

The copyright © of this thesis belongs to its rightful author and/or other copyright owner. Copies can be accessed and downloaded for non-commercial or learning purposes without any charge and permission. The thesis cannot be reproduced or quoted as a whole without the permission from its rightful owner. No alteration or changes in format is allowed without permission from its rightful owner.



**ACTUAL VOLUNTARY TURNOVER:
A STUDY OF JOB EMBEDDEDNESS, PAY
SATISFACTION, AND PERCEIVED ALTERNATIVE
JOB OPPORTUNITIES**



**DOCTOR OF PHILOSOPHY
UNIVERSITI UTARA MALAYSIA
July 2016**

**ACTUAL VOLUNTARY TURNOVER: A STUDY OF JOB
EMBEDDEDNESS, PAY SATISFACTION, AND PERCEIVED
ALTERNATIVE JOB OPPORTUNITIES**

By

TALATU RAIYA UMAR



**Thesis Submitted to
Othman Yeop Abdullah Graduate School of Business,
Universiti Utara Malaysia,
in fulfillment of the Requirement for the Degree of Doctor of Philosophy**

PERMISSION TO USE

In presenting this thesis in fulfilment of the requirements for a postgraduate degree from Universiti Utara Malaysia, I agree that the Universiti Library may make it freely available for inspection. I further agree that permission for the copying of this thesis in any manner, in whole or in part, for scholarly purpose may be granted by my supervisor(s) or, in their absence, by the Dean of Othman Yeop Abdullah Graduate School of Business. It is understood that any copying or publication or use of this thesis or parts thereof for financial gain shall not be allowed without my written permission. It is also understood that due recognition shall be given to me and to Universiti Utara Malaysia for any scholarly use which may be made of any material from my thesis.

Requests for permission to copy or to make other use of materials in this thesis, in whole or in part should be addressed to:



ABSTRACT

Past literature supports negative links between job embeddedness, pay satisfaction and actual voluntary turnover (AVT), several meta-analytical studies have reported weaker links between these constructs. As a result, calls for further research has been suggested, particularly on the interactive process through which both job embeddedness and pay satisfaction are likely to influence AVT. The purpose of this study was also to explore the likely interactive effect of perceived alternative job opportunities on job embeddedness, pay satisfaction, and AVT. A mixed-method approach was used. Data were obtained from a survey sample of 216 and nine interviewed former faculty members of public universities in Nigeria. Using partial least square structural equation modelling (PLS-SEM), the quantitative results indicated that both organizational embeddedness and pay satisfaction were significantly and negatively related to AVT. On the contrary, community embeddedness demonstrated no significant effect on AVT. The results further showed that perceived alternative job opportunities moderated the relationship between organizational embeddedness and AVT, as well as between pay satisfaction and AVT. But, no significant interaction effect was found between perceived alternative job opportunities and community embeddedness. In addition to the survey, semi-structured interviews were conducted. The results of the interviews showed that the dysfunctional nature of the university's work environment and longer commute time were important contributors to their reason for leaving. The qualitative result also revealed that the disparity in pay between public and private universities played a critical role in the participants' decisions to actually leave. Additionally, unsolicited job offer was also identified as another reason that influenced their turnover decisions. Overall, the qualitative results complemented the survey findings in that they were able to further clarify and elaborate the latter. Implications of the results for future research and practice, as well as the limitations of the study are highlighted.

Keywords: actual voluntary turnover, job embeddedness, pay satisfaction, perceived alternative job opportunities, mixed-method, Nigeria

ABSTRAK

Kesusasteraan masa lalu menyokong hubungan negatif antara sematan pekerjaan, kepuasan bayaran, dan lantik henti sebenar secara sukarela (AVT), beberapa kajian meta analisis telah melaporkan pautan lemah antara konstruk-konstruk ini. Akibatnya, terdapat panggilan mengenai kajian yang lebih lanjut bagi meneliti hubungan ini terutamanya yang melibatkan proses interaktif antara kedua-dua sematan kerja dan kepuasan bayaran yang mungkin mempengaruhi AVT. Tujuan kajian ini juga adalah untuk meneroka kesan interaktif kemungkinan peluang pekerjaan alternatif ditanggap terhadap sematan pekerjaan, kepuasan bayaran, dan AVT. Pendekatan kaedah bercampur telah digunakan. Data dikutip daripada tinjauan terhadap 216 orang bekas ahli fakulti dan sembilan fakulti yang telah ditemuramah di universiti awam di Nigeria. Dengan menggunakan *partial least square structural equation modelling* (PLS-SEM), keputusan kuantitatif menunjukkan bahawa kedua-dua sematan organisasi dan kepuasan bayaran berkait dengan AVT secara signifikan dan negatif. Sebaliknya, sematan masyarakat tidak menunjukkan kesan ketara terhadap AVT. Keputusan seterusnya menunjukkan bahawa peluang pekerjaan alternatif ditanggap menyederhana hubungan antara sematan organisasi dan AVT, serta antara kepuasan gaji dan AVT. Tetapi, tiada kesan interaksi yang signifikan antara peluang pekerjaan alternatif ditanggap dan sematan masyarakat. Di samping tinjauan soal selidik, temu bual separa berstruktur telah dijalankan. Hasil temu bual menunjukkan bahawa persekitaran kerja universiti yang lemah dan masa berulang-alik yang panjang merupakan penyumbang penting ahli fakulti akademik meninggalkan pekerjaan mereka. Dapatkan kualitatif juga menunjukkan bahawa perbezaan jurang gaji antara universiti awam dan swasta memainkan peranan penting bagi peserta membuat keputusan meninggalkan pekerjaan lama mereka. Selain itu, tawaran pekerjaan yang tidak diminta juga telah dikenal pasti sebagai satu lagi penyebab yang mempengaruhi keputusan mereka untuk berhenti. Secara keseluruhan, dapatkan kualitatif melengkapi hasil tinjauan kerana dapatkan temu bual dapat menerangkan dan menghuraikan keputusan kuantitatif. Implikasi penyelidikan terhadap kajian akan datang dan amalan serta batasan kajian ini turut diketengahkan.

Kata kunci: lantik henti sebenar secara sukarela, sematan pekerjaan, kepuasan bayaran, peluang pekerjaan alternatif ditanggap, kaedah bercampur, Nigeria

ACKNOWLEDGEMENT

Alhamdulillah

All praises and thanks are to Almighty Allah, the Most Merciful. First, I must express my sincere gratitude to Allah (SWT) who out of His infinite mercy gave me the wherewithal to successfully complete my doctoral work. May the peace and blessings of Allah (SWT) be upon our beloved prophet Muhammad (PBUH). The challenges of completing this thesis are indeed filled with precious and unforgettable memories.

In completing this thesis, various persons have inspired me of whom I would like to acknowledge and thank. I would like to sincerely express my thanks to my three supervisors, Assoc. Prof. Dr. Faridahwati Bt Mohd Shamsudin, Assoc. Prof. Dr. Chandrakantan a/l Subramaniam, and Dr. Johanim binti Johari, for their supervision, support and insightful feedback. All of them deserve the highest credit for their professionalism, patience, and giving me the freedom to seek knowledge. I value their wisdom and I am indeed very fortunate to have them as my supervisors. I also wish to express my appreciation to the panel of the Oral Examination Board for their comments and suggestions during my viva session.

I am deeply indebted to the management of Kaduna Polytechnic, Kaduna Nigeria for supporting my study leave. My PhD journey would be much more difficult without the constant support from my beloved family. On a more personal note, I would like to thank and dedicate this thesis to them, especially, my husband, parents, and my children for their love, and endless support.

TABLE OF CONTENT

Title	Page
TITLE PAGE	i
CERTIFICATION OF THESIS WORK	ii
PERMISSION TO USE	iv
ABSTRACT	v
ABSTRAK	vi
ACKNOWLEDGEMENT	vii
TABLE OF CONTENT	viii
LIST OF TABLES	xii
LIST OF FIGURES	xiii
LIST OF ABBREVIATIONS	xiv
CHAPTER ONE: INTRODUCTION	1
1.1 Background of Study	1
1.2 Statement of Research Problem	8
1.3 Research Questions	12
1.4 Research Objectives	13
1.5 Scope of Study	14
1.6 Significance of Study	14
1.7 Definition of Key Terms	16
1.7.1 Actual Voluntary Turnover	17
1.7.2 Job Embeddedness	18
1.7.3 Pay Satisfaction	18
1.7.4 Perceived Alternative Job Opportunities	19
1.7 Organization of Thesis	19
CHAPTER TWO: LITERATURE REVIEW	20
2.1 Introduction	20
2.2 Actual Voluntary Turnover	20
2.3 Actual Voluntary Turnover Predictors	24
2.4 Relationship between Actual Voluntary Turnover and Turnover Intention	36
2.5 Pay Satisfaction	43
2.6 Job Embeddedness	52
2.7 Moderator	61
2.8 Underpinning Theory	69
2.8.1 Social Exchange Theory	69
2.8.2 Job Embeddedness Theory	72
2.8.3 Social Interdependence Theory	74
2.9 Summary	76
CHAPTER THREE: RESEARCH FRAMEWORK DEVELOPMENT	77
3.1 Introduction	77
3.2 Research Framework	77
3.3 Hypotheses Development	78
3.3.1 Relationship between Job Embeddedness and AVT	78

3.3.2 Relationship between Pay Satisfaction and AVT	80
3.3.3 Moderating Role of Perceived Alternative Job Opportunities on the Relationship between Job Embeddedness and AVT	82
3.3.4 Moderating Role of Perceived Alternative Job Opportunities on the Relationship between Pay Satisfaction and AVT	83
3.4 Summary	85
CHAPTER FOUR: METHODOLOGY	86
4.1 Introduction	86
4.2 Research Paradigm	86
4.3 Research Design	90
4.3.1 Mixed-Method Approach	91
4.3.2 Mixed-Method Research Design	92
4.4 Target Population	93
4.5 Quantitative Phase of the Study	95
4.5.1 Sample Size	95
4.5.2 Sampling Technique	99
4.6 Measurement of Constructs and Instrumentation	103
4.6.1 Reflective and Formative measures	105
4.6.2 Differences between Reflective and Formative Indicators	105
4.6.3 Second-Order Factor	107
4.6.4 Job Embeddedness	108
4.6.5 Actual Voluntary Turnover	109
4.6.6 Perceived Alternative Job Opportunities	110
4.6.7 Pay Satisfaction	110
4.6.8 Demographic Data	111
4.7 Data Collection Procedure	114
4.7.1 Translation	114
4.7.2 Pre-testing of the Instrument	114
4.7.3 Pilot Test	115
4.7.4 Administration of Survey Questionnaire	118
4.8 Data Analysis	120
4.9 Qualitative Phase of the Study	121
4.9.1 Sample Size	122
4.9.2 Sampling Technique	122
4.9.3 Interview Protocol	123
4.9.4 Pilot Test	125
4.9.5 Semi-Structured Interview	125
4.9.6 Thematic Analysis	130
4.10 Summary	133
CHAPTER FIVE: FINDINGS	134
5.1 Introduction	134
5.2 Response Rate	134
5.3 Preliminary Data Analysis	137
5.3.1 Missing Value Analysis (MVA)	138

5.3.2 Outliers Detection and Treatment	139
5.4 Non-Response Bias	141
5.5 Common Method Variance	142
5.6 Demographic Characteristics of Participants	144
5.7 Descriptive Statistics of the Latent Constructs	146
5.8 Model Assessment	147
5.8.1 Measurement Model Assessment	148
5.8.1.1 Convergent Validity	150
5.8.1.2 Discriminant Validity	155
5.8.2 Structural Model Assessment	158
5.8.2.1 Level of R ²	158
5.8.2.2 Effect Size (f ²)	159
5.8.2.3 Predictive Relevance of the Research Model	161
5.8.2.4 Path Coefficients and Tests of Hypotheses	162
5.8.2.5 The Main Effects	162
5.8.2.6 The Moderation Effects	164
5.9 Strength of the Moderating Effects	170
5.10 Summary of Quantitative Findings	171
5.11 Qualitative results	171
5.11.1 Interview Questions	172
5.11.2 Demographic Profiles of Interview Participants	172
5.11.3 Coding Process	174
5.12 Emergent Themes	175
5.12.1 Theme 1: Consideration for changing Employer	175
5.12.2 Theme 2: Process of changing Employer	176
5.12.3 Theme 3: Challenges	177
5.12.4 Theme 4: Expectations	178
5.13 Summary	179
CHAPTER SIX: DISCUSSION and CONCLUSION	181
6.1 Introduction	181
6.2 Recapitulation of Major Findings	181
6.3 Discussions	182
6.4 Direct Effects of Organisational Embeddedness	183
6.5 Direct Effects of Community Embeddedness	188
6.6 Direct Effects of Pay Satisfaction	191
6.7 Moderating Effect of Perceived Alternative Job Opportunities	193
6.8 Implications of the Results	196
6.8.1 Theoretical Implications	196
6.8.3 Practical Implications	200
6.9 Study Limitation and Suggestions for Future Research	202
6.10 Conclusion	203
REFERENCES	204
APPENDICES:	287
Appendix A: Research Questionnaire	287

Appendix B: Interview Protocol	294
Appendix C: Informed Consent Form	296
Appendix D: Qualitative Methods and Data	297
Appendix E: Summary of selected studies on AVT	298



LIST OF TABLES

Table		Page
Table 4.1	Private Universities located in the Southern part of Nigeria	95
Table 4.2	Disproportionate Stratified Random Sampling of Participants	103
Table 4.3	Guidelines to Ascertain Formative and Reflective Models	107
Table 4.4	Instrument used	113
Table 4.5	Summary of Pilot Test Reliability Results	118
Table 4.6	Steps in Thematic Analysis	131
Table 5.1	Response Rate of the Survey Questionnaire	137
Table 5.2	Independent-Samples T-Test for Non-response bias	142
Table 5.3	Demographic Characteristics of Participants	145
Table 5.4	Descriptive Statistics for Latent Constructs	146
Table 5.5	Loadings, Reliability and Average Variance Extracted	151
Table 5.6	Outer weight and Variance Inflation Factor	153
Table 5.7	Nomological Validity	155
Table 5.8	Discriminant validity (Fornell-Larcker Criterion)	156
Table 5.9	Cross Loadings	157
Table 5.10	Variance Explained in the Endogenous Latent construct	159
Table 5.11	Effect Sizes of the Latent Constructs	160
Table 5.12	Construct Cross-Validated Redundancy	161
Table 5.13	Structural Results (Main Effects without Interactions)	164
Table 5.14	Structural Results (with Interactions)	167
Table 5.15	Strength of the Moderating Effects	170
Table 5.16	Summary of Hypotheses Testing	171
Table 5.17	Qualitative Participants Demographic	173

LIST OF FIGURES

Figure		Page
Figure 3.1	Theoretical Framework	78
Figure 4.2	Formative and Reflective Indicators	106
Figure 5.1	Measurement Model	150
Figure 5.2	Structural Model without Interaction	163
Figure 5.3	Structural Model with Interaction	167
Figure 5.4	Interaction effect of Organizational Embeddedness and PAJO	168
Figure 5.5	Interaction effect of Pay Satisfaction and PAJO	169



LIST OF ABBREVIATIONS

ASUU	Academic Staff Union of Universities
AVE	Average Variance Extracted
AVT	Actual Voluntary Turnover
CAQDAS	Computer Assisted Qualitative Data Analysis
CMV	Common Method Variance
EM	Expectation Maximization
EOI	Employment Opportunity Index
HEI	Higher Education Institution
JET	Job Embeddedness Theory
MI	Multiple Imputations
MVA	Missing Value Analysis
NUC	National Universities Commission
PAJO	Perceived Alternative Job Opportunities
PSQ	Pay Satisfaction Questionnaire
SET	Social Exchange Theory
SIT	Social Interdependence Theory
SPSS	Statistical Package for the Social Sciences
VIF	Variance Inflation Factor



CHAPTER ONE

INTRODUCTION

1.1 Background of Study

In the recent past, actual voluntary turnover (AVT) has become a subject of importance among practitioners and researchers of organizational behavior (Allen, Bryan, & Vardaman, 2010; Hancock, Allen, Bosco, McDaniel, & Pierce, 2013; Segrest, Andrews, & Hurley-Hanson, 2015). As a self-initiated behavior (Morrell, Loan-Clarke, & Wilkinson, 2001), actual voluntary turnover occurs when employees actually disengage or leave the organization on their own accord (Böckermann, Ilmakunnas, Jokisaari, & Vuori, 2013; Davidson & Wang, 2011). In this instance, the actual permanent voluntary disengagement may have been influenced by another job which offers more in terms of meeting employee expectation, changes in personal circumstances, or a change in career direction (Donnelly & Quirin, 2006). Put differently, actual voluntary turnover refers to an employee exercising his or her free choice to voluntarily leave a current employment in favor of opportunities identified with another (Beecroft, Dorey, & Wenten, 2008).

As a costly and pervasive phenomenon, actual voluntary turnover has continued to draw the attention of practitioners and researchers (Clausen, Hogh, Carneiro, & Borg, 2013; Huffman, Casper, & Payne, 2014; Hom, Mitchell, Lee, & Griffeth, 2012; Law, 2010; Maertz & Boyar, 2012; Maynard & Parfyonova, 2013; Steel & Lounsbury, 2009). Existing literature has shown that AVT not only results in

The contents of
the thesis is for
internal user
only

REFERENCES

- Abbasi, S. M., & Hollman, K. W. (2000). Turnover: The Real Bottom Line. *Public Personnel Management*, 29(3), 333–342. doi:10.1177/009102600002900303.
- Abdullah, M. A., Khalid, H. N., Shuib, M., Nor, N., Muhammad, Z., & Jauhar, J. (2007). Job Satisfaction Amongst Employees in Small and Medium Industries (SMIs) in the Manufacturing Sector: A Malaysian Case. *Journal of Asia-Pacific Business*, 8(4), 39–66. doi:10.1300/J098v08n04_04.
- Abdullah, A., Bilau, A. A., Enegbuma, W. I., Ajagbe, A. M., Ali, K. N., & Bustani, S. A. (2012). Small and Medium Sized Construction Firms Job Satisfaction and Performance Evaluation in Nigeria. *International Journal of Social Science and Humanity*, 2(1), 35–40. doi:10.7763/IJSSH.2012.V2.65.
- Abdulkarim, A. Y. (2010). Reforms in Higher Education in Nigeria and the Challenges of Globalisation. *Conference Proceedings of the 1st International Conference on Higher Education and Globalization*. University of Ilorin Retrieved://www.unilorin.edu.ng/.../Reforms_in_higher_education_in_nigeria.
- Abdulraheem, I., & Adebola, D. E. (2014). The Implications of Employees Turnover in Nigerian Higher Education. *Journal of Research and Development*, 1(10), 44–53.
- Abelson, M. A. (1987). Examination of avoidable and unavoidable turnover. *Journal of Applied Psychology*, 72(3), 382–386.
- Abiodun-Oyebanji, O. (2012). Human Resource Situation in Nigerian Universities: A Case Study of Ekiti State University, Ado-Ekiti. *Journal of Educational and Developmental Psychology*, 2(2), 152. doi:10.5539/jedp.v2n2p152.

- Acuna, E., & Rodriguez, C. (2004). The treatment of missing values and its effect in the classifier accuracy. In D. Banks, L. House, F.R. McMorris, P. Arabie, W. Gaul (Eds). In *Classification, Clustering and Data Mining Applications* (pp. 639–648.). Springer-Verlag, Berlin-Heidelberg.
- Addae, H. M., Parboteeah, K.P., & Velinor, N. (2008). Role stressors and organizational commitment: public sector employment in St Lucia. *International Journal of Manpower*, 29(6), 567–582. doi:10.1108/01437720810904220.
- Adebayo, S. O., & Ogunsina, S. O. (2011). Influence of Supervisory Behaviour and Job Stress on Job Satisfaction and Turnover Intention of Police Personnel in Ekiti State. *Journal of Management and Strategy*, 2(3), 13. doi:10.5430/jms.v2n3p13
- Adeogun, A. A., Subair S. T., & Osifila, G. I. (2009). Deregulation of University Education in Nigeria: Problems and Prospects. *Florida Journal of Educational Administration & Policy*, 3(1), 1–8. doi:10.2307/20159750.
- Adeoye, B. F., Anyikwa, B. E., & Avant, D. W. (2012). Teachers and Students Perceptions of Internationalisation of Higher Education in Nigeria. *European Scientific Journal*, 8(19).
- Adeyemi, A.Y., Ojo, S.O., Aina, O.O. & Olanipekun, E. A. (2006). Empirical evidence of women under- representation in the construction industry in Nigeria. *Women in Management Review*, 21(7), 567–577.

- Adomi, E.E., Ayo, B.T., & Nakpodia, E. D. (2007). A Better Response Rate for Questionnaires: Attitudes of Librarians in Nigerian University Libraries. *Library Philosophy and Practice*, 1–6.
- Agrusa, J., & Lema, J. (2007). An Examination of Mississippi Gulf Coast Casino Management Styles with Implications for Employee Turnover. *UNLV Gaming Research & Review Journal*. 11(1), 1-13.
- Ahuja, M., Chudoba, K., Kacmar, C. J., McKnight, D. H., & George, J. G. (2007). IT Road Warriors: Understanding the Role of Work-Family Conflict, Autonomy, and Work Overload on Turnover. *MIS Quarterly*, 31(1), 1–17.
- Aiken, L. S., & West, S. G. (1991). *Multiple regression: Testing and interpreting interactions*. Newbury Park, London, Sage.
- Ajadi, T. O. (2010). Private Universities in Nigeria – the Challenges Ahead. *American Journal of Scientific Research*, 7, 15–24.
- Ajayi, I. A., & Hastrup., E. T. (2011). *Management of University Education in Nigeria: Problems and Possible Solutions*. Ado-Ekiti: Green-Line Publishers.
- Akindele, M. (2013). Evolution of private universities in Nigeria: Matters arising and the way forward. *Educational Research and Reviews*, 8(2), 41–50. doi:10.5897/ERR11.119.
- Akpotu, N. E., & Akpochafo, W. P. (2009). An analysis of factors influencing the upsurge of private universities in Nigeria. *Journal of Social Sciences*, 18(1), 21–27.

- Allen, D. (2006). Do Organizational Socialization Tactics Influence Newcomer Embeddedness and Turnover? *Journal of Management*, 32(2), 237–256. doi:10.1177/0149206305280103.
- Allen, D. G., & Shanock, L. R. (2013). Perceived organizational support and embeddedness as key mechanisms connecting socialization tactics to commitment and turnover among new employees. *Journal of Organizational Behavior*, 34(3), 350–369. doi:10.1002/job.1805.
- Allen, D. G., Weeks, K. P., & Moffitt, K. R. (2005). Turnover intentions and voluntary turnover: the moderating roles of self-monitoring, locus of control, proactive personality, and risk aversion. *The Journal of Applied Psychology*, 90(5), 980–90. doi:10.1037/0021-9010.90.5.980.
- Allen, D. G., Bryant, P. C., & Vardaman, J. M. (2010). Retaining talent: replacing misconceptions with evidence-based strategies. *The Academy of Management Perspectives*, 24(2), 48–64.
- Allen, N. J., & Meyer, J. P. (1990). The measurement and antecedents of affective, continuance and normative commitment to the organization. *Journal of Occupational Psychology*, 63(1), 1–18. doi:10.1111/j.2044-8325.1990.tb00506.x.
- Alvesson, M., & Deetz, S. (2000). *Doing Critical Management Research*. London: Sage.
- Amankwaa, A. & Anku-Tsede, O. (2015). The moderating effect of alternative job opportunity on the transactional leadership-turnover intention nexus: Evidence

- from the Ghanaian banking industry. *Journal of Business Management*, 9(14), 553–561. doi:10.5897/AJBM2014.7612.
- Ambrose, S., Huston, T., & Norman, M. (2005). A Qualitative Method for Assessing Faculty Satisfaction. *Research in Higher Education*, 46(7), 803–830. doi:10.1007/s11162-004-6226-6.
- Amey, M. J. (1995). The Institutional Marketplace and Faculty Attrition. *Thought & Action*, 12(1), 23–35.
- Anderson, C., Johnson, E., & Reckers, P. (1994). “Perceived effects of gender, family structure, and physical appearance on career progression in public accounting.” *Accounting, Organizations and Society*, 19(6), 483–491. doi:10.1016/0361-3682(94)90019-1
- Ang, S., & Slaughter, S. (2004). Turnover of information technology professionals. *ACM SIGMIS Database*, 35(3), 11–27. doi. 10.1145/1017114.1017118.
- Angle, H. L., & Perry, J. L. (1981). An empirical assessment of organizational commitment and organizational effectiveness. *Administrative Science Quarterly*, 26(1), 1–14. doi:10.2307/2392596.
- Anthony, N. (2010). Retaining your high performers: Moderators of the performance–job satisfaction–voluntary turnover relationship. *Journal of Applied Psychology*, 95(3), 440–453. doi:10.1037/a0018869.
- Arnold, H. J., & Feldman, D. C. (1982). A multivariate analysis of the determinants of job turnover. *Journal of Applied Psychology*, 67(3), 350–360. doi:10.1037/0021-9010.67.3.350.

- Asika, N. (1991). *Research Methodology in the Behavioral Sciences*. Longman Nigerian Plc.
- Babbie, E. (2010). *The practice of social research*. Belmont CA, London.
- Ballinger, G. A., Lehman, D. W., & Schoorman, F. D. (2010). Leader-member exchange and turnover before and after succession events. *Organizational Behavior and Human Decision Processes*, 113(1), 25–36.
- Baron, R. M., & Kenny, D. A. (1986). The moderator-mediator variable distinction in social psychological research: conceptual, strategic, and statistical considerations. *Journal of Personality and Social Psychology*, 51(6), 1173–82.
- Barrick, M. R., & Mount, M. K. (1996). Effects of impression management and self-deception on the predictive validity of personality constructs. *The Journal of Applied Psychology*, 81(3), 261–72.
- Bartlett, J.E., Kotrlik, J.W., & Higgins, C. (2001). Organizational Research: Determining Appropriate Sample Size in Survey Research. *Information Technology, Learning, and Performance Journal*, 19(1), 43–50.
- Bartol, K. M. & Locke, E. A. (2000). Incentives and motivation. In S. Rynes & B. Gerhart (Eds), Compensation in organizations: *Current research and practice*. San Francisco, CA: Jossey-Bass.
- Beardsworth, A., & Teresa, K. (1992). The vegetarian option: varieties, conversions, motives, and careers. *The Sociological Review*, 40, 253–293.
- Becher, T. (1989). *Academic Tribes and Territories: Intellectual Enquiry and the Cultures of Disciplines*. Milton Keynes: SRHE and Open University Press.

- Becher, T. (1993). The Significance of Disciplinary Differences. *Studies in Higher Education*, 19(2), 151–61.
- Becker, J.-M., Klein, K., & Wetzels, M. (2012). Hierarchical Latent Variable Models in PLS-SEM: Guidelines for Using Reflective-Formative Type Models. *Long Range Planning*, 45(5-6), 359–394. doi:10.1016/j.lrp.2012.10.001.
- Beecroft, P. C., Dorey, F., & Wenten, M. (2008). Turnover intention in new graduate nurses: a multivariate analysis. *Journal of Advanced Nursing*, 62(1), 41–52. doi:10.1111/j.1365-2648.2007.04570.x.
- Ben-Barka, L. (2007). *Brain Drain in Africa: Facts and Figures*. Accra, Ghana: United Nations Economic Commission for Africa.
- Bennett, D. A. (2001). How can I deal with missing data in my study? *Australian and New Zealand Journal of Public Health*, 25(5), 464–469. <http://doi.org/10.1111/j.1467-842X.2001.tb00294.x>.
- Bergiel, E. B., Nguyen, V. Q., Clenney, B. F., & Stephen, T.G. (2009). Human resource practices, job embeddedness and intention to quit. *Management Research News*, 32(3), 205–219. doi:10.1108/01409170910943084.
- Berntson, E., & Marklund, S. (2007). The relationship between perceived employability and subsequent health. *Work & Stress*, 21(3), 279–292. doi:10.1080/02678370701659215.
- Bertelli, A. M. (2007). Determinants of Bureaucratic Turnover Intention: Evidence from the Department of the Treasury. *Journal of Public Administration Research and Theory*, 17(2), 235–258. doi:10.1093/jopart/mul003.

- Besich, J. (2005). Job embeddedness versus traditional models of voluntary turnover: A test of voluntary turnover prediction. *Doctoral Dissertation*. University of North Texas.
- Bhattacherjee, A. (2012). Social Science Research: Principles, Methods, and Practice *Textbooks Collection*. http://scholarcommons.usf.edu/oa_textbooks/3.
- Bhave, D. P., Kramer, A., & Glomb, T. M. (2013). Pay satisfaction and work-family conflict across time. *Journal of Organizational Behavior*, 34(5), 698–713. doi:10.1002/job.1832.
- Billings, R., & Wemmems, V. (1983). The role of alternatives in process models of withdrawal. In *Proceedings of the 26th Annual Conference of the Midwestern, Academy of Management*, (pp. 18–29.).
- Blau, P. M. (1964). *Exchange and power in social life*. Transaction Publishers. New York.
- Bloom, D., Canning, D., & Chan, K. (2006). *Higher Education and Economic Development in Africa*. Washington D.C.: World Bank.
- Bluedorn, A. C. (1982). A Unified Model of Turnover from Organizations. *Human Relations*, 35(2), 135–153. doi:10.1177/001872678203500204.
- Bockerman, P., Ilmakunnas, P., Jokisaari, M., & Vuori, J. (2013). Who stays unwillingly in a job? A study based on a representative random sample of employees. *Economic and Industrial Democracy*, 34(1), 25–43. doi:10.1177/0143831X11429374.

- Boe, E. E., Bobbitt, S. A., Cook, L. H., Whitener, S. D., & Weber, A. L. (1997). Why Didst Thou Go? Predictors of Retention, Transfer, and Attrition of Special and General Education Teachers from a National Perspective. *The Journal of Special Education*, 30(4), 390–411. doi:10.1177/002246699703000403.
- Bogdan, R. C & Biklen, S. K., & Stanley,M. (2008). *Qualitative Research for Education: An introduction to Theories and Methods* (4th ed). New York: Pearson Education group.
- Bogdan, R.C. & Biklen, S. K., & Stanley, M. (2010). *Qualitative research for education: An introductory to theory and methods* (5th ed). Needham Heights, MA: Allyn and Bacon.
- Borman, G. D., & Dowling, N. M. (2008). Teacher Attrition and Retention: A Meta-Analytic and Narrative Review of the Research. *Review of Educational Research*, 78(3), 367–409. doi: 10.3102/0034654308321455.
- Boswell, W. R., Boudreau, J. W., & Dunford, B. B. (2004). The outcomes and correlates of job search objectives: searching to leave or searching for leverage? *The Journal of Applied Psychology*, 89(6), 1083–91. doi:10.1037/0021-9010.89.6.1083.
- Brand, V. (2009). Empirical Business Ethics Research and Paradigm Analysis. *Journal of Business Ethics*, 86(4), 429–449. doi:10.1007/s10551-008-9856-3.
- Brass, D. J., Galaskiewicz, J., Greve, H. R., & Tsai, W. (2004). Taking Stock of Networks and Organizations: A Multilevel Perspective. *Academy of Management Journal*, 47(6), 795–817. doi:10.2307/20159624.

- Braun, V., & Clarke, V. (2008). Using thematic analysis in psychology. *Qualitative Research in Psychology*, 3(2), 77–101. doi:10.1191/1478088706qp063oa.
- Brewer, C. S., Kovner, C. T., Greene, W., Tukov-Shuser, M., & Djukic, M. (2012). Predictors of actual turnover in a national sample of newly licensed registered nurses employed in hospitals. *Journal of Advanced Nursing*, 68(3), 521–38. doi:10.1111/j.1365-2648.2011.05753.x.
- Brewer, D. J. (1996). Career paths and quit decisions: evidence from teaching. *Journal of Labor Economics*, 14(2), 313–339.
- Brown, G. R., & Richerson, P. J. (2014). Applying evolutionary theory to human behaviour: past differences and current debates. *Journal of Bioeconomics*, 16(2), 105–128.
- Bruin, J. (2006). New Test: Command to compute new test. Retrieved from: <http://www.ats.ucla.edu/stat/stata/ado/analysis/>.
- Bryman, A. (2012). *Social research methods* (4th ed). Oxford university press.
- Bryman, A., & Bell, E. (2011). *Business research methods* (3rd ed). Oxford: Oxford Univ. Press.
- Bryne, B. M. (2010). *Structural Equation Modeling with AMOS: Basics concepts, application and programming* (2nd ed). New York, London, Taylor and Francis Group.
- Burke, D. L. (1987). The Academic Marketplace in the 1980s: Appointment and Termination of Assistant Professors. *Review of Higher Education*, 10(3), 199–214.

- Byrd, T. G., Cochran, K.J., Silverman, I.J., & Blount, W. (2000). Behind Bars: An Assessment of the Effects of Job Satisfaction, Job-Related Stress, and Anxiety on Jail Employees' Inclinations to Quit. *Journal of Crime and Justice*, 23(2), 69–93. doi:10.1080/0735648x.
- Cable, D. M., & Parsons, C. K. (2001). Socialization Tactics and Person-Organization Fit. *Personnel Psychology*, 54(1), 1–23. doi:10.1111/j.1744-6570.2001.tb00083.x
- Campbell, J. (1982). Editorial: Some remarks from the outgoing editor. *Journal of Applied Psychology*, 67(6), 691–700. doi:10.1037/h0077946.
- Campbell, M. J., Machin, D., & Walters, S. J. (2010). *Medical statistics: a textbook for the health* (4th ed). John Wiley and Sons, Chichester, England.
- Campion, M. A. (1991). Meaning and measurement of turnover: Comparison of alternative measures and recommendations for research. *Journal of Applied Psychology*, 76(2), 199–212. doi:10.1037/0021-9010.76.2.199.
- Carraher, S. M. (1991). On The Dimensionality Of The Pay Satisfaction Questionnaire. *Psychological Reports*, 69(3), 887–890. doi:10.2466/pr0.1991.69.3.887
- Carraher, S. M. (2011). Turnover prediction using attitudes towards benefits, pay, and pay satisfaction among employees and entrepreneurs in Estonia, Latvia, and Lithuania. *Baltic Journal of Management*, 6(1), 25–52. doi:10.1108/17465261111100905.

- Carraher, S.M., & Buckley, M. R. (1996). Cognitive complexity and the perceived dimensionality of pay satisfaction. *Journal of Applied Psychology*, 81(1), 102–109. doi:10.1037/0021-9010.81.1.102.
- Cavana, R. Y., Delahaye, B. L., & Sekaran, U. (2001). *Applied Business research: Qualitative and Quantitative Methods*. John Wiley & Sons Australia.
- Chang, S. J., Van Witteloostuijn, A., & Eden, L. (2010). From the editors: Common method variance in international business research. *Journal of International Business Studies*, 41(2), 178–184.
- Chapman, D., & Webster, J. (2006). Toward an integrated model of applicant reactions and job choice. *The International Journal of Human Resource Management*, 17(6), 1032–1057. doi:10.1080/09585190600696572.
- Chen, H. C., Chu, C. I., Wang, Y.H., & Lin, L.C. (2008). Turnover factors revisited: a longitudinal study of Taiwan-based staff nurses. *International Journal of Nursing Studies*, 45(2), 277–85. doi:10.1016/j.ijnurstud.2007.08.010.
- Chen, M. F., Lin, C. P., & Lien, G. Y. (2011). Modelling job stress as a mediating role in predicting turnover intention. *The Service Industries Journal*, 31(8), 1327–1345. doi:10.1080/02642060903437543.
- Chiboiwa, M., Samuel, M. O., & Chipunza, C. (2010). An examination of employee retention strategy in a private organization in Zimbabwe. *Journal of Business Management*, 4(10), 2103–2109.
- Chiemeke, S., Longe, O. B., Longe, F. A., & Shaib, I. O. (2009). Research Outputs from Nigerian Tertiary Institutions: An Empirical Appraisal. *Library*

Philosophy and Practice (e-Journal). Retrieved from
[http://digitalcommons.unl.edu/libphilprac/233.](http://digitalcommons.unl.edu/libphilprac/233)

Chin, W. W. (1998). The partial least squares approach to structural equation modeling. In G. A. Marcoulides (Ed.). In *Modern Methods for Business Research* (p. (pp. 295–336). Mahwah, New Jersey: Laurence Erlbaum Associates.

Chin, W. W. (2010). How to Write Up and Report PLS Analyses. In H. Vinzi, V.E., Chin, W.W, Henseler, J., Wang (Ed.), *Handbook of Partial Least Squares Concepts, Methods and Applications*. Springer Handbooks of Computational Statistics.

Chin, W. W., & Gopal, A. (1995). Adoption intention in GSS: Relative importance of beliefs. *The Data Base for Advances in Information Systems*, 26(2 & 3), 42–64.

Chin, W. W., Marcolin, B. L., & Newsted, P. R. (2003). A partial least squares latent variable modeling approach for measuring interaction effects: Results from a Monte Carlo Simulation study and an electronic-mail emotion/adoption study. *Information Systems Research*, 14, 189–217. doi:10.1287/isre.14.2.189.16018.

Chin, W. W., & Newsted, P. R. (1999). Structural equation modeling analysis with small samples using partial least squares. In R. Hoyle (Ed.). In *Statistical strategies for small sample research* (pp. 307–341).). Thousand Oaks, CA: Sage Publications.

- Cho, Y. J., & Lewis, G. B. (2012). Turnover Intention and Turnover Behavior: Implications for Retaining Federal Employees. *Review of Public Personnel Administration*, 32(1), 4–23. doi:10.1177/0734371X11408701.
- Clausen, T., Hogh, A., Carneiro, I. G. & Borg, V. (2013). Does psychological well-being mediate the association between experiences of acts of offensive behaviour and turnover among care workers? A longitudinal analysis. *Journal of Advanced Nursing*, 69, 1301–1313.
- Clausen, T., Tufte, P., & Borg, V. (2012). Why are they leaving? Causes of actual turnover in the Danish eldercare services. *Journal of Nursing Management*, 22(5), 583–592. doi:10.1111/j.1365-2834.2012.01484
- Cochran, W. G. (1977). *Sampling techniques* (3rd ed.). New York: John Wiley & Sons.
- Cohen, A. (1999). Turnover among professionals: A longitudinal study of American lawyers. *Human Resource Management*, 38(1), 61–76. doi:10.1002/1099-050x.
- Cohen, A. (2000). The Relationship between Commitment Forms and Work Outcomes: A Comparison of Three Models. *Human Relations*, 53(3), 387–417. doi:10.1177/0018726700533005.
- Cohen, G., Blake, R.S., & Goodman, D. (2015). Does Turnover Intention Matter? Evaluating the Usefulness of Turnover Intention Rate as a Predictor of Actual Turnover Rate. *Review of Public Personnel Administration*, 1–24. doi:10.1177/0734371X15581850.
- Cohen, J. (1977). *Statistical power analysis for the behavioral sciences*. Routledge.

- Cohoon, J. M., Shwalb, R., & Chen, L.Y. (2003). Faculty turnover in CS departments. *ACM SIGCSE Bulletin*, 35(1), 108. doi:10.1145/792548.611944.
- Coleman, P. T., Kugler, K. G., Hutchinson, A., & Foster, C. (2013). Navigating conflict and power at work: the effects of power and interdependence asymmetries on conflict in organizations. *Journal of Applied Social Psychology*, 43(10), 1963–1983. doi:10.1111/jasp.12150.
- Coleman, P., & Tjosvold, D. (2000 July). Positive power: Mapping the dimensions of constructive power relations. *Paper presented at the Social Interdependence Theory Conference*. Silver Wind Farm, Minnesota.
- Conway, J.M. & Lance, C. E. (2010). What reviewers should expect from authors regarding common method bias in organizational research. *Journal of Business and Psychology*, 25(3), 325–334. <http://doi.org/10.1007/s10869-010-9181-6>.
- Coomber, B., & Barriball, K. L. (2007). Impact of job satisfaction components on intent to leave and turnover for hospital-based nurses: a review of the research literature. *International Journal of Nursing Studies*, 44(2), 297–314. doi:10.1016/j.ijnurstu.2006.02.004.
- Cooper, D. R., & Schindler, P. S. (2006). *Marketing Research*. New York: McGraw-Hill.
- Cooper, D. R., & . Schindler, P. S. (2007). *Business Research Methods*. New Delhi, Tata McGraw-Hill Publishing Company Limited.

- Cotton, J. L. &, & Tuttle, J. M. (1986). Employee Turnover: A Meta-Analysis and Review with Implications for Research. *Academy of Management Review*, 11(1), 55–70. doi:10.5465/AMR.1986.4282625.
- Coyle-Shapiro, J. & Kessler, I. (2002). Reciprocity through the lens of the Psychological contract: Employee and Employer perspective. *European Journal of Work and Organizational Psychology*, 11(1), 1–18.
- Coyle-Shapiro, J. A.-M., & Conway, N. (2004). The employment relationship through the lens of social exchange theory. In J. Coyle-Shapiro, L. M. Shore, M. S. Taylor, & L. E. Tetrick (Eds.). In *The employment relationship: Examining psychological and contextual perspectives* (pp. 5–28). Oxford, UK: Oxford University Press.
- Coyne, I. T. (1997). Sampling in qualitative research. Purposeful and theoretical sampling; merging or clear boundaries? *Journal of Advanced Nursing*, 26(3), 623–30.
- Craighead, C., Ketchen, D., Dunn, K., & Hult, G. (2011). Addressing Common Method Variance: Guidelines for Survey Research on Information Technology, Operations, and Supply Chain Management. *IEEE Transactions on Engineering Management*, 58(3), 578–588.
- Crampton, S. M., & Wagner, J. A. (1994). Percept-percept inflation in microorganizational research: An investigation of prevalence and effect. *Journal of Applied Psychology*, 79(1), 67–76.

- Creswell, J. W. (2003). *Research design: Qualitative, quantitative, and mixed method approaches* (2nd ed). Thousand Oaks, Calif.: Sage Publications.
- Creswell, J. W. (2009). *Research design : qualitative, quantitative, and mixed methods approaches*. Los Angeles: Sage.
- Creswell, J. W. (2013). *Research Design: Qualitative, Quantitative, and Mixed Methods Approaches*. SAGE Publications.
- Creswell, J. W., & Plano Clark, V. L. (2007). *Designing and conducting mixed methods research*. Thousand Oaks, CA: Sage.
- Creswell, J. W., & Plano Clark, V. L. (2011). *Designing and conducting mixed methods research* (2nd ed.) Thousand Oaks, CA: Sage.
- Cropanzano, R. & Mitchell, M. S. (2005). Social Exchange Theory: An Interdisciplinary Review. *Journal of Management*, 31(6), 874–900. doi:10.1177/0149206305279602.
- Cropsey, K. L., Masho, S. W., Shiang, R., Sikka, V., Kornstein, S. G., & Hampton, C. L. (2008). Why do faculty leave? Reasons for attrition of women and minority faculty from a medical school: four-year results. *Journal of Women's Health* (2002), 17(7), 1111–8. doi:10.1089/jwh.2007.0582.
- Crossley, C. D., Bennett, R. J., Jex, S. M., & Burnfield, J. L. (2007). Development of a global measure of job embeddedness and integration into a traditional model of voluntary turnover. *Journal of Applied Psychology*, 92(4), 1031–1042. doi:10.1037/0021-9010.92.4.1031.

- Cunningham, G. B., Fink, J. S., & Sagas, M. (2005). Extensions and further examination of the job embeddedness construct. *Journal of Sport Management*, 19(3), 319–335.
- Currall, S.C., Towler, A.J., Judge, T.A., &, Kohn, L. (2005). Pay Satisfaction and Organizational Outcomes. *Personnel Psychology*, 58(3), 613–640. doi:10.1111/j.1744-6570.2005.00245.x
- Curriyan, D. (1999). The Causal Order of Job Satisfaction and Organizational Commitment in Models Of Employee Turnover. *Human Resource Management Review*, 9(4), 495 – 524.
- Dalton, D. R., Johnson, J. L., & Daily, C. M. (1999). On the Use of “Intent to...” Variables in Organizational Research: An Empirical and Cautionary Assessment. *Human Relations*, 52(10), 1337–1350. doi:10.1023/A:1016916632024.
- Dam, K. (2005). Employee attitudes toward job changes: An application and extension of Rusbult and Farrell’s investment model. *Journal of Occupational and Organizational Psychology*, 78(2), 253–272. doi:10.1348/096317904X23745.
- Davidson, M. C. G., & Wang, Y. (2011). Sustainable Labor Practices? Hotel Human Resource Managers Views on Turnover and Skill Shortages. *Journal of Human Resources in Hospitality & Tourism*, 10(3), 235–253. doi:10.1080/15332845.2011.555731.

- Dawley, D. D., & Andrews, M. C. (2012). Staying Put, Off-the-Job Embeddedness as a Moderator of the Relationship Between On-the-job Embeddedness and Turnover. *Journal of Leadership & Organizational Studies*, 19(4), 477–485. doi:10.1177/1548051812448822.
- Deconinck, J. B., Stilwell, C. D., & Brock, B. A. (1996). A Construct Validity Analysis of Scores on Measures of Distributive Justice and Pay Satisfaction. *Educational and Psychological Measurement*, 56(6), 1026–1036. doi:10.1177/0013164496056006008.
- Deding, M., Filges, T. & van Ommeren, J. (2009). Spatial mobility and commuting: The case of two-earner households. *Journal of Regional Science*, 49(1), 113–147.
- Deshpande, S. P. (1996). Ethical climate and the link between success and ethical behavior: An empirical investigation of a non-profit organization. *Journal of Business Ethics*, 15(3), 315–320. doi:10.1007/BF00382957.
- Deutsch, M. (1973). *The resolution of conflict: Constructive and destructive processes*. New Haven: Yale University Press.
- Deutsch, M. (1985). *Distributive Justice: A Social-Psychological Perspective*. New Haven: Yale University Press.
- Diamantopoulos, A., &, & Siguaw, J. A. (2006). Formative Versus Reflective Indicators in Organizational Measure Development: A Comparison and Empirical Illustration. *British Journal of Management*, 17(4), 263–282. doi:10.1111/j.1467-8551.2006.00500.x

- Dickinson, N. S., & Perry, R. E. (2002). Factors influencing the retention of specially educated public child welfare workers. *Journal of Health & Social Policy*, 15(3-4), 89–103. doi:10.1300/J045v15n03_07.
- Dilley, P. (2000). Conducting Successful Interviews: Tips for Intrepid Research. *Theory Into Practice*, 39(3), 131–137. doi:10.1207/s15430421tip3903_3
- Dillman, D. A. (2000). *Mail and internet surveys: the tailored design method*. New York: Wiley.
- Dinger, M., Thatcher, J. B., Stepina, L. P., & Craig, K. (2012). The Grass is Always Greener on The Other Side: A Test of Present and Alternative Job Utility on IT Professionals' Turnover. *IEEE Transactions on Engineering Management*, 59(3), 364–378. doi:10.1109/TEM.2011.2153204.
- Dollar, C., & Broach, D. (2006). Comparison of Intent-to-Leave with Actual Turnover:Retrieved;www.faa.gov/library/reports/medical/oamtechreports/index.cfm.
- Donnelly, D. P., & Quirin, J. J. (2006). An extension of Lee and Mitchell's unfolding model of voluntary turnover. *Journal of Organizational Behavior*, 27(1), 59–77. doi:10.1002/job.367.
- Doug, A., Burton, N., Cuthill, I., Festing, M., Hutton, J., & Playle, L. (2006). Why do a pilot study? www.je-lks.org/index.php/full-volumes/english-version-2005?task.
- Duarte, P. A. O., & Raposo, M. L. B. (2010). A PLS model to study brand preference: An application to the mobile phone market. In V. Esposito Vinzi,

- W.W. Chin, J. Henseler & H. Wang (Eds). In *Handbook of Partial Least Squares: Concepts, methods and applications* (pp. 449–485.). Berlin: Springer.
- Edwards, J. R., & Bagozzi, R. P. (2000). On the nature and direction of relationships between constructs and measures. *Psychological Methods*, 5(2), 155–74.
- Ehrenberg, R., Kasper, H., & Rees, D. (1991). Faculty turnover at American colleges and universities: Analyses of AAUP data. *Economics of Education Review*, 10(2), 99–110. doi:10.1016/0272-7757(91)90002-7.
- Ehrenberg, R.G. & Smith, R. S. (1982). *Modern labor economics*. Glenview, Illinois: Scott, Foresman, and Company.
- Eisenberger, R., Armeli, S., Rexwinkel, B., Lynch, P. D., & Rhoades, L. (2001). Reciprocation of perceived organizational support. *Journal of Applied Psychology*, 86(1), 42–51.
- Eisenberger, R., Lynch, P., Aselage, J., & Rohdieck, S. (2004). Who takes the most revenge? Individual differences in negative reciprocity norm endorsement. *Personality & Social Psychology Bulletin*, 30, 789–799.
- Ekeopara, C. A. (2012). The Impact of the Extended Family System on Socio-Ethical Order in Igboland. *American Journal of Social Issues & Humanities*, 2(4), 262–267.
- Ekundayo, H. T., & Ajayi, I. A. (2009). Towards effective management of university education in Nigeria. *International NGO Journal*, 4(8), 342–347.
- Elliot, A & Woodward, W. (2007). *Statistical Analysis Quick Reference Guidebook: With SPSS Examples*. California. SAGE.

- Emerson, R. M. (1976). Social Exchange Theory. *Annual Review of Sociology*, 2(1), 335–362. doi:10.1146/02.080176.002003.
- Eric, P.J., & Amitabh, S. R. (2006). Lessons learned from methodological triangulation in management research. *Management Research News*, 29(6), 345-357. doi:10.1108/01409170610683833.
- Fadipe, S. O. (2000). Education for national development: The millennium option. In J. O. Fadipe and E. E. Oluchukwu (Eds.). In *Educational planning and administration in Nigeria in the 21st century*. Ondo: NIEPA.
- Falk, R., & Miller, N. B. (1992). *A Primer for Soft-modeling*. University of Akron, Akron, Oh.
- Fapohunda, T. M. (2013). Pay Disparity and Pay Satisfaction in Public and Private Universities in Nigeria. *European Scientific Journal*, 8(28).
- Farley, A., McLafferty, E. (2003). An introduction to qualitative research concepts for nurses. *Professional Nurse*, 9(3), 159–163.
- Fatunde, T. (2013, March 16). Investigation of public universities uncovers problems, <http://www.universityworldnews.com/article.php?story=20130315113614800>.
- Faul, F., Erdfelder, E., Buchner, A., & Lang, A.-G. (2009). Statistical power analyses using G*Power 3.1: Tests for correlation and regression analyses. *Behavior Research Methods*, 41(4), 1149–1160.

- Faul, F., Erdfelder, E., Lang, A.-G., & Buchner, A. (2007). G*Power 3: A flexible statistical power analysis program for the social, behavioral, and biomedical sciences. *Behavior Research Methods*, 39(2), 175–191.
- Feilzer, M. (2009). Doing Mixed Methods Research Pragmatically: Implications for the Rediscovery of Pragmatism as a Research Paradigm. *Journal of Mixed Methods Research*, 4(1), 6–16. doi:10.1177/1558689809349691.
- Feldman, D. & Ng, T. (2007). Careers: mobility, embeddedness, and success. *Journal of Management*, 33(3), 350–377.
- Felps, W., Mitchell, T., Hekman, D., Lee, T., Holtom, B., & Harman, W. (2009). Turnover Contagion: How Coworkers' Job Embeddedness and Job Search Behaviors Influence Quitting. *Academy of Management Journal*, 52, 545–561.
- Ferratt, T. W., Agarwal, R., Brown, C. V., & Moore, J. E. (2005). IT Human Resource Management Configurations and IT Turnover: Theoretical Synthesis and Empirical Analysis. *Information Systems Research*.
- Fielding, K. S., Terry, D. J., Masser, B. M., & Hogg, M. A. (2008). Integrating social identity theory and the theory of planned behaviour to explain decisions to engage in sustainable agricultural practices. *The British Journal of Social Psychology the British Psychological Society*, 47, 23–48. doi:10.1348/014466607X206792.
- Firth, R. (1967). *Themes in Economic Anthropology*. London: Tavistock.
- Fishbein, M., & Ajzen, I. (1975). Belief, attitude, intention, and behavior. Reading, MA: Addison-Wesley.

- Folger, R., & Konovsky, M. A. (1989). Effects of Procedural and Distributive Justice on Reactions to Pay Raise Decisions. *Academy of Management Journal*, 32(1), 115–130. doi:10.2307/256422
- Folkman, S., Lazarus, R. S., Gruen, R. J., & DeLongis, A. (1986). Appraisal, coping, health status, and psychological symptoms. *Journal of Personality and Social Psychology*, 50(3), 571–9.
- Fornell, C., & Bookstein, F. L. (1982). Two structural Equation Models: LISREL and PLS Applied to Consumer Exit-Voice Theory. *Journal of Marketing Research*, 19(4), 440–452. doi:10.2307/3151718.
- Fornell, C., & Larcker, D. F. (1981). Evaluating Structural Equation Models with Unobservable Variables and Measurement Error. *Journal of Marketing Research*, 18(1), 39–50. doi:10.2307/3151312.
- Forrier, A., Sels, L., & Stynen, D. (2009). Career mobility at the intersection between agent and structure: A conceptual model. *Journal of Occupational and Organizational Psychology*, 82(4), 739–759. doi:10.1348/096317909X470933.
- Forza, C. (2002). Survey research in operations management: a process-based perspective. *International Journal of Operations & Production Management*, 22(2), 152–194. doi:10.1108/01443570210414310.
- Gallagher, K. P., Kaiser, K., Frampton, K., & Gallagher, V. C. (2007). Best practice for grooming critical mid-level roles. In *Proceedings of the 2007 ACM SIGMIS CPR conference on Computer personnel research: The global information technology workforce*. 15-19. St. Louis, Missouri, USA: ACM.

- Gallagher, K. P., Kaiser, K. M., Simon, J. C., Beath, C. M., & Goles, T. (2010). The requisite variety of skills for IT professionals. *Communications of the ACM*, 53(6), 144–148. doi:10.1145/1743546.1743584.
- García, M. F., Posthuma, R. A., Mumford, T., & Quiñones, M. (2009). The Five Dimensions of Pay Satisfaction in a Maquiladora Plant in Mexico. *Applied Psychology*, 58(4), 509–519. doi:10.1111/j.1464-0597.2008.00370.x
- Gardner, D. G., Dyne, L., & Pierce, J. L. (2004). The effects of pay level on organization-based self-esteem and performance: A field study. *Journal of Occupational and Organizational Psychology*, 77(3), 307–322. doi:10.1348/0963179041752646.
- Garland, R. (1991). The MidPoint on a Rating Scale: Is it Desirable? *Marketing Bulletin*, 2(1), 66–70.
- Gay, L. R., Mills, G. E., & Airasian, P. (2006). *Education Research: Competencies for Analysis and Application* (8th ed). Upper Saddle River, NJ: Merrill.
- Gay, L.R., & Diehl, P. L. (1992). *Research methods for business and management*. Maxwell Macmillan International.
- Gbenu, J. P., Kolawole, O. O., & Lawal, R. O. (2014). Comparative Study Of Managements' Retention Policies And Academic Staff Turnover In Federal And State Higher Institutions In Lagos State, Nigeria, (2001 – 2010). *Mediterranean Journal of Social Sciences*. 5(20), 1813-1820.

- Gefen, D., Rigdon, E. E., & Straub, D. (2011). Editor's comments: An update and extension to SEM guidelines for administrative and social science research. *MIS Quarterly*, 35(2), iii–xiv.
- Geisser, S. (1974). A predictive approach to the random effect model. *Biometrika*, 61, 101–107. doi:10.1093/biomet/61.1.101.
- Gerhart, B. (1990). Voluntary turnover and alternative job opportunities. *Journal of Applied Psychology*, 75(5), 467–476. doi:10.1037/0021-9010.75.5.467
- Giddings, L. S. (2006). Mixed-methods research: Positivism dressed in drag? *Journal of Research in Nursing*, 11(3), 195–203. doi:10.1177/1744987106064635.
- Gieter, S. D., Cooman, R. D., Hofmans, J., Pepermans, R., & Jegers, M. (2014). Pay-Level Satisfaction and Psychological Reward Satisfaction as Mediators of the Organizational Justice-Turnover Intention Relationship. *International Studies of Management & Organization*, 42(1), 50-67. doi:10.2753/IMO0020-8825420103.
- Glandon, S., & Glandon, T. (2011). Faculty Turnover And Salary Compression In Business Schools: Comparing Teaching And Research Missions. *Journal of Applied Business Research (JABR)*. 17(2), 33-40.
- Gliner, J. A., & Morgan, G. A. (2000). *Research methods in applied settings: An integrated approach to design and analysis*. Mahwah, NJ: Lawrence Erlbaum.

- Goldhaber, D., Gross, B., & Player, D. (2011). Teacher career paths, teacher quality, and persistence in the classroom: Are public schools keeping their best? *Journal of Policy Analysis and Management*, 30(1), 57–87. doi: 10.1002/pam.20549.
- Gonzalez, R. P., Faller, K. C., Ortega, R. M., & Tropman, J. (2009). Exit Interviews with Departed Child Welfare Workers: Preliminary Findings. *Journal of Public Child Welfare*, 3(1), 40–63. doi:10.1080/155487308026908.
- Gotz, O., Liehr-Gobbers, K., & Krafft, M. (2010). Evaluation of Structural Equation Models using the Partial Least Squares (PLS) Approach. In V. E. Vinzi, W. W. Chin, J. Henseler & H. Wang (Eds.). In *Handbook of Partial Least Squares: Concepts, Methods and Applications* (p. (pp. 691–711)). Heidelberg: Springer.33.
- Gouldner, A.(1960). The Norm of Reciprocity: A Preliminary Statement. *American Sociological Review*, 25(2), 161-178.
- Graham, J. W. (2012). *Missing data: Analysis and Design*,. Springer Berlin Heidelberg.
- Graham, M. E., & Welbourne, T. M. (1999). Gainsharing and women's and men's relative pay satisfaction. *Journal of Organizational Behavior*, 20(7), 1027–1042. doi:10.1002/(SICI)1099-1379.
- Greene, J. C. (2008). Is Mixed Methods Social Inquiry a Distinctive Methodology? *Journal of Mixed Methods Research*, 2(1), 7–22. doi:10.1177/1558689807309969.

- Griffeth, R. W., & Hom, P. W. (1988). A comparison of different conceptualizations of perceived alternatives in turnover research. *Journal of Organizational Behavior*, 9(2), 103–111. doi:10.1002/job.4030090202.
- Griffeth, R.W., & Hom, P. W. (2001). *Retaining valued employees*. Thousand Oaks, CA: Sage.
- Griffeth, R.W., Steel R.P., Allen D.G., & Bryan, N. (2005). The development of a multidimensional measure of job market cognitions: the Employment Opportunity Index (EOI). *Journal of Applied Psychology*, 90(2), 335–349.
- Griffeth, R.W., Hom, P.W., & Gaertner, S. (2000). A Meta-Analysis of Antecedents and Correlates of Employee Turnover: Update, Moderator Tests, and Research Implications for the Next Millennium. *Journal of Management*, 26(3), 463–488.
- Griffith, J. (2004). Relation of principal transformational leadership to school staff job satisfaction, staff turnover, and school performance. *Journal of Educational Administration*, 42(3), 333–356. doi:10.1108/09578230410534667.
- Guest, G., Bruce, A., & Johnson, L. (2006). How Many Interviews Are Enough?: An Experiment with Data Saturation and Variability. *Field Methods*, 18(1), 59–82. doi:10.1177/1525822X05279903.
- Guest, G.S., MacQueen, K.M., & Namey, E. E. (2012). *Applied Thematic Analysis*. SAGE Publications, Inc.
- Gusfield, J. R. (1975). *The community: A critical response*. New York: Harper Colophon.

Haenlein, M., & Kaplan, A. M. (2004). A Beginner's Guide to Partial Least Squares Analysis. *Understanding Statistics*, 3(4), 283–297.

doi:10.1207/s15328031us0304_4.

Haenlein, M., & Kaplan, A. M. (2009). "Unprofitable customers and their management," *Business Horizons*, 52(1), 89–97.

Hair, J. F., Black, W. C., Babin, B. J., Anderson, R. E., & Tatham, R. L. (2006). *Multivariate data analysis* (6th ed.). Upper Saddle River, NJ: Pearson Prentice Hall.

Hair, J. F., Money, A. H., Samouel, P. & Page, M. (2007). *Research methods for business*. Chichester: John Wiley & Sons Ltd.

Hair, J. F., Ringle, C. M., & Sarstedt, M. (2013). Partial Least Squares Structural Equation Modeling: Rigorous Applications, Better Results and Higher Acceptance. *Long Range Planning*, 46(1-2), 1–12.

doi:10.1016/j.lrp.2013.01.001.

Hair, J. F., Sarstedt, M., Ringle, C. M., & Mena, J. A. (2011). An assessment of the use of partial least squares structural equation modeling in marketing research. *Journal of the Academy of Marketing Science*, 40(3), 414–433.

doi:10.1007/s11747-011-0261-6.

Hair, J., Sarstedt, M., Ringle, C., & Mena, J. (2012). An assessment of the use of partial least squares structural equation modeling in marketing research. *Journal of the Academy of Marketing Science*, 40(3), 414–433. doi:10.1007/s11747-011-0261-6.

- Hair, J. F., Hult, G. T. M., Ringle, C. M., & Sarstedt, M. (2014). *A Primer on Partial Least Squares Structural Equation Modeling (PLS-SEM)*. Thousand Oaks: Sage.
- Hair, J. F., Jr., Black, W. C., Babin, B. J., Andersen, R. E., & Tatham, R. L. (2010). *Multivariate data analysis* (7th ed). Upper Saddle River, NJ: Pearson Prentice Hall.
- Halbesleben, J. R.B., & Wheeler, A. R. (2008). The relative roles of engagement and embeddedness in predicting job performance and intention to leave. *Work & Stress*, 22(3), 242–256. doi:10.1080/02678370802383962.
- Hall, B. W., Pearson, L. C., & Carroll, D. (1992). Teachers' Long-Range Teaching Plans: A Discriminant Analysis. *The Journal of Educational Research*, 85(4), 221–225. doi:10.1080/00220671.1992.9941119.
- Hancock, J. I., Allen, D. G., Bosco, F. A., McDaniel, K. R., & Pierce, C. A. (2013). Meta-Analytic Review of Employee Turnover as a Predictor of Firm Performance. *Journal of Management*, 39(3), 573–603. doi:10.1177/0149206311424943.
- Hanushek, E.A., Kain, J.F., & Rivkin, S. G. (2004). Why public schools lose teachers". *Journal of Human Resources*, 39(2), 326–354.
- Hardigan, P., & Carvajal, M. (2007). Job Satisfaction among Practicing Pharmacists: A Rasch Analysis. *The Internet Journal of Allied Health Sciences and Practice*, 5(4), 1–9.

Hardigan, P. C., & Sangasubana, N. (2010). A latent class analysis of job satisfaction and turnover among practicing pharmacists. *Research in Social & Administrative Pharmacy : RSAP*, 6(1), 32–8.
doi:10.1016/j.sapharm.2009.03.002.

Harman, H. H. (1960). *Modern factor analysis*. Chicago, IL.: University of Chicago Press.

Harrison, D. A., McLaughlin, M. E., & Coalter, T. M. (1996). Context, cognition, and common method variance: Psychometric and verbal protocol evidence. *Organizational Behavior and Human Decision Processes*, 68(3), 246–261.
doi:10.1006/obhd.1996.0103.

Harrison, L. (2013). *Political Research: An Introduction*. Routledge.

Hathaway, K. C. (2013). Job openings continue to grow in 2012, hires and separations less so. *Monthly Labor Review, May 2013 (JOLTS Annual Story)*, Bureau of Labor Statistics, U.S. Department of Labor, pp: 17–35.

Hau, K.T., & Marsh, H. W. (2004). The use of item parcels in structural equation modelling: Non-normal data and small sample sizes. *British Journal of Mathematical and Statistical Psychology*, 57(2), 327–351. doi:10.1111/j.2044-8317.2004.tb00142.x

Hayes, L. J., O'Brien-Pallas, L., Duffield, C., Shamian, J., Buchan, J., Hughes, F., & Stone, P. W. (2006). Nurse turnover: a literature review. *International Journal of Nursing Studies*, 43(2), 237–63. doi:10.1016/j.ijnurstu.2005.02.007.

- Heavey, A. L., Holwerda, J. A., & Hausknecht, J. P. (2013). Causes and consequences of collective turnover: a meta-analytic review. *The Journal of Applied Psychology*, 98(3), 412–53. doi:10.1037/a0032380.
- Heneman, R.L., Greenberg, D.B., & Strasser, S. (1988). The Relationship between Pay for Performance Perceptions and Pay Satisfaction. *Personnel Psychology*, 41, 741–761. doi:10.1111/j.1744-6570.1988.tb00651.x
- Heneman, H. G., & Judge, T. A. (2000). *Compensation attitudes*. In S. L. Rynes & B. Gerhart (Eds.), Compensation in organizations. San Francisco: Jossey-Bass.
- Heneman, H. G., & Schwab, D. P. (1985). Pay Satisfaction: Its Multidimensional Nature and Measurement. *JInternational Journal of Psychology*, 20(2), 129–141. doi:10.1080/00207598508247727.
- Heneman, H.G III, & Schwab, D. P. (1979). *Work and rewards theory*. In Yoder D, Heneman HG Jr. (Eds.). In ASPA handbook c>f personnel and industrial relations (pp. 1- 22). Washington, DC: Bureau of National Affairs.
- Heneman, R. L., & LeBlanc, P. V. (2003). Work Valuation Addresses Shortcomings of Both Job Evaluation and Market Pricing. *Compensation & Benefits Review*, 35(1), 7–11.
- Henseler, J., &, & Chin, W. W. (2010). A Comparison of Approaches for the Analysis of Interaction Effects Between Latent Variables Using Partial Least Squares Path Modeling. *Structural Equation Modeling*, 17(1), 82–109. doi:10.1080/10705510903439.

- Henseler, J., & Fassott, G. (2010a). Testing Moderating Effects in PLS Path Models: An Illustration of Available Procedures. In V. Esposito Vinzi, W. W. Chin, J. Henseler & H. Wang (Eds.). In *Handbook of Partial Least Squares: Concepts, Methods and Applications* (pp. 713–735). Berlin et al.: Springer.
- Henseler, J., Ringle, C.M., &, & Sinkovics, R. (2009). *Advances in International Marketing*. (J. Henseler, C. M. Ringle, & R. R. Sinkovics, Eds.) (Vol. 20). Bingley: Emerald Group Publishing.
- Henseler, J., Wilson, B., Götz, O., & Hautvast, C. (2007). Investigating the moderating role of fit on sports sponsoring and brand equity: a structural model. International. *Journal of Sports Marketing and Sponsorship*, 8(4), 321–329.
- Holmes, P., Baghurst, T., & Chapman, T. (2013). Employee Job Embeddedness: Why People Stay. *Int.J.Buss.Mgt.Eco.Res.*, 4(5), 802–813.
- Holtom, B. C., & Inderrieden, E. J. (2006). Integrating the Unfolding Model and Job Embeddedness Model to Better Understand Voluntary Turnover. *Journal of Managerial Issues*, 18(4), 435.
- Holtom, B. C., & ONeill, B. S. (2004). Job Embeddedness. *JONA: The Journal of Nursing Administration*, 34(5), 216–227. doi:10.1097/00005110-200405000-00005.
- Holtom, B.C., Mitchell, T.R., Lee, T.W., & Eberly, M. B. (2008). Turnover and Retention Research: A Glance at the Past, a Closer Review of the Present, and a Venture into the Future. *Academy of Management Annals*, 2, 231–274. doi:10.1.1.320.9193.

Hom, P. W., Caranikas-Walker, F., Prussia, G. E., & Griffeth, R. W. (1992). A meta-analytical structural equations analysis of a model of employee turnover.

Journal of Applied Psychology, 77(6), 890–909. doi:10.1037/0021-9010.77.6.890.

Hom, P. W., & Griffeth, R. (1995). *Employee Turnover*. South Western Publishing, USA.

Hom, P. W., & Griffeth, R. W. (2013). What Is Wrong With Turnover Research? Commentary on Russell's Critique. *Industrial and Organizational Psychology*, 6(2), 174–181. doi:10.1111/iops.12029.

Hom, P. W., Griffeth, R. W., & Sellaro, C. L. (1984). The validity of Mobley's (1977) model of employee turnover. *Organizational Behavior and Human Performance*, 34(2), 141–74.

Hom, P. W., Mitchell, T. R., Lee, T. W., & Griffeth, R. W. (2012). Reviewing employee turnover: focusing on proximal withdrawal states and an expanded criterion. *Psychological Bulletin*, 138(5), 831–58. doi:10.1037/a0027983.

Hom, P. W., Tsui, A. S., Wu, J. B., Lee, T. W., Zhang, A. Y., Fu, P. P., & Li, L. (2009). Explaining employment relationships with social exchange and job embeddedness. *The Journal of Applied Psychology*, 94(2), 277–97. doi:10.1037/a0013453.

Homans, G. C. (1958). Social behavior as exchange. *American Journal of Sociology*, 63, 597–606. doi:10.1086/222355.

- Howard, L. W. (1999). Validity Evidence for Measures of Procedural/Distributive Justice and Pay/Benefit Satisfaction. *Journal of Business and Psychology*, 14(1), 135–147. doi:10.1023/A:1022966719583.
- Hu, Y., Smeyers-Verbeke, J., & Massart, D. L. (1990). Outlier detection in calibration. *Chemometrics and Intelligent Laboratory Systems*, 9(1), 31–44.
- Huang, C.C., You, C.S., & Tsai, M.T. (2012). A multidimensional analysis of ethical climate, job satisfaction, organizational commitment, and organizational citizenship behaviors. *Nursing Ethics*, 19(4), 513–29. doi:10.1177/0969733011433923.
- Huffman, A. H., Casper, W. J., & Payne, S. C. (2014). How does spouse career support relate to employee turnover? Work interfering with family and job satisfaction as mediators. *Journal of Organizational Behavior*, 35(2), 194–212. doi:10.1002/job.1862.
- Hughes, G. D. (1969). Some Confounding Effects of Forced-Choice Scales. *American Marketing Association*, 6(2), 223–226. doi:10.2307/3149677.
- Hui, C. H. (1992). Values and attitudes. In *In R.I. Westwood (ed.), Organizational behaviour* (pp. 63–90). Southeast Asian perspectives. Hong Kong: Longman.
- Hulin, C. L., Roznowski, M., & Hachiya, D. (1985). Alternative opportunities and withdrawal decisions: Empirical and theoretical discrepancies and an integration. *Psychological Bulletin*, 97(2), 233–250. doi:10.1037/0033-2959.97.2.233.

- Hulland, J. S. (1999). Use of partial least squares (PLS) in strategic management research: A review of four recent studies. *Strategic Management Journal*, 20(4), 195–204.
- Hwang, I., & Kuo, J. (2006). Effects of Job Satisfaction and Perceived Alternative Employment Opportunities on Turnover Intention: An Examination of Public Sector Organization. *The Journal of American Academy of Business Cambridge*, 8(2), 254–259.
- Ibeh, K. I. N., Brock, J. U., & Zhou, J. (2004). The drop and collect survey among industrial populations: Theory and empirical evidence. *Industrial Marketing Management*. 33(2), 155-165. doi: 10.1016/j.indmarman.2002.08.001.
- Ibrahim, R. M., Ghani, M. A., & Embat, A. M. M. S. (2013). Organizational Citizenship Behavior among Local Government Employees in East Coast Malaysia: A Pilot Study. *International Business Research*, 6(6), 83–94.
- Idogho, P. O. (2011). Higher education in Nigeria and the challenges ahead. *European Journal of Educational Studies*, 3(2), 269–276.
- Ingersoll, R. M. (2001). Teacher Turnover and Teacher Shortages: An Organizational Analysis. *American Educational Research Journal*, 38(3), 499–534. doi:10.3102/00028312038003499.
- Iruonagbe, C. T., Imhonopi, D., & Egharevba, M. E. (2015). Higher Education in Nigeria and the Emergence of Private Universities. *International Journal of Education and Research*, 3(2), 49–64.

- Ismail, A., Mohamed, H.A., Hamid, N.S., Sulaiman, A.Z., Girardi, A., & Abdullah, M. M. (2011). Relationship between Performance Based Pay, Interactional Justice and Job Satisfaction: A Mediating Model Approach. *International Journal of Business and Management*, 6(11). doi:10.5539/ijbm.v6n11p170.
- Jackofsky, E. F. (1984). Turnover and Job Performance: An Integrated Process Model. *Academy of Management Review*, 9(1), 74–83.
- Jackofsky, E. F., & Peters, L. H. (1983). Job turnover versus company turnover: Reassessment of the March and Simon participation hypothesis. *Journal of Applied Psychology*, 68(3), 490–495. doi:10.1037/0021-9010.68.3.490.
- Jarvis, C.B., Mackenzie, S.B., & Podsakoff, P. M. (2003). A Critical Review of Construct Indicators and Measurement Model Misspecification in Marketing and Consumer Research. *Journal of Consumer Research*, 30(2), 199–218.
- Jawahar, I.M., & Stone, T. H. (2011). Fairness perceptions and satisfaction with components of pay satisfaction. *Journal of Managerial Psychology*, 26(4), 297–312. doi:10.1108/02683941111124836.
- Jiang, K., Liu, D., McKay, P. F., Lee, T. W., & Mitchell, T. R. (2012). When and how is job embeddedness predictive of turnover? a meta-analytic investigation. *The Journal of Applied Psychology*, 97(5), 1077–96. doi:10.1037/a0028610.
- Jibril, M., & Obaje, A. (2008). Nigeria, In Higher Education in Africa: the International Dimension, ed. Damtew Teferra and Jane Knight, 339-366. Boston: Center for International Higher Education and Association of African Universities.

- Jo, V. H. (2008). Voluntary turnover and women administrators in higher education. *Higher Education*, 56(5), 565–582. doi:10.1007/s10734-008-9111-y.
- Johnson R. (1992). *Applied Multivariate Statistical Analysis*. Prentice Hall.
- Johnson, S. M., & Birkeland, S. E. (2003). Puring a “Sense of Success”: New Teachers Explain Their Career Decisusions. *American Educational Research Journal*, 40(3), 581–617. doi:10.3102/00028312040003581.
- Johnson, D. W., & Johnson, R. T. (2003b). Field testing integrative negotiations. *Peace and Conflict: Journal of Peace Psychology*, 9(1), 39–68.
- Johnson, D.W., & Johnson, R. (2008). Social Interdependence Theory and Cooperative Learning: The Teacher’s Role. In *The Teacher’s Role in Implementing Cooperative Learning in the Classroom Computer-Supported Collaborative Learning* (pp 9–37). Springer US.
- Johnson, S.M, Kraft, M.A., & Papay, J. P. (2012). How context matters in high-need schools: The effects of teachers’ working conditions on their professional satisfaction and their students’ achievement. *Teachers College Record*, 114(10), 1–39.doi: 10.1.1.394.4333.
- Johnson, R. B., & Onwuegbuzie, A. J. (2004). Mixed Methods Research: A Research Paradigm Whose Time Has Come. *Educational Researcher*, 33(7), 14–26. doi:10.3102/0013189X033007014.
- Johnson, R. B., Onwuegbuzie, A. J., & Turner, L. A. (2007). Toward a Definition of Mixed Methods Research. *Journal of Mixed Methods Research*, 1(2), 112–133. doi:10.1177/1558689806298224.

- Johnson, R. B., & Turner, L. A. (2003). *Data collection strategies in mixed methods research*. In A.Tashakkori, and C. Teddlie (Eds.), *Handbook of mixed methods in social and behavioral research*. Thousand Oaks, CA: Sage.
- Johnsrud, L. K., &, & Heck, R. H. (1994). A University's Faculty: Identifying Who Will Leave and Who Will Stay. *Journal for Higher Education Management*, 10(1), 71–84.
- Joseph, D., Ng, K.Y., Koh, C., & Ang, S. (2007). Turnover of information technology professionals: a narrative review, meta-analytic structural equation modeling, and model development. *MIS Quarterly*, 31(3), 547–577.
- Josephson, M., Lindberg, P., Voss, M., Alfredsson, L., & Vingård, E. (2008). The same factors influence job turnover and long spells of sick leave--a 3-year follow-up of Swedish nurses. *European Journal of Public Health*, 18(4), 380–5.
- Judge, T. A. (1993). Validity Of The Dimensions Of The Pay Satisfaction Questionnaire: Evidence Of Differential Prediction. *Personnel Psychology*, 46(2), 331–335. doi:10.1111/j.1744-6570.1993.tb00877.x
- Judge, T. A., & Welbourne, T. M. (1994). A confirmatory investigation of the dimensionality of the Pay Satisfaction Questionnaire. *Journal of Applied Psychology*, 79(3), 461–466.
- Juhdi, N., Pa'wan, F., & Hansaram, R. M. K. (2013). HR practices and turnover intention: the mediating roles of organizational commitment and organizational engagement in a selected region in Malaysia. *The International Journal of*

Human Resource Management, 24(15), 3002–3019.

doi:10.1080/09585192.2013.763841

Jung, C. S. (2010). Predicting Organizational Actual Turnover Rates in the U.S. Federal Government. *International Public Management Journal*, 13(3), 297–317. doi:10.1080/10967494.2010.504124.

Kabene, S. M., Orchard, C., Howard, J. M., Soriano, M. A., & Leduc, R. (2006). The importance of human resources management in health care: a global context. *Human Resources for Health*, 4(20), 1–17.

Kacmar, K. M., Andrews, M. C., Van Rooy, D. L., Steilberg, R. C., & Cerrone, S. (2006). Sure everyone can be replaced... but at what cost? Turnover as a predictor of unit-level performance. *Academy of Management Journal*, 49(1), 133–144.

Kalafatis, S. P., Pollard, M., East, R., & Tsogas, M. H. (1999). Green marketing and Ajzen's theory of planned behaviour: a cross-market examination. *Journal of Consumer Marketing*, 16(5), 441–460. doi:10.1108/07363769910289550.

Kammeyer-Mueller, J. D., Wanberg, C. R., Glomb, T. M., & Ahlburg, D. (2005). The role of temporal shifts in turnover processes: it's about time. *The Journal of Applied Psychology*, 90(4), 644–58. doi:10.1037/0021-9010.90.4.644.

Karanja, E., Zaveri, J., & Ahmed, A. (2013). How do MIS researchers handle missing data in survey-based research: A content analysis approach. *International Journal of Information Management*, 33(5), 734–751. doi:10.1016/j.ijinfomgt.2013.05.002.

- Karatepe, O. M. (2013). High performance work practices, work social support and their effects on job embeddedness and turnover intentions. *International Journal of Contemporary Hospitality Management*, 25(6), 903–921. doi:10.1108/IJCHM-06-2012-0097.
- Karatepe, O.M. & Magaji, A. B. (2008). Work-family conflict and facilitation in the hotel industry: A study in Nigeria. *Cornell Hospitality Quarterly*, 49(4), 395–412.
- Kasi, P. (2009). *Research: What, Why and How? A Treatise from Researchers to Researchers* (1st ed)). Bloomington: AuthorHouse.
- Kaur, S.G., & Mahajan, R. (2014). Employees' organizational commitment and its impact on their actual turnover behaviour through behavioural intentions. *Asia Pacific Journal of Marketing and Logistics*, 26(4), 621–646. doi:10.1108/APJML-01-2014-0015.
- Kay, F., Alarie, S., & Adjei, J. (2013). Leaving Private Practice: How Organizational Context, Time Pressures, and Structural Inflexibilities Shape Departures from Private Law Practice. *20 Indiana Journal of Global Legal Studies*. 20(2), 1223-1260. doi: 10.2979/indjglolegstu.20.2.1223.
- Keaveny, T.J., & Inderrieden, E.J. (2000). Gender differences in pay satisfaction and pay expectations. *Journal of Managerial Issues*. 12(3), 363-379.
- Kelley, H.H., & Thibaut, J. W. (1978). *Interpersonal relations:A theory of interdependence*. New York: Wiley-Interscience.

- Khatri, N., Fern, C. T., & Budhwar, P. (2001). Explaining employee turnover in an Asian context. *Human Resource Management Journal*, 11(1), 54–74.
- Kiazad, K., Holtom, B. C., Hom, P.W., & Newman, A. (2015). Job embeddedness: A multifoci theoretical extension. *Journal of Applied Psychology*, 100(3), 641–659. doi:10.1037/a0038919.
- Kimberlin, C. L., & Winterstein, A. G. (2008). Validity and reliability of measurement instruments used in research. *American Journal of Health-System Pharmacy*. 65(23), 2276–doi:10.2146/ajhp070364.
- Kinicki, A. J., McKee-Ryan, F. M., Schriesheim, C. A., & Carson, K. P. (2002). Assessing the construct validity of the job descriptive index: a review and meta-analysis. *The Journal of Applied Psychology*, 87(1), 14–32.
- Kinnunen, U., Mäkkikangas, Mauno, S., Siponen., & Nätti, J. (2011). Perceived employability: Investigating outcomes among involuntary and voluntary temporary employees compared to permanent employees. *Career Development International*, 16(2), 140 – 160. doi:10.1108/1362043111115604.
- Kirby, S.N., David, W., Grissmer, D.W., & Hudson, L. (1991). Sources of Teacher Supply: Some New Evidence from Indiana. *Educational Evaluation and Policy Analysis*, 13(3), 256–268.
- Kirkland, J. (2009). Research management. *Perspectives: Policy and Practice in Higher Education*, 13(2), 33–36. doi:10.1080/13603100902805383.

- Kirschenbaum, A., & Weisberg, J. (1990). Predicting Worker Turnover: An Assessment of Intent on Actual Separations. *Human Relations*, 43(9), 829–847. doi:10.1177/001872679004300902.
- Komori, N. (2008). Towards the feminization of accounting practice: lessons from the experiences of Japanese women in the accounting profession. *Accounting, Auditing & Accountability Journal*, 21(4), 507-538.
- Kraimer, M.L., Shaffer, M.A., Harrison, D.A., & Ren, H. (2012). No Place like Home? An Identity Strain Perspective on Repatriate Turnover. *Academy of Management Journal*, 55(2), 399–420. doi:10.5465/amj.2009.0644.
- Krauss, S. (2005). Research Paradigms and Meaning Making: A Primer. *The Qualitative Report*. 10(4), 758-770.
- Kraut, A. I. (1975). Predicting turnover of employees from measured job attitudes. *Organizational Behavior and Human Performance*, 13(2), 233–243. doi:10.1016/0030-5073(75)90047-1.
- Krejcie, R. V., & Morgan, D. W. (1970). Determining Sample Size for Research Activities. *Educational and Psychological Measurement*, 30(3), 607–610. doi:10.1177/001316447003000308.
- Krippendorff, K. (2004). *Content Analysis, An Introduction to Its Methodology* (2nd ed.). Thousand Oaks, CA: Sage Publications.
- Kuhn, T. S. (1970). *The structure of scientific revolutions* (2nd ed.). Chicago: University of Chicago Press.

Kumar, B. (2012). *Theory of planned behaviour approach to understand the purchasing behaviour for environmentally sustainable products.* (W.P. No. 2012-12-08).

Kvale, S. (1996). *Interviews: An Introduction to Qualitative Research Interviewing.* Sage Publications, Thousand Oaks California.

Lacity, M. C., Iyer, V. V., & Rudramuniyaiah, P. S. (2008). Turnover intentions of Indian IS professionals. *Information Systems Frontiers*, 10(2), 225–241. doi:10.1007/s10796-007-9062-3.

Lam, S. S. K. (1998). A Validity Study of the Pay Satisfaction Questionnaire in Hong Kong. *The Journal of Social Psychology*, 138(1), 124–125. doi:10.1080/00224549809600360.

Lambert, D .M. & Harrington, T. C. (1990). Measuring nonresponse bias in customer service mail surveys. *Journal of Business Logistics*, 11(2), 5–25. Armstrong, J.S &, Overton, T. S. (1977). Estimating nonresponse bias in mail surveys. *Journal of Marketing Research*, 14(3), 396–402.

Lapaš, T., & Orehovački, T. (2015). *No Evaluation of User Experience in Interaction with Computer Games. In Design, User Experience, and Usability: Interactive Experience Design.* Springer International Publishing.

Latan, H., & Ramli, N. A. (2013). The Results of Partial Least Squares-Structural Equation Modelling Analyses (PLS-SEM), Available at SSRN 2364191, 35

- Law, P. (2010). Examination of the actual turnover decisions of female auditors in public accounting. *Managerial Auditing Journal*, 25(5), 484–502. doi:10.1108/02686901011041858.
- Lawler, E. (1971). *Pay and Organizational Effectiveness*. New York: McGraw-Hill.
- Lee, T. W., & Mitchell, T. R. (1994). An Alternative Approach: The Unfolding Model of Voluntary Employee Turnover. *Academy of Management Review*, 19(1), 51–89. doi:10.5465/AMR.1994.9410122008.
- Lee, T. W., Mitchell, T. R., Sablinski, C. J., Burton, J. P., & Holtom, B. C. (2004). The Effects of Job Embeddedness on Organizational Citizenship, Job Performance, Volitional Absences, and Voluntary Turnover. *Academy of Management Journal*, 47(5), 711–722. doi:10.2307/20159613.
- Lee, T. W., & Mowday, R. T. (1987). Voluntarily Leaving an Organization: An Empirical Investigation of Steers and Mowday's Model of Turnover. *Academy of Management Journal*, 30(4), 721–743. doi:10.2307/256157.
- Lee, T.H., Gerhart, B., Weller, I., & Charlie, O.T. (2008). Understanding Voluntary Turnover: Path-Specific Job Satisfaction Effects and The Importance of Unsolicited Job Offers. *Academy of Management Journal*, 51(4), 651–671. doi:10.5465/AMR.2008.3366512.
- Lee, Y.S., & Whitford, B. (2008). Exit, Voice, Loyalty, and Pay: Evidence from the Public Workforce. *Journal of Public Administration Research and Theory*, 18(4), 647–671.

- Leedy, P. D., & Ormrod, J. E. (2005). *Practical research: Planning and design* (8th ed.). Upper Saddle River, NJ: Prentice Hall.
- Lenth, R. V. (2001). Some practical guidelines for effective sample size determination. *The American Statistician*, 55(3), 187–193.
- Lewis, P., Thornhill, A., & Saunders, M. (2003). *Employee Relations: Understanding the Employment Relationship*. Pearson Education, Essex.
- Liden, R.C., &, & Parsons, C. K. (1986). A Field Study of Job Applicant Interview Perceptions, Alternative Opportunities, and Demographic Characteristics. *Personnel Psychology*, 39(1), 109–122. doi:10.1111/j.1744-6570.1986.tb00577.x
- Lincoln, Y. S., & Guba, E. G. (1985). *Naturalistic inquiry*. Beverly Hills, CA: Sage.
- Lindell, M. K., & Whitney, D. J. (2001). Accounting for common method variance in cross-sectional research designs. *Journal of Applied Psychology*, 86(1), 114–121. doi:10.1037//0021-9010.
- Lindner, J. R., & Wingenbach, G. J. (2002). Communicating the handling of non-response error. *Journal of Extension*, 40(6).
- Lippard, C., Peevely, G., & Green, H. (2000). Teacher Mobility Among Tennessee School Districts: A Survey of Causes. *Tennessee Advisory Commission on Intergovernmental Relations Staff Research Brief Number*. Retrieved from http://www.state.tn.us/tacir/PDF_FILES/Education/Migration.pdf
- Liu, D., Mitchell, T. R., Lee, T. W., Holtom, B. C., & Hinkin, T. R. (2012). When Employees Are Out of Step with Coworkers: How Job Satisfaction Trajectory

- and Dispersion Influence Individual- and Unit-Level Voluntary Turnover. *Academy of Management Journal*, 55(6), 1360–1380. doi:10.5465/amj.2010.0920.
- Liu, D., Zhang, S., Wang, L., & Lee, T. W. (2011). The effects of autonomy and empowerment on employee turnover: test of a multilevel model in teams. *The Journal of Applied Psychology*, 96(6), 1305–16. doi:10.1037/a0024518.
- Liu, H., Shah, S., & Jiang, W. (2004). On-line outlier detection and data cleaning. *Computers & Chemical Engineering*, 28(9), 1635–1647.
- Locke, E. A., Feren, D. B., McCaleb, V. M., Shaw, K., & N., & Denny, A. T. (1980). *The relative effectiveness of four methods of motivating employee performance*. In K. D. Duncan, M. M. Gruenberg, & D. Wallis (Eds.), Changes in working life. New York: Wiley.
- Lofland, J & Lofland, L. H. (1995). *Analyzing Social Settings* (3rd ed). Belmont, CA; Wadsworth.
- Lohmöller, J. B. (1989). *Latent variable path modeling with partial least squares*. Heidelberg: Physica-Verlag.
- Long, C.S., & Thean, L. Y. (2011). Relationship Between Leadership Style, Job Satisfaction and Employees' Turnover Intention: A Literature Review. *Research Journal of Business Management*, 5(3), 91–100. doi:10.3923/rjbm.2011.91.100.
- Lu, L., & Lee, Y. (2008). The effect of supervision style and decision-making on role stress and satisfaction of senior foreign managers in international joint

- ventures in China. *International Journal of Commerce and Management*, 17(4), 284–294. doi:10.1108/10569210710844363.
- Lum, L., Kervin, J., Clark, K., Reid, F., &, & Sirola, W. (1998). Explaining nursing turnover intent: job satisfaction, pay satisfaction, or organizational commitment? *Journal of Organizational Behavior*, 19(3), 305–320.doi:10.1002/(SICI)1099-1379(199805)19:3.
- Luzius, J., & Ard, A. (2006). Leaving the Academic Library. *The Journal of Academic Librarianship*, 32(6), 593–598. doi:10.1016/j.acalib.2006.06.004.
- Lyness, K. S., & Judiesch, M. K. (2001). Are female managers quitters? The relationships of gender, promotions, and family leaves of absence to voluntary turnover. *Journal of Applied Psychology*, 86(6), 1167–1178. doi:10.1037//0021-9010.86.6.1167.
- Lyons, K., Valle. I.L., & Grimwood, C. (1995). Career Patterns of Qualified Social Workers: Discussion of a Recent Survey. *British Journal of Social Work*, 25(2), 173–190.
- MacKenzie, S. B., & Podsakoff, P. M. (2012). Common Method Bias in Marketing: Causes, Mechanisms, and Procedural Remedies. *Journal of Retailing*, 88(4), 542–555. doi:10.1016/j.jretai.2012.08.001.
- Mael, F.A., & Ashforth, B. A. (1995). Loyal From Day One: Biodata, Organizational Identification, And Turnover among Newcomers. *Personnel Psychology*, 48(2), 309–333. doi:10.1111/j.1744-6570.1995.tb01759.x

- Maertz, C. P., & Boyar, S. L. (2012). Theory-driven development of a comprehensive turnover-attachment motive survey. *Human Resource Management*, 51(1), 71–98. doi:10.1002/hrm.20464.
- Maertz, C. P., Stevens, M. J., & Campion, M. A. (2003). A turnover model for the Mexican maquiladoras. *Journal of Vocational Behavior*, 63(1), 111–135. doi:10.1016/S0001-8791(02)00023-4.
- Maertz, C. P., & Kmitta, K. R. (2012). Integrating turnover reasons and shocks with turnover decision processes. *Journal of Vocational Behavior*, 81(1), 26–38. doi:10.1016/j.jvb.2012.04.002.
- Malhotra, N. K. (2008). *Essentials of marketing: An applied orientation* (2nd ed). Australia: Pearson Education.
- Malina, M. A., Nørreklit, H. S. O., & Selto, F. H. (2011). Lessons learned: advantages and disadvantages of mixed method research. *Qualitative Research in Accounting & Management*, 8(1), 59–71. doi:10.1108/11766091111124702.
- Malinowski, B. (1922). *Argonauts of the Western Pacific*. London: Routledge and Kegan Paul.
- Mallam, U. (1994). A national research study on factors influencing faculty turnover at selected Nigerian colleges of technology/polytechnics. *Higher Education*, 27(2), 229–238. doi:10.1007/BF01384090.
- Mallol, C. M., Holtom, B. c., & Lee, T. W. (2007). Job embeddedness in a culturally diverse environment. *Journal of Business Psychology*, 22, 35–44.

- Malvern, W., Chiboiwa, M. W., Samuel. M. O., & Chipunza, C. (2010). An examination of employee retention strategy in a private organization in Zimbabwe. *Journal of Business Management*, 4(10).
- Mankin, D. (2009). *Human Resource Development*. Oxford, UK: Oxford University Press.
- March, J. G., & Simon, H. A. (1958). *Organizations*, Cambridge, MA: Blackwell.
- Maslow, A. H. (1943). Motivation and Personality. *Psychological Review*, 50(4), 370–396. doi:10.1037/h0054346.
- Mat, N., & Naser, N. M. (2012). Workplace Spirituality and Counterproductive Work Behaviour (Cwb): A Malaysian Perspective. In *3rd International Conference on Business and Economic Research Proceeding* (pp. 1148–1161).
- Matier, M. (1990). Retaining faculty: A tale of two campuses. *Research in Higher Education*, 31(1), 39–60.
- Mattila, J. P. (1974). Job Quitting and Frictional Unemployment. *American Economic Review*, 64, 235–239.
- Mauss, M. (1925). *The Gift*. London: Routledge and Kegan Paul.
- Maynard, D. C., Joseph, T. A., & Maynard, A. M. (2006). Underemployment, job attitudes, and turnover intentions. *Journal of Organizational Behavior*, 27(4), 509–536. doi:10.1002/job.389.
- Maynard, D. C., & Parfyonova, N. M. (2013). Perceived overqualification and withdrawal behaviours: Examining the roles of job attitudes and work values.

- Journal of Occupational and Organizational Psychology*, 86(3), 435–455.
doi:10.1111/joop.12006.
- Mbachu, E.C., & Hamilton-Ekeke, J.T. (2013). Educational reforms in Nigeria: For who and why? *Journal of Educational Research and Review*, 1(3), 27–33.
- McKerchar, M. (2010). *Design and conduct of research in tax, law and accounting*. Sydney: Thomson Reuters/Lawbook Co.
- McMillan, J. H., & Schumacher, S. (2006). *Research in Education Evidence-Based Inquiry* (7th ed). USA: Pearson Education.
- McShane, S. L., & Glinow, M. V. (2008). *Organizational Behavior*. (4th ed.). Boston: McGraw-Hill/Irwin.
- Medina, F. J., Munduate, L., Dorado, M. A., Martínez, I., &, & Guerra, J. M. (2005). Types of intragroup conflict and affective reactions. *Types of Intragroup Conflict and Affective Reactions*, 20, 219–230.
doi:10.1108/02683940510589019.
- Mensele, C & Coetze, M. (2014). Job embeddedness, organizational commitment and voluntary turnover of academic staff at a higher education institution in South Africa. *South African Journal of Labour Relations*, 38(1), 9–30.
- Mertens, D. M. (2005). *Research and evaluation in education and psychology: Integrating diversity with quantitative, qualitative and mixed methods* (2nd ed.). Thousand Oaks, CA: Sage.

- Messersmith, J.G., & Guthrie, J. P. (2010). High performance work systems in emergent organizations: implications for firm performance. *Human Resource Management*, 49(2), 241–264.
- Meyer, J. P., Stanley, D. J., Herscovitch, L., & Topolnytsky, L. (2002). Affective, Continuance, and Normative Commitment to the Organization: A Meta-analysis of Antecedents, Correlates, and Consequences. *Journal of Vocational Behavior*, 61(1), 20–52. doi:10.1006/jvbe.2001.1842.
- Miceli, M.P., & Lane, M. C. (1991). *Antecedents of pay satisfaction: A review and extension*. In Ferris GR, Rowland KM (Eds). Research in Personnel and Human Resources Management, (pp. 235-309),). Greenwich, CT: JAI Press.
- Micelli, L. (2013). Job openings continue to grow in 2012, hires and separations less so : Monthly Labor Review: U.S. Bureau of Labor Statistics. Retrieved April 29, 2015, from <http://www.bls.gov/opub/mlr/2013/article/hathaway.htm>
- Michaels, C. E., & Spector, P. E. (1982). Causes of employee turnover: A test of the Mobley, Griffeth, Hand, and Meglino model. *Journal of Applied Psychology*, 67(1), 53–59. doi:10.1037//0021-9010.67.1.53.
- Miles, M.B., & Huberman, A. M. (1994). *Qualitative Data Analysis* (2nd ed). Thousand Oaks, CA: Sage Publications.
- Milkovich, G. M., & Newman, J. M. (2008). *Compensation*. (8th ed). McGraw Hill International Edition, USA.
- Milkovich, G.T., & Newman, J. M. (2004). *Compensation*, (4th ed). New York: McGraw-Hill/Irwin.

- Minor, K., Dawson-Edwards, C., Wells, J., Griffith, C., & Angel, E. (2009). Understanding staff perceptions of turnover in corrections. *Professional Issues in Criminal Justice*, 4(2), 43–57.
- Mitchell, T. R., Holtom, B. C., Lee, T. W., Sablinski, C. J., & Erez, M. (2001). Why People Stay: Using Job Embeddedness to Predict Voluntary Turnover. *Academy of Management Journal*, 44(6), 1102–1121. doi:10.2307/3069391.
- Mobley, W. H. (1977). Intermediate linkages in the relationship between job satisfaction and employee turnover. *Journal of Applied Psychology*, 62(2), 237–240. doi:10.1037/0021-9010.62.2.237.
- Mobley, W. H. (1982). *Employee turnover, causes, consequences, and control*. Reading, MA :Addison-Wesley
- Mobley, W. H., Griffeth, R. W., Hand, H. H., & Meglino, B. M. (1979). Review and conceptual analysis of the employee turnover process. *Psychological Bulletin*, 86(3), 493–522. doi:10.1037/0033-2909.86.3.493.
- Mobley, W. H., Horner, S. O., & Hollingsworth, A. T. (1978). An evaluation of precursors of hospital employee turnover. *The Journal of Applied Psychology*, 63(4), 408–14.
- Moore, J. E. (2000). One Road to Turnover: An Examination of Work Exhaustion in Technology Professionals. *MIS Quarterly*, 24(1), 141. doi:10.2307/3250982.
- Mopelola, A.S., & Samuel, A. (2011). Funding strategies for quality university education in Nigeria: the principle of fiscal justice. *Journal of Studies in Education*. 1(1), 1-13. doi: 10.5296/jse.v1i1.1031.

- Morazes, J. L., Benton, A. D., Clark, S. J., & Jacquet, S. E. (2010). Views of Specially-trained Child Welfare Social Workers: A Qualitative Study of their Motivations, Perceptions, and Retention. *Qualitative Social Work*, 9(2), 227–247. doi:10.1177/1473325009350671.
- Morrell, K., & Arnold, J. (2007). Research article: Look after they leap: illustrating the value of retrospective reports in employee turnover. *The International Journal of Human Resource Management*, 18(9), 1683–1699. doi:10.1080/09585190701570759.
- Morrell, K., Loan-Clarke, J., & Wilkinson, A. (2001). Unweaving leaving: the use of models in the management of employee turnover. *International Journal of Management Reviews*, 3(3), 219–244. doi:10.1111/1468-2370.00065.
- Morrell, K., Loan-Clarke, J., Arnold, J., & Wilkinson, A. (2008). Mapping the decision to quit: a refinement and test of the unfolding model of voluntary turnover. *Applied Psychology*, 57(1), 128–150.
- Morse, B., Weinhardt, J., Griffeth, R., & Oliveira, M. (2014). Cross-cultural Measurement Invariance of the Employment Opportunity Index (EOI) in Mexican and Brazilian Professionals. *International Journal of Selection & Assessment*. 22(2), 139-148. doi: 10.1111/ijsa.12064.
- Motowildo, S. J. (1983). Predicting sales turnover from pay satisfaction and expectation. *Journal of Applied Psychology*, 68(3), 484–489.
- Mourmant, G. (2009). *How and Why Do IT Entrepreneurs Leave Their Salaried Employment to Start a SME? A Mixed Methods Research Design*. In

- Information Systems—Creativity and Innovation in Small and Medium-Sized Enterprises (pp. 273–286). Springer Berlin Heidelberg.
- Moustakas, C. (1994). *Phenomenological research methods*. Thousand Oaks, CA: SAGE Publications, Inc.
- Mouton, J. (1996). *Understanding social research*. Van Schaik Publishers.
- Muchinsky, P. M., & Morrow, P. C. (1980). A multidisciplinary model of voluntary employee turnover. *Journal of Vocational Behavior*, 17(3), 263–290. doi:10.1016/0001-8791(80)90022-6.
- Muhr, T. (2004). ATLAS.ti 5.0 [Version 5:]. Berlin, Germany: ATLAS.ti Scientific Software Development GmbH. Available from <http://www.atlasti.com/>.
- Mulvey, P. W., Miceli, M. P., & Near, J. P. (1992). The Pay Satisfaction Questionnaire: A Confirmatory Factor Analysis. *The Journal of Social Psychology*, 132(1), 139–141. doi:10.1080/00224545.1992.9924699.
- Murnane, R. J., & Olsen, R. J. (1990). The Effects of Salaries and Opportunity Costs on Length of Stay in Teaching: Evidence from North Carolina. *Journal of Human Resources*, 25(1), 106–124.
- Murnane, R., Singer, J., & Willett, J. (1989). The Influences of Salaries and “Opportunity Costs” on Teachers’ Career Choices: Evidence from North Carolina. *Harvard Educational Review*, 59(3), 325–347. doi:10.17763/haer.59.3.040r1583036

- Musa, M.B., Ahmed, I., & Bala, A. (2014). Effect of Motivational Incentives on Staff Turnover in Hotel Industry in Gombe State. *Journal of Business and Management*, 16(3), 36–42.
- Mushtaq, A., Amjad, M. S., Bilal, & Saeed, M. M. (2014). The Moderating Effect of Perceived Alternative Job Opportunities between Organizational Justice and Job Satisfaction: Evidence from Developing Countries, 4(1), 5–13. doi:10.13106/eajbm.
- Nakpodia, E., Ayo, B. T., & Adomi, E. E. (2007). A better response rate for questionnaires: Attitudes of librarians in Nigerian University Libraries. *Library Philosophy and Practice*, 9(2), 1–7.
- National Universities Commission. (2013). *University rating*. Abuja: National Universities Commission.
- National Universities commission (2014). List of approved universities in Nigeria. *A Publication of the Office of the Executive Secretary*.
- Nelson, C. (1997). *Manifesto of a tenured radical*. New York: New York University Press.
- Nelson, M. L., Shaw, M. J., & Strader, T. J. (Eds.). 2010). *Sustainable e-Business Management. In 16th Americas Conference on Information Systems. AMCIS 2010, SIGeBIZ track, Lima, Peru, August 12-15, 2010, Selected Papers* (Vol. 58). Springer.
- Netswera, F. G., Rankhumise, E. M., & Mavundla, T. R. (2005). Employee Retention Factors For South African Higher Education Institutions: A Case

Study. *SA Journal of Human Resource Management*, 3(2).

doi:10.4102/sajhrm.v3i2.64.

Neuman, W. L. (2011). *Social Research Methods: Qualitative and Quantitative Approaches*. Pearson.

Ng, T. W. H., & Feldman, D. C. (2007). Organizational embeddedness and occupational embeddedness across career stages. *Journal of Vocational Behavior*, 70(2), 336–351. doi:10.1016/j.jvb.2006.10.002.

Ng, T. W. H., & Feldman, D. C. (2009). The effects of organizational embeddedness on development of social and human capital. *Journal of Applied Psychology*, 95(4), 696–712.

Ngadiman, N., Pambudi, D., Wardani, D. K., & Sabandi, M. (2014). Determinants of Accounting Information Technology Adoption in Syaria Micro Financial Institution. *Asian Social Science*, 10(14), 93–105. doi:10.5539/ass.v10n14p93.

Nwadiani, M., & Akpotu, N. E. (2002). Academic Staff Turnover in Nigerian Universities (1990-1997). *Education*, 123(2), 305.

Nwanolue, B. O. G., & Iwuoha, F. M. V. C. (2012). From Monopolism to Competitionism: A Market Analysis of The Performance Of The Nigerian Postal Service, 1985-2011. *European Journal of Business and Management*, 4(7), 130–142.

O'Reilly, & C., Chatman, J., & Caldwell, D. F. (1991). People and organizational culture: A profile comparison approach to assessing person-organization fit. *Academy of Management Journal*, 34, 487–516.

- Obasi, I. N. (2006). Analysis of the Emergence and Development of Private Universities in Nigeria (1999–2006). *Journal of Higher Education in Africa*, 5(2-3), 39–65.
- Ofo, J. E. (1994). *Research methods and statistics in education and social science*. Lagos : Joja Educational Research and Publishers.
- Ogaboh, A. A. M., Ushie, M. E., Abam, M. I., Agba, M. S., & Okoro, J. (2010). Developing the Biofuel Industry for Effective Rural Transformation in Nigeria. *European Journal of Scientific Research*, 40(3), 441–449.
- Ojo, J. (2012, November 21). The rot in Nigerian universities, The punch newspaper: Retrieved from: <http://www.punchng.com>>Opinion.
- Okoro, C.C., Omeluzor, U.S., & Bamidele, A. T. (2014). Effect of Brain Drain (Human Capital Flight) of Librarians on Service Delivery in Some Selected Nigerian Universities. *SAGE Open*, 4(3), 1–11. doi:10.1177/2158244014541131.
- Okpara, J.O., & Wynn, P. (2008). The impact of ethical climate on job satisfaction, and commitment in Nigeria: Implications for management development. *Journal of Management Development*, 27(9), 935–950.
- Olorunsola, E.O., & Arogundade, B. B. (2012). Organizational Climate and Lecturers Job Performance in South West Nigeria Universities. *Journal of Educational and Social Research*, 2(1), 51–57. doi:10.5901/jesr.2012.02.01.51

- Olusegun, O. (2012). Influence of Motivation on Turnover of Library Personnel in Some Public Universities in South West Nigeria. *Library Philosophy and Practice (e-Journal)*, 1-8.
- Olusegun, A. H, Ashari H, & Nordin, N. (2014). Influence of Top Management Commitment, Stakeholder Pressure and Public Concern on Sustainable Environmental Manufacturing Practices in Malaysia: Data Screening and Preliminary Analysis. *The International Journal Of Business & Management*, 2(11), 189–196.
- Oluwafemi, O. J. (2013). Predictors of Turnover Intention among Employees in Nigeria's Oil Industry. *Organizations And Markets In Emerging Economies*, 4(2(8), 42–63.
- Onwuegbuzie, A.J., & Collins, K.M. (2007). A Typology of Mixed Methods Sampling Designs in Social Science Research. *The Qualitative Report*, 12(2), 281-316.
- Onwuegbuzie, A. J., Johnson, R. B., & Collins, K. M. (2009). Call for mixed analysis: A philosophical framework for combining qualitative and quantitative approaches. *International Journal of Multiple Research Approaches*, 3(2), 114–139. doi:10.5172/mra.3.2.114.
- Orpen, C., & Bonnici, J. (1987). A Factor Analytic Investigation of the Pay Satisfaction Questionnaire. *The Journal of Social Psychology*, 127(4), 391–392. doi:10.1080/00224545.1987.9713719.

- Østerås, N., Gulbrandsen, P., Garratt, A., Benth, J.S., Dahl, F.A., Natvig, B., & Brage, S. (2008). A randomised comparison of a four- and a five-point scale version of the Norwegian Function Assessment Scale. *Health and Quality of Life Outcomes*, 6(1), 6–14. doi:10.1186/1477-7525-6-14.
- Osterman, P. (1984). *Internal Labor Markets*. Cambridge, MA: MIT Press.
- Pallant, J. (2011). *SPSS Survival Manual: A step by step guide to data analysis using SPSS for windows* (4th ed). England: McGraw Hill Open University Press.
- Panaccio, A., Vandenberghe, C., & Ben Ayed, A. K. (2014). The role of negative affectivity in the relationships between pay satisfaction, affective and continuance commitment and voluntary turnover: A moderated mediation model. *Human Relations*, 67(7), 821–848. doi:10.1177/0018726713516377.
- Patton, M. Q. (1990). *Qualitative Evaluation and Research Methods*. California: SAGE Publications Inc.
- Patton, M. Q. (2002). *Qualitative Research Evaluation Methods* (3rd ed). Thousand Oaks, CA: Sage.
- Payne, S. C., & Huffman, A. H. (2005). A Longitudinal Examination of the Influence of Mentoring On Organizational Commitment and Turnover. *Academy of Management Journal*, 48(1), 158–168. doi:10.5465/AMJ.2005.15993166.
- Pearl, D.K., & Fairley, D. (1985). Testing for the potential for non-response bias in sample survey. *Public Opinion Quarterly*, 49(4), 553–560. doi:10.1086/268950.

- Percy, W. H., Kostere, K., & Kostere, S. (2015). Generic qualitative research in psychology. *The Qualitative Report*, 20(2), 76–85.
- Perugini, M., & Gallucci, M. (2001). Individual differences and social norms: The distinction between reciprocators and prosocials. *European Journal of Personality*, 15, 19–35.
- Peters, L. H., Jackofsky, E. F., & Salter, J. R. (1981). Predicting turnover: A comparison of part-time and full-time employees. *Journal of Organizational Behavior*, 2(2), 89–98. doi:10.1002/job.4030020204.
- Peterson, S. J., & Luthans, F. (2006). The impact of financial and nonfinancial incentives on business-unit outcomes over time. *The Journal of Applied Psychology*, 91(1), 156–65. doi: 10.1037/0021-9010.91.1.156.
- Peterson, S. L. (2004). Toward a Theoretical Model of Employee Turnover: A Human Resource Development Perspective. *Human Resource Development Review*, 3(3), 209–227. doi: 10.1177/1534484304267832.
- Petter, S., Straub, D. & Rai, A. (2007). Specifying Formative Constructs in Information Systems Research. *MIS Quarterly*, 31(4), 623–656. doi:10.1111/j.1467-8551.2006.00500.
- Pienaar, C., & Bester, C. L. (2008). The retention of academics in the early career phase: Empirical research. *SA Journal of Human Resource Management*, 6(2), 32–41.

- Pillay, R. (2007). A conceptual framework for the strategic analysis and management of the brain drain of African health care professionals. *Journal of Business Management*, 1(2), 26–33.
- Pizam, A., & Thornburg, S. W. (2000). Absenteeism and voluntary turnover in Central Florida hotels: a pilot study. *International Journal of Hospitality Management*, 19(2), 211–217. doi: 10.1016/S0278-4319(00)00011-6.
- Podgursky, M., Monroe, R., & Watson, D. (2004). The academic quality of public school teachers: an analysis of entry and exit behavior. *Economics of Education Review*, 23(5), 507–518. doi:10.1016/j.econedurev.2004.01.005.
- Podsakoff, P., MacKenzie, S., Lee, J., & Podsakoff, N. (2003). Common method biases in behavioral research: A critical review of the literature and recommended remedies. *Journal of Applied Psychology*, 88(5), 879–903. doi:10.1037/0021-9010.88.5.879.
- Podsakoff, P. M., & Organ, D. W. (1986). Self-reports in organizational research: Problems and prospects. *Journal of Management*, 12(4), 69–82.doi:10.1177/01492063860120040.
- Podsakoff, N. P., Shen, W., & Podsakoff, P. M. (2006). The Role of Formative Measurement Models in Strategic Management Research: Review, Critique, and Implications for Future Research. *Research Methodology in Strategy and Management*, 3(1), 197–252.

- Posthuma, R. A., Joplin, J. R. W., & Maertz, C. P., J. (2005). Comparing the validity of turnover predictors in the Unitedstates and Mexico. *International Journal of Cross Cultural Management*, 5, 165–180.
- Price, J. L. (1977). *The study of turnover*. Ames: Iowa State University Press.
- Price, J. L. (2001). Reflections on the determinants of voluntary turnover. *International Journal of Manpower*, 22(7), 600–624. doi: 10.1108/EUM0000000006233.
- Price, J. L., & Mueller, C. W. (1986). *Absenteeism and turnover of hospital employees*. Greenwich, CT: JAI Press.
- Price, J.L., & Mueller, C. (1981). A causal model for turnover for nurses. *Academy of Management Journal*. *Academy of Management*, 24(3), 543–65.
- Purba, E. D. (2015). Employee Embeddedness and Turnover Intentions: Exploring the Moderating Effects of Commute Time and Family Embeddedness. *Makara Hubs-Asia*, 19(1), 51–63. doi:10.7454/mssh.v19i1.xxxx.
- Qu, S.Q., &, & Dumay, J. (2011). The qualitative research interview. *Qualitative Research in Accounting & Management*, 8(3), 238–264. doi: 10.1108/11766091111162070.
- Rafaeli, A., Dutton, J., Harquail, C.V., & Mackie-Lewis, S. (1997). Navigating by attire: The use of dress by female administrative employees. *Academy O F Management Journal*, 40(1), 9–45.

- Ramesh, A., & Gelfand, M. (2010). Will They Stay or Will They Go? The Role of Job Embeddedness in Predicting Turnover in Individualistic and Collectivistic Cultures. *Journal of Applied Psychology*, 95(5), 807-823.
- Rayton, B. A. (2003). Firm performance and compensation structure: performance elasticities of average employee compensation. *Journal of Corporate Finance*, 9(3), 333–352. doi:10.1016/S0929-1199(02)00017-2.
- Reinartz, W. J., Haenlein, M., &, & Henseler, J. (2009). An Empirical Comparison of the Efficacy of Covariance-Based and Variance-Based SEM. *International Journal of Research in Marketing*, 26(4), 332–344. doi: 10.1016/j.ijresmar.2009.08.001.
- Reineholm, C., Gustavsson, M., Liljegren, M., & Ekberg, K. (2012). The importance of work conditions and health for voluntary job mobility: a two-year follow-up. *BMC Public Health*, 12(1), 682. doi : 10.1186/1471-2458-12-682.
- Richardson, H.A., Simmering, M.J., & Sturman, M. C. (2009). tale of three perspectives: Examining post hoc statistical techniques for detection and correlation of common method variance. *Organizational Research Methods*, 12, 762–800. doi:10.1177/1094428109332834.
- Ringle, C. M., Sarstedt, M., & Straub, D. (2012b). A Critical Look at the Use of PLS-SEM in MIS Quarterly. *MIS Quarterly*, 36(1), 3–14.
- Ringle, C. M., Wende, S., & Will, S. (2005). *SmartPLS 2.0 beta*:University of Hamburg, Hamburg.

- Roberts, N., & Thatcher, J. (2009). Conceptualizing and testing formative constructs: tutorial and annotated example. *The Data Base for Advances in Information Systems*, 40(3), 9–39. <http://doi.org/10.1145/1592401.1592405>.
- Roepke, R., & Agarwal, R., & Ferratt, T. W. (2000). Aligning the IT Human Resource with Business Vision: The Leadership Initiative at 3M. *Management Information Systems Quarterly*, 24(2), 327–353.
- Roldán, J. L., & Sánchez-Franco, M. J. (2012). Variance-based structural equation modeling: guidelines for using partial least squares. In N. Mora(Ed.). In *Research methodologies, innovation and philosophies in software system engineering and information systems* (pp.193–221). Hershey, PA:IGI, Global.
- Rondeau, K. V., & Wagar, T. H. (2006). Nurse and resident satisfaction in magnet long-term care organizations: do high involvement approaches matter? *Journal of Nursing Management*, 14(3), 244–50. doi: 10.1111/j.1365-2934.2006.00594.x
- Rosen, J., Stiehl, E., Mittal, V., & Leana, C. R. (2011). Stayers, Leavers, and Switchers Among Certified Nursing Assistants in Nursing Homes: A Longitudinal Investigation of Turnover Intent, Staff Retention, and Turnover. *The Gerontologist*, 51(5), 597-609.
- Rosser, V. J. (2004). The Socialization and Mentoring of Doctoral Students: A Faculty's Imperative. *Educational Perspectives*, 37(2), 28–33.

- Rothwell, A., & Arnold, J. (2007). Self-perceived employability: development and validation of a scale. *Personnel Review*, 36(1), 23–41. doi : 10.1108/00483480710716704.
- Rynes, S. L., Gerhart, B., & Minette, K. A. (2004). The importance of pay in employee motivation: Discrepancies between what people say and what they do. *Human Resource Management*, 43(4), 381–394. doi: 10.1002/hrm.20031.
- Rynes, S. L., Gerhart, B., & Parks, L. (2005). Personnel psychology: performance evaluation and pay for performance. *Annual Review of Psychology*, 56, 571–600. doi: 10.1146/annurev.psych.56.091103.070254.
- Sahlins, M. (1972). *Stone age economics*. Chicago: Aldine-Atherton.
- Salamin, A., & Hom, P. W. (2005). In search of the elusive U-shaped performance-turnover relationship: are high performing Swiss bankers more liable to quit? *The Journal of Applied Psychology*, 90(6), 1204–16. doi: 10.1037/0021-9010.90.6.1204.
- Salkind, N. J. (1997). *Exploring Research*. (3rd Ed.). New Jersey, Upper Saddle River, Prentice Hall, Inc.
- Salkind, N. J. (2003). *Exploring Research*. Prentice Hall.
- Salleh, R., & Memon, M. A. (2015). A Review on the Effects of Pay Satisfaction on Employee Engagement and Turnover: A Proposed Mediating Framework. *International Business Management*, 9(3), 344–348.
- Sanchez, G. (2013). *PLS Path Modeling with R*. Online. Trowchez Editions. Berkeley. <http://www.gastonsanchez.com/PLS Path Modeling with R.pdf>.

- Sassenberg, K., Matschke, C., & Scholl, A. (2011). The impact of discrepancies from ingroup norms on group members' well-being and motivation. *European Journal of Social Psychology*, 41(7), 886–897. doi:10.1002/ejsp.833.
- Satope, F. B., Akintunde, T. S., & Olopade, B. C. (2014). Effect of leadership behaviour on labour (employees') turnover: a case study of Nigerian Universities. *Journal of Leadership and Management Studies*, 1(2), 173–184.
- Sattler, H., Völckner, F., Riediger, C., & Ringle, C. M. (2010). "The Impact of Brand Extension Success Factors on Brand Extension Price Premium," *International Journal of Research in Marketing*, 27(4), 319–328.
- Scarpello, V., & Carraher, S. M. (2008). Are pay satisfaction and pay fairness the same construct? *Baltic Journal of Management*, 3(1), 23–39. doi: 10.1108/17465260810844248.
- Scarpello, V., Huber, V., & Vandenberg, R. J. (1988). Compensation satisfaction: Its measurement and dimensionality. *Journal of Applied Psychology*, 73(2), 163–171. doi: 10.1037/0021-9010.73.2.163.
- Schafer, J. L. (1999). Multiple imputation: a primer. *Statistical Methods in Medical Research*, 8(1), 3–15.
- Schlomer, G. L., Bauman, S., & Card, N. A. (2010). Best practices for missing data management in counseling psychology. *Journal of Counseling Psychology*, 57(1), 1–10. doi: 10.1037/a0018082.
- Schreurs, B., Guenter, H., Schumacher, D., Van Emmerik, I. H., & Notelaers, G. (2013). Pay-Level Satisfaction and Employee Outcomes: The Moderating

- Effect of Employee-Involvement Climate. *Human Resource Management*, 52(3), 399–421. doi: 10.1002/hrm.21533.
- Schwab, D. P. (1991). Contextual Variables in Employee Performance-Turnover Relationships. *Academy of Management Journal*, 34(4), 966–975. doi: 10.2307/256400.
- Schyns, B., Torka, N., & Gössling, T. (2007). Turnover intention and preparedness for change. *Career Development International*, 12(7), 660–679. doi: 10.1108/13620430710834413.
- Segrest, S., Andrews, M. C., & Hurley, H. A. E. (2015). Voluntary turnover typology utilizing the dispositional variables of core self-evaluation and negative affectivity. *Journal of Behavioral Studies in Business*, 8, 1–12.
- Sekaran, U. (2003). *Research method for business: A skill building approach* (4th ed). John Wiley & Sons.
- Sekaran, U., & Bougie, R. (2010). *Research Methods for Business: A Skill Building Approach*. John Wiley & Sons.
- Sekiguchi, T., Burton, J. P., & Sablinski, C. J. (2008). The Role of Job Embeddedness on Employee Performance: The Interactive Effects with Leader-Member Exchange and Organization-Based Self-Esteem. *Personnel Psychology*, 61(4), 761–792. doi: 10.1111/j.1744-6570.2008.00130.x
- Selden, S. C., & Moynihan, D. P. (2000). A Model of Voluntary Turnover in State Government. *Review of Public Personnel Administration*, 20(2), 63–74.
<http://doi.org/10.1177/0734371X0002000206>.

- Settoon, R. P., Bennett, N., & Liden, R. C. (1996). Social Exchange in Organizations: Perceived Organizational Support, Leader-Member Exchange, and Employee Reciprocity. *Journal of Applied Psychology*, 81(3), 219-227.
- Sharma, G. M., & Azmi, F. T. (2014). Relationship between Retention Factors, Organizational Commitment and Actual Turnover: An Empirical Study of Indian B-Schools. *IIMS Journal of Management Science*, 5(2), 126–145.
- Sharma, S., Durand, R. M., & Gur-Arie, O. (1981). Identification and analysis of moderator variables. *Journal of Marketing Research*, 18(3), 291–300.
- Shaw, J. D., Delery, J. E., Jenkins, G. D., & Gupta, N. (1998). An Organization-Level Analysis of Voluntary and Involuntary Turnover. *Academy of Management Journal*, 41(5), 511–525. doi: 10.2307/256939.
- Shaw, J. D., Duffy, M. K., Jenkins, G. D. J., & Gupta, N. (1999). Positive and Negative Affect, Signal Sensitivity, and Pay Satisfaction. *Journal of Management*, 25(2), 189–205. doi:10.1177/014920639902500204.
- Shaw, J. D., Gupta, N., & Delery, J. E. (2005). Alternative Conceptualizations of the Relationship between Voluntary Turnover and Organizational Performance. *Academy of Management Journal*, 48(1), 50–68. doi: 10.5465/AMJ.2005.15993112.
- Silverman, D. (2006). *Interpreting Qualitative Data: Methods for Analysing Talk, Text and Interaction*. London: Sage Publications.

- Simons, T., & Roberson, Q. (2003). Why managers should care about fairness: The effects of aggregate justice perceptions on organizational outcomes. *Journal of Applied Psychology*, 88(3), 432–443.
- Singer, E. (2006). Nonresponse bias in household surveys. *Public Opinion Quarterly*, 70(5), 637–645. doi:10.1093/poq/nfl034.
- Slife, B. & Williams, R. R. (1995). *What's Behind the Research? Discovering Hidden Assumptions in the Behavioral Sciences*. London: Sage.
- Smith, D. R., Holtom, B. C., & Mitchell, T. R. (2011). Enhancing Precision in the Prediction of Voluntary Turnover and Retirement. *Journal of Vocational Behavior*, 79(1), 290–302.
- Sousa-Poza, A., & Sousa-Poza, A. A. (2007). The effect of job satisfaction on labor turnover by gender: An analysis for Switzerland. *The Journal of Socio-Economics*, 36(6), 895–913. doi: 10.1016/j.socloc.2007.01.022.
- Spector, P. (1997). *Job Satisfaction: Application, Assessment, Cause and Consequences*. Sage Publications, London.
- Spector, P. (2006). Method variance in organizational research: Truth or urban legend? *Organizational Research Methods*, 9(2), 221–232.
- Spector, P. E., & Jex, S. M. (1998). Development of four self-report measures of job stressors and strain: Interpersonal conflict at work scale, organizational constraints scale, quantitative workload inventory, and physical symptoms inventory. *Journal of Occupational Health Psychology*, 3, 356–367.

- Steel, R. P., & Griffeth, R. W. (1989). The elusive relationship between perceived employment opportunity and turnover behavior: A methodological or conceptual artifact? *Journal of Applied Psychology*, 74(6), 846–854. doi:10.1037/0021-9010.74.6.846.
- Steel, R. P., & Lounsbury, J. W. (2009). Turnover process models: Review and synthesis of a conceptual literature. *Human Resource Management Review*, 19(4), 271–282. doi: 10.1016/j.hrmr.2009.04.002.
- Steel, R. P., & Ovalle, N. K. (1984). A review and meta-analysis of research on the relationship between behavioral intentions and employee turnover. *Journal of Applied Psychology*, 69(4), 673–686. doi: 10.1037/0021-9010.69.4.673.
- Steel, R. P., Lounsberry, J. W., & Horst, W. C. (1981). A test of the internal and external validity of Mobley's model of employee turnover. In T. N. Martin & R. N. Osborn (Eds.), In *Proceedings of the 24th Annual Conference of the Midwest Academy of Management* (pp. 333–345.). Carbondale, IL: Southern Illinois University at Carbondale, College of Business and Administration.
- Steers, R. M. & Mowday, R. T. (1981). Employee Turnover and post-decision accommodation processes. In L. L. Cummings and B. M. Staw (Eds.). In *Research in Organizational Behavior*. JAI Press : Greenwich, CT.
- Steinberg, W. (2008). *Statistics alive!* Los Angeles, Sage.
- Steinmetz, S., de Vries, D. H., & Tijdens, K. G. (2014). Should I stay or should I go? The impact of working time and wages on retention in the health workforce. *Human Resources for Health*, 12(1), 1–12.

- Stone, M. (1974). Cross-Validatory Choice and Assessment of Statistical Predictions. *Journal of the Royal Statistical Society, Series B (Methodological)*, 36(2), 111– 147.
- Sturman, M. C., & Carraher, S. M. (2007). Using a Random-Effects Model to Test Differing Conceptualizations of Multidimensional Constructs. *Organizational Research Methods*, 10(1), 108–135. doi:10.1177/1094428106289391.
- Stutzer, A., & Frey, B. S. (2008). Stress that doesn't pay: The commuting paradox. *The Scandinavian Journal of Economics*, 110, 339–366. doi:10.1111/j.1467-9442.2008.00542.x.
- Sulaiman, F.R. & Akinsanya, P. O. (2011). Stress and Instructors' Efficiency in Ogun State Universities: Implications for Nigerian Educational Policy. *International Journal of Psychology and Counselling*, 3(1), 9–14.
- Swider, B. W., Boswell, W. R., & Zimmerman, R. D. (2011). Examining the job search–turnover relationship: The role of embeddedness, job satisfaction, and available alternatives. *Journal of Applied Psychology*, 96(2), 432–441. doi:10.1037/a0021676.
- Szamosi, L. T. (2006). Just what are tomorrow's SME employees looking for? *Education + Training*, 48(8/9), 654–665. doi:10.1108/00400910610710074.
- Tabachnick, B.G. & Fidell, L. S. (2007). *Using multivariate statistics* (5th ed). Boston: Pearson Education Inc.
- Tabachnick, B.G., & Fidell, S. L. (2013). *Using multivariate statistics*. Boston: Pearson Education.

- Tang, T.L.P., Kim, J.K. & Tang, D. S. H. (2000). Does attitude toward money moderate the relationship between intrinsic job satisfaction and voluntary turnover? *Human Relations*, 53(2), 213–245.
- Tanova, C., & Holtom, B. C. (2008). Using job embeddedness factors to explain voluntary turnover in four European countries. *The International Journal of Human Resource Management*, 19(9), 1553–1568. doi:10.1080/09585190802294820
- Taplin, I. M., Winterton, J., & Winterton, R. (2003). Understanding Labour Turnover in a Labour Intensive Industry: Evidence from the British Clothing Industry. *Journal of Management Studies*, 40(4), 1021–1046. doi:10.1111/j.1467-6486.00369.
- Taylor, M. S., Audia, G., & Gupta, A. K. (1996). The Effect of Lengthening Job Tenure on Managers' Organizational Commitment and Turnover. *Organization Science*, 7(6), 632–648. doi:10.1287/orsc.7.6.632.
- Teck-Hong, T. & Waheed, A. (2011). Herzberg's Motivation-Hygiene Theory and Job Satisfaction in the Malaysian Retail Sector: The Mediating Effect of Love of Money. *Asian Academy of Management Journal*, 16(1), 73–94.
- Teddlie, C., & Yu, F. (2007). Mixed Methods Sampling: A Typology With Examples. *Journal of Mixed Methods Research*, 1(1), 77–100. doi:10.1177/2345678906292430.
- Teddlie, C., &, & Tashakkori, A. (2006). A general typology of research designs featuring mixed methods. *Research in the Schools*, 13(1), 12–28.

- Teddlie, C., & Tashakkori, A. (2009). *Foundations of mixed methods research: Integrating quantitative and qualitative approaches in the social and behavioral sciences*. Thousand Oaks, CA: Sage.
- Tekleab, A. G., Bartol, K. M., & Liu, W. (2005). Is it pay levels or pay raises that matter to fairness and turnover? *Journal of Organizational Behavior*, 26(8), 899–921. doi:10.1002/job.352.
- Tekleab, A. G., Takeuchi, R., & Taylor, M. S. (2005). Extending the Chain of Relationships Among Organizational Justice, Social Exchange, and Employee Reactions: The Role of Contract Violations. *Academy of Management Journal*, 48(1), 146–157.
- Tesch, R. (1990). *Qualitative Research: Analysis Types & Software Tools*. Bristol, PA: Falmer Press.
- Tett, R. P. & Meyer, J. P. (1993). Job Satisfaction, Organizational Commitment, Turnover Intention, and Turnover: Path Analyses Based On Meta-Analytic Findings. *Personnel Psychology*, 46(2), 259–293. doi: 10.1111/j.1744-6570.1993.tb00874.x
- Thaden, E., Jacobs-Priebe, L., & Evans, S. (2010). Understanding Attrition and Predicting Employment Durations of Former Staff in a Public Social Service Organization. *Journal of Social Work*, 10(4), 407–435. doi: 10.1177/1468017310369606.
- Thatcher, J. B., Stepina, L. P., & Boyle, R. J. (2002). Turnover of Information Technology Workers: Examining Empirically the Influence of Attitudes, Job

- Characteristics, and External Markets. *Journal of Management Information Systems*, 19(3), 231–261.
- Theron, M., Barkhuizen, N., & Du Plessis, Y. (2014). Managing the academic talent void: Investigating factors in academic turnover and retention in South Africa. *SA Journal of Industrial Psychology*, 40(1), 1-14. doi: 10.4102/sajip.v40i1.1117.
- Thibaut, J.W., & Kelley, H. (1959). *The social psychology og groups*. New York: Wiley.
- Thien, L. M., Thurasamy, R., & Razak, N. A. (2013). Specifying and assessing a formative measure for Hofstede's cultural values: a Malaysian study. *Quality & Quantity*, 48(6), 3327–3342.
- Thwala, D.W., Ajagbe, A.M., Enegbuma, W.I., Bilau, A.A. & Long, C. S. (2012). Sudanese Small and Medium Sized Construction Firms: An Empirical Survey of Job Turnover. *Journal of Basic, Applied Scientific Research*, 2(8), 7414–7420.
- Tilak, J. B. (2003). Are We Marching towards Laissez-faireism in Higher Education Development? *Journal of International Cooperation in Education*, 8(1), 153–165.
- Tjosvold, D., Hui, C., Ding, D. Z., & Hu, J. (2003). Conflict values and team relationships: conflict's contribution to team effectiveness and citizenship in China. *Journal of Organizational Behavior*, 24(1), 69–88. doi: 10.1002/job.180.

- Ton, Z., & Huckman, R. S. (2008). Managing the Impact of Employee Turnover on Performance: The Role of Process Conformance. *Organization Science*, 19(1), 56–68. doi: 10.1287/orsc.1070.0294.
- Trevor, C. O., Gerhart, B., & Boudreau, J. W. (1997). Voluntary turnover and job performance: Curvilinearity and the moderating influences of salary growth and promotions. *Journal of Applied Psychology*, 82(1), 44–61. doi: 10.1037/0021-9010.82.1.44.
- Twale, D. J., & DeLuca, B. M. (2008). *Faculty incivility: The rise of the academic bully culture and what to do about it*. San Francisco, CA: Jossey-Bass.
- Tyler, T. R., & Blader, S. L. (2000). *Cooperation in groups: Procedural justice, social identity, and behavioral engagement*. Philadelphia: Psychology Press
- Urbach, N., & Ahlemann, F. (2010). Structural Equation Modeling in Information Systems Research Using Partial Least Squares. *Journal of Information Technology Theory and Application (JITTA)*, 11(2), 5-40.
- Van Breukelen, W., Van der Vlist, R., &, & Steensma, H. (2004). Voluntary employee turnover: combining variables from the“traditional” turnover literature with the theory of planned behavior. *Journal of Organizational Behavior*, 25(7), 893–914. doi:10.1002/job.281.
- Van Bruggen, G.H., Lilien, G.L., & Kacker, M. (2013). Informants in Organizational Marketing Research: Why Use Multiple Informants and How to Aggregate Responses. *Journal of Marketing Research*, 39(4), 469–478. doi: 10.1509/jmkr.39.4.469.19117.

- Valle, M., Leupold, C. R., & Leupold, K. L. (2006). Holding on and letting go: the relationship between job embeddedness and turnover among PEM physicians. *Journal of Business Inquiry*, 5, 3–10.
- Vandenberg, R. J., & Nelson, J. B. (1999). Disaggregating the Motives Underlying Turnover Intentions: When Do Intentions Predict Turnover Behavior? *Human Relations*, 52(10), 1313–1336. doi: 10.1023/A:1016964515185.
- Vandenbergh, C., & Tremblay, M. (2008). The Role of Pay Satisfaction and Organizational Commitment in Turnover Intentions: A Two-Sample Study. *Journal of Business and Psychology*, 22, 275–286. doi:10.1007/s10869-008-9063-3
- Verardi, V., & Crux, C. (2008). Robust regression in Stata. *Stata Journal*, 9, 439–453.
- Volkwein, J. F., Malik, S. M., & Napierski-Prancl, M. (1998). Administrative satisfaction and the regulatory climate at public universities. *Research in Higher Education*, 39(1), 43–63. doi: 10.1023/A:1018752311951..
- Von Hagel, W. J., & Miller, L. A. (2011). Precipitating events leading to voluntary employee turnover among information technology professionals. *Journal of Leadership Studies*, 5(2), 14–33. doi: 10.1002/jls.20215.
- Wald, S. (2005). The impact of overqualification on job search. *International Journal of Manpower*, 26(2), 140–156. doi: 10.1108/01437720510597649

- Wall, T. D., & Clegg, C. W. (1981). A longitudinal field study of group work redesign. *Journal of Organizational Behavior*, 2(1), 31–49. doi: 10.1002/job.4030020104.
- Wallace, J., & Gaylor, K. P. (2012). A study of the dysfunctional and functional aspects of voluntary employee turnover. *SAM Advanced Management Journal*. 77(3), 1-27.
- Waltz, C.F., Strickland, O.L., & Lenz, E. . (2010). *Measurement in nursing and health research* (4th ed). Springer, New York.
- Weiler, W. C. (1985). Why do faculty members leave a university? *Research in Higher Education*, 23(3), 270–278. doi: 10.1007/BF00973790.
- Westphal, J. D., & Zajac, E. J. (1997). Defections from the Inner Circle: Social Exchange, Reciprocity, and the Diffusion of Board Independence in U.S. Corporations. *Administrative Science Quarterly*, 42(1), 161–183.
- Wheeldon, J. (2010). Mapping Mixed Methods Research: Methods, Measures, and Meaning. *Journal of Mixed Methods Research*, 4(2), 87–102. doi: 10.1177/1558689809358755.
- Wilden, R., Gudergan, S. P., Nielsen, B. B., & Lings, I. (2013). Dynamic capabilities and performance: Strategy, structure and environment. *Long Range Planning*, 46((1–2)), 72–96.doi:10.1016/j.lrp.2012.12.001.
- William Lee, T., Burch, T. C., & Mitchell, T. R. (2014). The Story of Why We Stay: A Review of Job Embeddedness. *Annual Review of Organizational Psychology and Organizational Behavior*, 1(1), 199–216. doi: 10.1146/-031413-091244.

- Williams, M. L., Brower, H. H., Ford, L. R., Williams, L. J., & Carraher, S. M. (2008). A comprehensive model and measure of compensation satisfaction. *Journal of Occupational and Organizational Psychology*, 81(4), 639–668. doi: 10.1348/09631790.
- Williams, M. L., McDaniel, M. A., & Ford, L. R. (2007). Understanding multiple dimensions of compensation satisfaction. *Journal of Business and Psychology*, 21(3), 429–459. doi: 10.1007/s10869-006-9036-3.
- Williams, M. L., McDaniel, M. A., & Nguyen, N. T. (2006). A meta-analysis of the antecedents and consequences of pay level satisfaction. *The Journal of Applied Psychology*, 91(2), 392–413. doi: 10.1037/0021-9010.91.2.392.
- Willis, G. B. (2005). Cognitive interviewing: A tool for improving questionnaire design. Thousand Oaks, CA: Sage Publications.
- Wilson, J. (2010). “*Essentials of Business Research: A Guide to Doing Your Research Project.*” SAGE Publications.
- Wooldridge, J. M. (2002). *Econometric Analysis of Cross Section and Panel Data*. Cam-Bridge, MA: MIT Press.
- World Economic forum. (2015). *Global Competitiveness 2014-2015 Report*. Washington D.C.: World Economic forum.
- World Fact Book. (2014). *Nigeria – 2014 Report*,. United States Central Intelligence Agency.

- Wright, T. A., & Bonett, D. G. (2007). Job Satisfaction and Psychological Well-Being as Nonadditive Predictors of Workplace Turnover. *Journal of Management*, 33(2), 141–160. doi: 10.1177/0149206306297582.
- Xu, Y. J. (2008b). Gender Disparity in STEM Disciplines: A Study of Faculty Attrition and Turnover Intentions. *Research in Higher Education*, 49(7), 607–624. doi: 10.1007/s11162-008-9097-4..
- Yang, C., Qinhai, M., & Ling, H.(2011). Job embeddedness: a new perspective to predict voluntary turnover. *Nankai Business Review International*, 2(4), 418–446. doi: 10.1108/20408741111178834
- Yaniv, E. & Farkas, F. (2005). The impact of person-organization fit on the corporate brand perception of employees and of customers. *Journal of Change Management*, 5(4), 447 – 461.
- Yao, X., Lee, T. W., Mitchell, T. R., Burton, J. P., & Sablinski, C. J. (2004). *Job embeddedness: Current research and future directions*. In R. Griffeth, & P. Hom (Eds.), Innovative theory and empirical research on employee turnover, (pp. 153–187).
- Yim F. H., Anderson, R. E. & Swaminathan, S. (2005). Customer Relationship Management: Its Dimensions and Effect on Customer Outcomes. *Journal of Personal Selling & Sales Management*, 24(4), 265–280.
- Yin, R. K. (2003). *Case Study Research: Design and Methods* (3rd ed). SAGE Publications.

- Yin-Fah, B.C., Foon, Y.S., Chee-Leong, L., & Osman, S. (2010). An Exploratory Study on Turnover Intention among Private Sector Employees. *International Journal of Business and Management*, 5(8), 57–64. doi: 0.5539/ijbm.v5n8p57.
- Young, J. A., Stone, J., Aliaga, O., & Shuck, B. T. (2013). Job Embeddedness Theory: Can It Help Explain Employee Retention among Extension Agents? *Journal of Extension*, 51(4).
- Zax, J. S. & Kain, F. J. (1991). Commutes, quits, and moves. *Journal of Urban Economics*, 29(2), 153–165.
- Zhang, M., Fried, D.D., & Griffeth, R.W. (2012). A review of job embeddedness: Conceptual, measurement issues, and directions for future research. *Human Resource Management Review*, 22(3), 220–231. doi: 10.1016/j.hrmr.2012.02.004.
- Zheng, S., Wang, Z., & Song, S. (2014). Pay Satisfaction of Employees: A Case Study of a State-Owned Science Institute in China. *Social Indicators Research*, 119(3), 1219–1231. doi: 10.1007/s11205-013-0554-x.
- Zhou, Y., & Volkwein, J. F. (2004). The influences on faculty departure in two-year colleges: A national study using NSOPF-99. *Research in Higher Education*, 45(2), 139–176.
- Zikmund, W. G. (2003). *Business Research Methods*. Thomson/South-Western.
- Zikmund, W. G. (2005). *Business Research Methods*,. Bangalore: Thomson Business Information India Pvt. Limited.

- Zimmerman, R. D. (2008). Understanding the Impact of Personality Traits on Individuals' Turnover Decisions: A Meta-Analytic Path Model. *Personnel Psychology*, 61(2), 309–348. doi:10.1111/j.1744-6570.2008.00115.x
- Zuger, A. (2004). Dissatisfaction with medical practice. *The New England Journal of Medicine*, 350(1), 69–75. doi: 10.1056031703.

