University Library Faculty Publications　　　　　　　Georgia State University Library

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Dissertations Content Analysis Data Set, "Diving Deep into Dissertations" article, College & Research Libraries

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DISS STUDY | C&RL ARTICLE | CODEBOOK & OUTPUT

Contents

ARTICLE – Citation, Abstract, and Author Contact

CITATION:

ABSTRACT:

We present findings from an exploratory quantitative content analysis case study of 156 doctoral dissertations from Georgia State University that investigates doctoral student researchers' methodology practices (used quantitative, qualitative, or mixed methods) and data practices (used primary data, secondary data, or both). We discuss the implications of our findings for provision of data support services provided by the Georgia State University Library's Research Data Services (RDS) Team and subject liaison librarians in the areas of instructional services, data software support and licensing advocacy, collection development, marketing/outreach, and professional development/expansion.

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CODEBOOK – Study Files and Sharing Status

1. Diss_Study_CRLarticle_Codebook_and_Output.pdf
   a. SHARE
   b. Contains (1) article citation, abstract, and author contact, (2) codebook with variables descriptions and frequency distributions, (3) output for Tables 2, 3, 4, 5 of article.
2. Diss_Study_CRLarticle_SPSS_Data.sav
   a. SHARE
   b. Raw data file – IBM SPSS Statistics format (SPSS 28 version)
3. Diss_Study_CRLarticle_Excel_Data.xlsx
   a. SHARE
   b. Raw data file – Microsoft Excel format
   c. 3 sheets:
      i. READ ME sheet
      ii. Data as Numeric Values
      iii. Data as Value Labels
4. Diss_Study_CRLarticle_NVivo_Diss_PDFs_for_Text_Search_Queries (NVivo R14.23.1).nvp
   a. DO NOT SHARE
   b. NVivo Project File cannot be shared because some of the included dissertations are embargoed against open distribution.
5. Diss_Study_CRLarticle_NVivo_Text_Search_Queries_for_Software.xlsx
   a. SHARE
   b. 2 sheets:
      i. READ ME sheet
      ii. Queries with 3 columns:
         1. Query Name
         2. Query Criteria
         3. Date Ran and Additional Notes

CODEBOOK – Variables Descriptions & Frequency Distributions

File Information

File Name		Diss_Study_CRLarticle_SPSS_Data.sav
Number of Cases	Unweighted	156

ID

		Value
Standard Attributes	Position	1
	Label	Dissertation Study ID
	Type	Numeric
	Measurement	Scale
N	Valid	156
	Missing	0

study_qualify

		Value	Count	Percent
Standard Attributes	Position	2		
	Label	Dissertation met inclusion criteria? (see Table 1 of CRL article)		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	No	0	0.0%
	1	Yes	156	100.0%

academic_dept

		Value	Count	Percent
Standard Attributes	Position	3		
	Label	Academic Department (coded as number categories)		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	1	Sociology	8	5.1%

2	Risk Management		1	0.6%
3	Public Management and Policy		6	3.8%
4	Public Health		5	3.2%
5	Psychology		7	4.5%
6	Political Science		5	3.2%
7	Physics and Astronomy		4	2.6%
8	Nursing		3	1.9%
9	Neuroscience Institute		5	3.2%
10	Middle and Secondary Education		14	9.0%
11	Mathematics and Statistics		5	3.2%
12	Marketing		4	2.6%
13	Managerial Sciences		2	1.3%
14	Kinesiology		3	1.9%
15	History		2	1.3%
16	Finance		1	0.6%
17	Film, Media & Theatre		1	0.6%
18	English		1	0.6%
19	Educational Psychology, Special Education, and Communication Disorders		2	1.3%
20	Educational Policy Studies		9	5.8%
21	Economics		7	4.5%
22	Early Childhood and Elementary Education		5	3.2%
23	Criminal Justice		3	1.9%
24	Counseling and Psychological Services		1	0.6%
25	Computer Science		5	3.2%

			Count	Percent
	26	Computer Information Systems	3	1.9%
	27	Communication	4	2.6%
	28	Chemistry	9	5.8%
	29	Business Administration	11	7.1%
	30	Biology	14	9.0%
	31	Applied Linguistics and English as a Second Language	6	3.8%

academic_field

		Value	Count	Percent
Standard Attributes	Position	4		
	Label	Academic Fields (coded as number categories)		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	1	Business	22	14.1%
	2	Physical Sciences & Math	42	26.9%
	3	Education	34	21.8%
	4	Health Science	8	5.1%
	5	Social Sciences	46	29.5%
	6	Humanities	4	2.6%

method_type

		Value	Count	Percent
Standard Attributes	Position	5		
	Label	Method Type		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	1	Qualitative	43	27.6%
	2	Quantitative	96	61.5%
	3	Mixed Methods	17	10.9%

degree_type

		Value	Count	Percent
Standard Attributes	Position	6		
	Label	Degree Type		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	1	PhD	137	87.8%
	2	EdD	8	5.1%
	3	EDB	11	7.1%

data_type

		Value	Count	Percent
Standard Attributes	Position	7		
	Label	Data Type		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	1	Primary Data only	94	60.3%
	2	Secondary Data only	44	28.2%
	3	Both Primary & Secondary Data	18	11.5%

software_qual

		Value	Count	Percent
Standard Attributes	Position	8		
	Label	Software = Qualitative		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	No	133	85.3%
	1	Qualitative	23	14.7%

software_quant

		Value	Count	Percent
Standard Attributes	Position	9		
	Label	Software =		

		Value	Count	Percent
		Quantitative		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	No	82	52.6%
	1	Quantitative	74	47.4%

software_other

		Value	Count	Percent
Standard Attributes	Position	10		
	Label	Software = Other (not qual or quant)		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	No	126	80.8%
	1	Other	30	19.2%

software_not_identified

		Value	Count	Percent
Standard Attributes	Position	11		
	Label	Software Identifed?		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	Identified	108	69.2%
	1	Not identified	48	30.8%

soft_SPSS

		Value	Count	Percent
Standard Attributes	Position	12		
	Label	Software SPSS		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	no	126	80.8%
	1	yes	30	19.2%

soft_Excel

		Value	Count	Percent
Standard Attributes	Position	13		
	Label	Software Excel		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	no	142	91.0%
	1	yes	14	9.0%

soft_Stata

		Value	Count	Percent
Standard Attributes	Position	14		
	Label	Software Stata		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	no	143	91.7%
	1	yes	13	8.3%

soft_Mplus

		Value	Count	Percent
Standard Attributes	Position	15		
	Label	Software Mplus		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	no	146	93.6%
	1	yes	10	6.4%

soft_SAS

		Value	Count	Percent
Standard Attributes	Position	16		
	Label	Software SAS		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	no	151	96.8%
	1	yes	5	3.2%

soft_MATLAB

		Value	Count	Percent
Standard Attributes	Position	17		
	Label	Software MATLAB		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	no	151	96.8%
	1	yes	5	3.2%

soft_R

		Value	Count	Percent
Standard Attributes	Position	18		
	Label	Software R		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	no	147	94.2%
	1	yes	9	5.8%

soft_Python

		Value	Count	Percent
Standard Attributes	Position	19		
	Label	Software Python		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	no	150	96.2%
	1	yes	6	3.8%

soft_NVivo

		Value	Count	Percent
Standard Attributes	Position	20		
	Label	Software NVivo		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	no	141	90.4%
	1	yes	15	9.6%

soft_Dedoose

		Value	Count	Percent
Standard Attributes	Position	21		
	Label	Software Dedoose		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	no	147	94.2%
	1	yes	9	5.8%

soft_ATLAS.ti

		Value	Count	Percent
Standard Attributes	Position	22		
	Label	Software ATLAS.ti		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	no	154	98.7%
	1	yes	2	1.3%

soft_Qualtrics

		Value	Count	Percent
Standard Attributes	Position	23		
	Label	Software Qualtrics		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	no	142	91.0%
	1	yes	14	9.0%

soft_unknown

		Value	Count	Percent
Standard Attributes	Position	24		
	Label	Software Unknown		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	no	0	0.0%

	1	yes	48	30.8%
Missing Values	System		108	69.2%

soft_TALLES

		Value	Count	Percent
Standard Attributes	Position	25		
	Label	Software TALLES		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	no	0	0.0%
	1	yes	1	0.6%
Missing Values	System		155	99.4%

soft_TAACO

		Value	Count	Percent
Standard Attributes	Position	26		
	Label	Software TAACO		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	no	0	0.0%
	1	yes	1	0.6%
Missing Values	System		155	99.4%

soft_AntConc

		Value	Count	Percent
Standard Attributes	Position	27		
	Label	Software AntConc		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	no	0	0.0%
	1	yes	2	1.3%
Missing Values	System		154	98.7%

soft_TagAnt

		Value	Count	Percent
Standard Attributes	Position	28		
	Label	Software TagAnt		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	no	0	0.0%
	1	yes	1	0.6%
Missing Values	System		155	99.4%

soft_WordSmith

		Value	Count	Percent
Standard Attributes	Position	29		
	Label	Software WordSmith		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	no	0	0.0%
	1	yes	1	0.6%
Missing Values	System		155	99.4%

soft_ImageJ

		Value	Count	Percent
Standard Attributes	Position	30		
	Label	Software ImageJ		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	no	0	0.0%
	1	yes	8	5.1%
Missing Values	System		148	94.9%

soft_GraphPadPrism

		Value	Count	Percent
Standard Attributes	Position	31		
	Label	Software GraphPadPrism		

		Type	Numeric		
		Measurement	Nominal		
Valid Values		0	no	0	0.0%
		1	yes	4	2.6%
Missing Values		System		152	97.4%

soft_SmartPLS3

			Value	Count	Percent
Standard Attributes		Position	32		
		Label	Software SmartPLS3		
		Type	Numeric		
		Measurement	Nominal		
Valid Values		0	no	0	0.0%
		1	yes	5	3.2%
Missing Values		System		151	96.8%

soft_QDAminer

			Value	Count	Percent
Standard Attributes		Position	33		
		Label	Software QDAminer		
		Type	Numeric		
		Measurement	Nominal		
Valid Values		0	no	0	0.0%
		1	yes	1	0.6%
Missing Values		System		155	99.4%

soft_CMA

			Value	Count	Percent
Standard Attributes		Position	34		
		Label	Software CMA		
		Type	Numeric		
		Measurement	Nominal		
Valid Values		0	no	0	0.0%
		1	yes	1	0.6%

Missing Values	System			155	99.4%

soft_GoogleForms

		Value	Count	Percent
Standard Attributes	Position	35		
	Label	Software GoogleForms		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	no	0	0.0%
	1	yes	1	0.6%
Missing Values	System		155	99.4%

soft_Coot

		Value	Count	Percent
Standard Attributes	Position	36		
	Label	Software Coot		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	no	0	0.0%
	1	yes	2	1.3%
Missing Values	System		154	98.7%

soft_IlluminaHiSeq

		Value	Count	Percent
Standard Attributes	Position	37		
	Label	Software IlluminaHiSeq		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	no	0	0.0%
	1	yes	2	1.3%
Missing Values	System		154	98.7%

soft_rev.com

		Value	Count	Percent
Standard Attributes	Position	38		
	Label	Software rev.com		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	no	0	0.0%
	1	yes	2	1.3%
Missing Values	System		154	98.7%

soft_VMD

		Value	Count	Percent
Standard Attributes	Position	39		
	Label	Software VMD		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	no	0	0.0%
	1	yes	0	0.0%
Missing Values	System		156	100.0%

soft_KaleidaGraph

		Value	Count	Percent
Standard Attributes	Position	40		
	Label	Software KaleidaGraph		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	no	0	0.0%
	1	yes	1	0.6%
Missing Values	System		155	99.4%

soft_Enzfitter

		Value	Count	Percent
Standard Attributes	Position	41		
	Label	Software Enzfitter		

		Value	Count	Percent
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	no	0	0.0%
	1	yes	1	0.6%
Missing Values	System		155	99.4%

soft_Amber10

		Value	Count	Percent
Standard Attributes	Position	42		
	Label	Software Amber10		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	no	0	0.0%
	1	yes	1	0.6%
Missing Values	System		155	99.4%

soft_LISREL

		Value	Count	Percent
Standard Attributes	Position	43		
	Label	Software LISREL		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	no	0	0.0%
	1	yes	4	2.6%
Missing Values	System		152	97.4%

soft_axographx

		Value	Count	Percent
Standard Attributes	Position	44		
	Label	Software axographx		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	no	0	0.0%
	1	yes	1	0.6%

		Value	Count	Percent
Missing Values	System		155	99.4%

soft_labchart

		Value	Count	Percent
Standard Attributes	Position	45		
	Label	Software art		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	no	0	0.0%
	1	yes	1	0.6%
Missing Values	System		155	99.4%

soft_sigmastat

		Value	Count	Percent
Standard Attributes	Position	46		
	Label	Software sigmastat		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	no	0	0.0%
	1	yes	1	0.6%
Missing Values	System		155	99.4%

soft_neuronstudio

		Value	Count	Percent
Standard Attributes	Position	47		
	Label	Software neuronstudio		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	no	0	0.0%
	1	yes	1	0.6%
Missing Values	System		155	99.4%

soft_agilenttechnology

		Value	Count	Percent
Standard Attributes	Position	48		
	Label	Software agilenttechnology		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	no	0	0.0%
	1	yes	7	4.5%
Missing Values	System		149	95.5%

soft_agilentbioanalyzer

		Value	Count	Percent
Standard Attributes	Position	49		
	Label	Software agilentbioanalyzer		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	no	0	0.0%
	1	yes	1	0.6%
Missing Values	System		155	99.4%

soft_arcgis

		Value	Count	Percent
Standard Attributes	Position	50		
	Label	Software arcgis		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	no	0	0.0%
	1	yes	2	1.3%
Missing Values	System		154	98.7%

soft_surveymonkey

		Value	Count	Percent
Standard Attributes	Position	51		
	Label	Software surveymonkey		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	no	0	0.0%
	1	yes	1	0.6%
Missing Values	System		155	99.4%

soft_fsqca

		Value	Count	Percent
Standard Attributes	Position	52		
	Label	Software fsqca		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	no	0	0.0%
	1	yes	1	0.6%
Missing Values	System		155	99.4%

soft_netstation

		Value	Count	Percent
Standard Attributes	Position	53		
	Label	Software netstation		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	no	0	0.0%
	1	yes	1	0.6%
Missing Values	System		155	99.4%

soft_geolytics

		Value	Count	Percent
Standard Attributes	Position	54		
	Label	Software geolytics		

	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	no	0	0.0%
	1	yes	1	0.6%
Missing Values	System		155	99.4%

soft_googlemaps

		Value	Count	Percent
Standard Attributes	Position	55		
	Label	Software googlemaps		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	no	0	0.0%
	1	yes	1	0.6%
Missing Values	System		155	99.4%

soft_topspin

		Value	Count	Percent
Standard Attributes	Position	56		
	Label	Software topspin		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	no	0	0.0%
	1	yes	2	1.3%
Missing Values	System		154	98.7%

soft_phenix

		Value	Count	Percent
Standard Attributes	Position	57		
	Label	Software phenix		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	no	0	0.0%
	1	yes	1	0.6%

Missing Values	System		155	99.4%

soft_hkl2000

		Value	Count	Percent
Standard Attributes	Position	58		
	Label	Software hkl2000		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	no	0	0.0%
	1	yes	1	0.6%
Missing Values	System		155	99.4%

soft_gpower

		Value	Count	Percent
Standard Attributes	Position	59		
	Label	Software gpower		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	no	0	0.0%
	1	yes	1	0.6%
Missing Values	System		155	99.4%

soft_geocodio

		Value	Count	Percent
Standard Attributes	Position	60		
	Label	Software geocodio		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	no	0	0.0%
	1	yes	1	0.6%
Missing Values	System		155	99.4%

soft_qgis

		Value	Count	Percent
Standard Attributes	Position	61		
	Label	Software qgis		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	no	0	0.0%
	1	yes	1	0.6%
Missing Values	System		155	99.4%

soft_expasy

		Value	Count	Percent
Standard Attributes	Position	62		
	Label	Software expasy		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	no	0	0.0%
	1	yes	1	0.6%
Missing Values	System		155	99.4%

soft_imaginequantlas4000

		Value	Count	Percent
Standard Attributes	Position	63		
	Label	Software imaginequantlas 4000		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	no	0	0.0%
	1	yes	1	0.6%
Missing Values	System		155	99.4%

soft_lsrfortessa

		Value	Count	Percent
Standard Attributes	Position	64		
	Label	Software		

		lsrfortessa		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	no	0	0.0%
	1	yes	1	0.6%
Missing Values	System		155	99.4%

soft_flowjo

		Value	Count	Percent
Standard Attributes	Position	65		
	Label	Software flowjo		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	no	0	0.0%
	1	yes	1	0.6%
Missing Values	System		155	99.4%

soft_sensorchipnta

		Value	Count	Percent
Standard Attributes	Position	66		
	Label	Software sensorchipnta		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	no	0	0.0%
	1	yes	1	0.6%
Missing Values	System		155	99.4%

soft_biacoret200

		Value	Count	Percent
Standard Attributes	Position	67		
	Label	Software biacoret200		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	no	0	0.0%

		Value	Count	Percent
	1	yes	1	0.6%
Missing Values	System		155	99.4%

soft_trinity717

		Value	Count	Percent
Standard Attributes	Position	68		
	Label	Software trinity717		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	no	0	0.0%
	1	yes	1	0.6%
Missing Values	System		155	99.4%

soft_megalign

		Value	Count	Percent
Standard Attributes	Position	69		
	Label	Software megalign		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	no	0	0.0%
	1	yes	1	0.6%
Missing Values	System		155	99.4%

soft_doors

		Value	Count	Percent
Standard Attributes	Position	70		
	Label	Software doors		
	Type	Numeric		
	Measurement	Nominal		
Valid Values	0	no	0	0.0%
	1	yes	1	0.6%
Missing Values	System		155	99.4%

OUTPUT – Table 2 Distributions

Statistics

		Method Type	Degree Type	Data Type	Software = Qualitative	Software = Quantitative
N	Valid	156	156	156	156	156
	Missing	0	0	0	0	0

Statistics

		Software = Other (not qual or quant)	Software Identifed?
N	Valid	156	156
	Missing	0	0

Frequency Table

Method Type

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Qualitative	43	27.6	27.6	27.6
	Quantitative	96	61.5	61.5	89.1
	Mixed Methods	17	10.9	10.9	100.0
	Total	156	100.0	100.0	

Degree Type

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	PhD	137	87.8	87.8	87.8
	EdD	8	5.1	5.1	92.9
	EDB	11	7.1	7.1	100.0
	Total	156	100.0	100.0	

Data Type

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Primary Data only	94	60.3	60.3	60.3
	Secondary Data only	44	28.2	28.2	88.5
	Both Primary & Secondary Data	18	11.5	11.5	100.0
	Total	156	100.0	100.0	

Software = Qualitative

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No	133	85.3	85.3	85.3
	Qualitative	23	14.7	14.7	100.0
	Total	156	100.0	100.0	

Software = Quantitative

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No	82	52.6	52.6	52.6
	Quantitative	74	47.4	47.4	100.0
	Total	156	100.0	100.0	

Software = Other (not qual or quant)

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No	126	80.8	80.8	80.8
	Other	30	19.2	19.2	100.0
	Total	156	100.0	100.0	

Software Identifed?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Identified	108	69.2	69.2	69.2
	Not identified	48	30.8	30.8	100.0
	Total	156	100.0	100.0	

Frequencies

Statistics

		Software SPSS	Software Excel	Software Stata	Software Mplus	Software SAS
N	Valid	108	108	108	108	108
	Missing	0	0	0	0	0

Statistics

		Software MATLAB	Software R	Software Python	Software NVivo	Software Dedoose
N	Valid	108	108	108	108	108
	Missing	0	0	0	0	0

Statistics

		Software ATLAS.ti	Software Qualtrics
N	Valid	108	108
	Missing	0	0

Frequency Table

Software SPSS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	no	78	72.2	72.2	72.2
	yes	30	27.8	27.8	100.0
	Total	108	100.0	100.0	

Software Excel

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	no	94	87.0	87.0	87.0
	yes	14	13.0	13.0	100.0
	Total	108	100.0	100.0	

Software Stata

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	no	95	88.0	88.0	88.0
	yes	13	12.0	12.0	100.0
	Total	108	100.0	100.0	

Software Mplus

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	no	98	90.7	90.7	90.7
	yes	10	9.3	9.3	100.0
	Total	108	100.0	100.0	

Software SAS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	no	103	95.4	95.4	95.4
	yes	5	4.6	4.6	100.0

		Frequency	Percent	Valid Percent	Cumulative Percent
	Total	108	100.0	100.0	

Software MATLAB

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	no	103	95.4	95.4	95.4
	yes	5	4.6	4.6	100.0
	Total	108	100.0	100.0	

Software R

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	no	99	91.7	91.7	91.7
	yes	9	8.3	8.3	100.0
	Total	108	100.0	100.0	

Software Python

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	no	102	94.4	94.4	94.4
	yes	6	5.6	5.6	100.0
	Total	108	100.0	100.0	

Software NVivo

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	no	93	86.1	86.1	86.1
	yes	15	13.9	13.9	100.0
	Total	108	100.0	100.0	

Software Dedoose

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	no	99	91.7	91.7	91.7
	yes	9	8.3	8.3	100.0
	Total	108	100.0	100.0	

Software ATLAS.ti

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	no	106	98.1	98.1	98.1
	yes	2	1.9	1.9	100.0
	Total	108	100.0	100.0	

Software Qualtrics

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	no	94	87.0	87.0	87.0
	yes	14	13.0	13.0	100.0
	Total	108	100.0	100.0	

Crosstabs

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Academic Department (coded as number categories) * Method Type	156	100.0%	0	0.0%	156	100.0%
Academic Department (coded as number categories) * Data Type	156	100.0%	0	0.0%	156	100.0%

Academic Department (coded as number categories) * Method Type Crosstabulation

			Method Type			
			Qualitative	Quantitative	Mixed Methods	Total
Academic Department (coded as number categories)	Sociology	Count	4	3	1	8
		% within Academic Department (coded as number categories)	50.0%	37.5%	12.5%	100.0%
	Risk Management	Count	0	1	0	1
		% within Academic Department (coded as number categories)	0.0%	100.0%	0.0%	100.0%
	Public Management and Policy	Count	0	6	0	6
		% within Academic Department (coded as number categories)	0.0%	100.0%	0.0%	100.0%
	Public Health	Count	0	5	0	5
		% within Academic Department (coded as number categories)	0.0%	100.0%	0.0%	100.0%
	Psychology	Count	0	6	1	7
		% within Academic Department (coded as number categories)	0.0%	85.7%	14.3%	100.0%
	Political Science	Count	2	0	3	5
		% within Academic Department (coded as number categories)	40.0%	0.0%	60.0%	100.0%
	Physics and	Count	0	4	0	4

Astronomy	% within Academic Department (coded as number categories)	0.0%	100.0%	0.0%	100.0%
Nursing	Count	0	3	0	3
	% within Academic Department (coded as number categories)	0.0%	100.0%	0.0%	100.0%
Neuroscience Institute	Count	0	5	0	5
	% within Academic Department (coded as number categories)	0.0%	100.0%	0.0%	100.0%
Middle and Secondary Education	Count	13	1	0	14
	% within Academic Department (coded as number categories)	92.9%	7.1%	0.0%	100.0%
Mathematics and Statistics	Count	1	4	0	5
	% within Academic Department (coded as number categories)	20.0%	80.0%	0.0%	100.0%
Marketing	Count	0	4	0	4
	% within Academic Department (coded as number categories)	0.0%	100.0%	0.0%	100.0%
Managerial Sciences	Count	0	1	1	2
	% within Academic Department (coded as number categories)	0.0%	50.0%	50.0%	100.0%
Kinesiology	Count	0	3	0	3
	% within Academic Department (coded as number categories)	0.0%	100.0%	0.0%	100.0%
History	Count	1	0	1	2
	% within Academic Department (coded as number categories)	50.0%	0.0%	50.0%	100.0%
Finance	Count	0	1	0	1
	% within Academic Department (coded as number categories)	0.0%	100.0%	0.0%	100.0%
Film, Media & Theatre	Count	1	0	0	1
	% within Academic Department (coded as number categories)	100.0%	0.0%	0.0%	100.0%
English	Count	0	0	1	1
	% within Academic	0.0%	0.0%	100.0%	100.0%

	Department (coded as number categories)				
Educational Psychology, Special Education, and Communication Disorders	Count	0	1	1	2
	% within Academic Department (coded as number categories)	0.0%	50.0%	50.0%	100.0%
Educational Policy Studies	Count	6	2	1	9
	% within Academic Department (coded as number categories)	66.7%	22.2%	11.1%	100.0%
Economics	Count	0	7	0	7
	% within Academic Department (coded as number categories)	0.0%	100.0%	0.0%	100.0%
Early Childhood and Elementary Education	Count	2	2	1	5
	% within Academic Department (coded as number categories)	40.0%	40.0%	20.0%	100.0%
Criminal Justice	Count	0	3	0	3
	% within Academic Department (coded as number categories)	0.0%	100.0%	0.0%	100.0%
Counseling and Psychological Services	Count	0	1	0	1
	% within Academic Department (coded as number categories)	0.0%	100.0%	0.0%	100.0%
Computer Science	Count	1	3	1	5
	% within Academic Department (coded as number categories)	20.0%	60.0%	20.0%	100.0%
Computer Information Systems	Count	1	2	0	3
	% within Academic Department (coded as number categories)	33.3%	66.7%	0.0%	100.0%
Communication	Count	4	0	0	4
	% within Academic Department (coded as number categories)	100.0%	0.0%	0.0%	100.0%
Chemistry	Count	0	9	0	9
	% within Academic Department (coded as number categories)	0.0%	100.0%	0.0%	100.0%
Business Administration	Count	4	5	2	11
	% within Academic	36.4%	45.5%	18.2%	100.0%

		Department (coded as number categories)				
	Biology	Count	2	12	0	14
		% within Academic Department (coded as number categories)	14.3%	85.7%	0.0%	100.0%
	Applied Linguistics and English as a Second Language	Count	1	2	3	6
		% within Academic Department (coded as number categories)	16.7%	33.3%	50.0%	100.0%
Total		Count	43	96	17	156
		% within Academic Department (coded as number categories)	27.6%	61.5%	10.9%	100.0%

Academic Department (coded as number categories) * Data Type Crosstabulation

			Data Type			
			Primary Data only	Secondary Data only	Both Primary & Secondary Data	Total
Academic Department (coded as number categories)	Sociology	Count	3	4	1	8
		% within Academic Department (coded as number categories)	37.5%	50.0%	12.5%	100.0%
	Risk Management	Count	0	1	0	1
		% within Academic Department (coded as number categories)	0.0%	100.0%	0.0%	100.0%
	Public Management and Policy	Count	0	5	1	6
		% within Academic Department (coded as number categories)	0.0%	83.3%	16.7%	100.0%
	Public Health	Count	1	4	0	5
		% within Academic Department (coded as number categories)	20.0%	80.0%	0.0%	100.0%
	Psychology	Count	3	3	1	7
		% within Academic Department (coded as number categories)	42.9%	42.9%	14.3%	100.0%

		categories)			
Political Science	Count	1	2	2	5
	% within Academic Department (coded as number categories)	20.0%	40.0%	40.0%	100.0%
Physics and Astronomy	Count	4	0	0	4
	% within Academic Department (coded as number categories)	100.0%	0.0%	0.0%	100.0%
Nursing	Count	3	0	0	3
	% within Academic Department (coded as number categories)	100.0%	0.0%	0.0%	100.0%
Neuroscience Institute	Count	5	0	0	5
	% within Academic Department (coded as number categories)	100.0%	0.0%	0.0%	100.0%
Middle and Secondary Education	Count	14	0	0	14
	% within Academic Department (coded as number categories)	100.0%	0.0%	0.0%	100.0%
Mathematics and Statistics	Count	4	1	0	5
	% within Academic Department (coded as number categories)	80.0%	20.0%	0.0%	100.0%
Marketing	Count	3	1	0	4
	% within Academic Department (coded as number categories)	75.0%	25.0%	0.0%	100.0%
Managerial Sciences	Count	2	0	0	2
	% within Academic Department (coded as number categories)	100.0%	0.0%	0.0%	100.0%
Kinesiology	Count	3	0	0	3
	% within Academic Department (coded as number categories)	100.0%	0.0%	0.0%	100.0%

History	Count	1	1	0	2
	% within Academic Department (coded as number categories)	50.0%	50.0%	0.0%	100.0%
Finance	Count	0	1	0	1
	% within Academic Department (coded as number categories)	0.0%	100.0%	0.0%	100.0%
Film, Media & Theatre	Count	1	0	0	1
	% within Academic Department (coded as number categories)	100.0%	0.0%	0.0%	100.0%
English	Count	1	0	0	1
	% within Academic Department (coded as number categories)	100.0%	0.0%	0.0%	100.0%
Educational Psychology, Special Education, and Communication Disorders	Count	2	0	0	2
	% within Academic Department (coded as number categories)	100.0%	0.0%	0.0%	100.0%
Educational Policy Studies	Count	2	1	6	9
	% within Academic Department (coded as number categories)	22.2%	11.1%	66.7%	100.0%
Economics	Count	0	6	1	7
	% within Academic Department (coded as number categories)	0.0%	85.7%	14.3%	100.0%
Early Childhood and Elementary Education	Count	4	0	1	5
	% within Academic Department (coded as number categories)	80.0%	0.0%	20.0%	100.0%
Criminal Justice	Count	0	3	0	3
	% within Academic Department (coded as number categories)	0.0%	100.0%	0.0%	100.0%

	Counseling and Psychological Services	Count	1	0	0	1
		% within Academic Department (coded as number categories)	100.0%	0.0%	0.0%	100.0%
	Computer Science	Count	2	1	2	5
		% within Academic Department (coded as number categories)	40.0%	20.0%	40.0%	100.0%
	Computer Information Systems	Count	1	1	1	3
		% within Academic Department (coded as number categories)	33.3%	33.3%	33.3%	100.0%
	Communication	Count	1	3	0	4
		% within Academic Department (coded as number categories)	25.0%	75.0%	0.0%	100.0%
	Chemistry	Count	7	0	2	9
		% within Academic Department (coded as number categories)	77.8%	0.0%	22.2%	100.0%
	Business Administration	Count	6	5	0	11
		% within Academic Department (coded as number categories)	54.5%	45.5%	0.0%	100.0%
	Biology	Count	14	0	0	14
		% within Academic Department (coded as number categories)	100.0%	0.0%	0.0%	100.0%
	Applied Linguistics and English as a Second Language	Count	5	1	0	6
		% within Academic Department (coded as number categories)	83.3%	16.7%	0.0%	100.0%
Total		Count	94	44	18	156
		% within Academic Department (coded as number categories)	60.3%	28.2%	11.5%	100.0%

Crosstabs

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Academic Fields (coded as number categories) * Method Type	156	100.0%	0	0.0%	156	100.0%
Academic Fields (coded as number categories) * Data Type	156	100.0%	0	0.0%	156	100.0%

Academic Fields (coded as number categories) * Method Type Crosstabulation

			Method Type			Total
			Qualitative	Quantitative	Mixed Methods	
Academic Fields (coded as number categories)	Business	Count	5	14	3	22
		% within Academic Fields (coded as number categories)	22.7%	63.6%	13.6%	100.0%
	Physical Sciences & Math	Count	4	37	1	42
		% within Academic Fields (coded as number categories)	9.5%	88.1%	2.4%	100.0%
	Education	Count	21	10	3	34
		% within Academic Fields (coded as number categories)	61.8%	29.4%	8.8%	100.0%
	Health Science	Count	0	8	0	8
		% within Academic Fields (coded as number categories)	0.0%	100.0%	0.0%	100.0%
	Social Sciences	Count	11	27	8	46
		% within Academic Fields (coded as number categories)	23.9%	58.7%	17.4%	100.0%
	Humanities	Count	2	0	2	4
		% within Academic Fields (coded as number categories)	50.0%	0.0%	50.0%	100.0%
Total		Count	43	96	17	156
		% within Academic Fields (coded as number categories)	27.6%	61.5%	10.9%	100.0%

Academic Fields (coded as number categories) * Data Type Crosstabulation

			Data Type			
			Primary Data only	Secondary Data only	Both Primary & Secondary Data	Total
Academic Fields (coded as number categories)	Business	Count	12	9	1	22
		% within Academic Fields (coded as number categories)	54.5%	40.9%	4.5%	100.0%
	Physical Sciences & Math	Count	36	2	4	42
		% within Academic Fields (coded as number categories)	85.7%	4.8%	9.5%	100.0%
	Education	Count	26	1	7	34
		% within Academic Fields (coded as number categories)	76.5%	2.9%	20.6%	100.0%
	Health Science	Count	4	4	0	8
		% within Academic Fields (coded as number categories)	50.0%	50.0%	0.0%	100.0%
	Social Sciences	Count	13	27	6	46
		% within Academic Fields (coded as number categories)	28.3%	58.7%	13.0%	100.0%
	Humanities	Count	3	1	0	4
		% within Academic Fields (coded as number categories)	75.0%	25.0%	0.0%	100.0%
Total		Count	94	44	18	156
		% within Academic Fields (coded as number categories)	60.3%	28.2%	11.5%	100.0%

Crosstabs

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Method Type * Academic Fields (coded as number categories)	156	100.0%	0	0.0%	156	100.0%

Method Type * Academic Fields (coded as number categories) Crosstabulation

			Academic Fields (coded as number categories)						
			Business	Physical Sciences & Math	Education	Health Science	Social Sciences	Humanities	Total
Method Type	Qualitative	Count	5	4	21	0	11	2	43
		Expected Count	6.1	11.6	9.4	2.2	12.7	1.1	43.0
		Standardized Residual	-.4	-2.2	3.8	-1.5	-.5	.9	
	Quantitative	Count	14	37	10	8	27	0	96
		Expected Count	13.5	25.8	20.9	4.9	28.3	2.5	96.0
		Standardized Residual	.1	2.2	-2.4	1.4	-.2	-1.6	
	Mixed Methods	Count	3	1	3	0	8	2	17
		Expected Count	2.4	4.6	3.7	.9	5.0	.4	17.0
		Standardized Residual	.4	-1.7	-.4	-.9	1.3	2.4	
Total		Count	22	42	34	8	46	4	156
		Expected Count	22.0	42.0	34.0	8.0	46.0	4.0	156.0

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	49.054[a]	10	<.001
Likelihood Ratio	51.256	10	<.001
Linear-by-Linear Association	.224	1	.636
N of Valid Cases	156		

a. 9 cells (50.0%) have expected count less than 5. The minimum expected count is .44.

Symmetric Measures

		Value	Approximate Significance
Nominal by Nominal	Phi	.561	<.001
	Cramer's V	.397	<.001
N of Valid Cases		156	

Crosstabs

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Data Type * Academic Fields (coded as number categories)	156	100.0%	0	0.0%	156	100.0%

Data Type * Academic Fields (coded as number categories) Crosstabulation

			Academic Fields (coded as number categories)						
			Business	Physical Sciences & Math	Education	Health Science	Social Sciences	Humanities	Total
Data Type	Primary Data only	Count	12	36	26	4	13	3	94
		Expected Count	13.3	25.3	20.5	4.8	27.7	2.4	94.0
		Standardized Residual	-.3	2.1	1.2	-.4	-2.8	.4	
	Secondary Data only	Count	9	2	1	4	27	1	44
		Expected Count	6.2	11.8	9.6	2.3	13.0	1.1	44.0
		Standardized Residual	1.1	-2.9	-2.8	1.2	3.9	-.1	
	Both Primary & Secondary Data	Count	1	4	7	0	6	0	18
		Expected Count	2.5	4.8	3.9	.9	5.3	.5	18.0
		Standardized Residual	-1.0	-.4	1.6	-1.0	.3	-.7	
Total		Count	22	42	34	8	46	4	156
		Expected Count	22.0	42.0	34.0	8.0	46.0	4.0	156.0

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	52.848[a]	10	<.001
Likelihood Ratio	60.660	10	<.001
Linear-by-Linear Association	9.198	1	.002

N of Valid Cases	156	

a. 9 cells (50.0%) have expected count less than 5. The minimum expected count is .46.

Symmetric Measures

		Value	Approximate Significance
Nominal by Nominal	Phi	.582	<.001
	Cramer's V	.412	<.001
N of Valid Cases		156	