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# Right/Left Hemisphere Lateralization: Correlation Between Individual Differences in Subjective Wellbeing, Happiness, Life Satisfaction, Success, Personality and Thinking Styles

Wallat M. Baban

*University of Missouri-St. Louis*, [WBGWC@mail.umsl.edu](mailto:WBGWC@mail.umsl.edu)

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# Right/Left Hemisphere Lateralization: Correlation between Individual Differences in Subjective Wellbeing, Happiness, Life Satisfaction, Success, Personality, and Thinking styles.

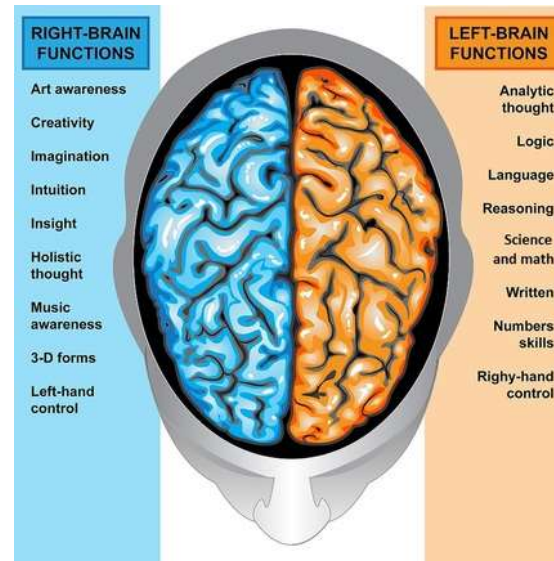


Wallat Baban Mentor: Dr. Siciliani, PhD  
University of Missouri – St. Louis, St. Louis, MO 63121

## Introduction

There has been a popularization in society of the Right hemisphere of the brain being responsible for creativity, and the Left hemisphere being responsible for logical and analytical thinking. It is not fully understood whether there is an underlying, neuroscientific basis to these claims or if such claims can be rendered factual. The right and left hemispheres do possess specialization. Other studies have shown that there is a correlation between hemispheric dominance and the emotional intelligence in college students, which was correlated to a student's academic success according to their score in emotional intelligence (Margaret & Lavanya 2017). This study used a retrospective design, where I hypothesized that individual differences in Subjective Well being, Happiness, Life Satisfaction, Success, Personality, and Thinking styles in college students, would be accounted for in differing hemispheric lateralization for each participant. This study showed that there might be a strong correlation between brain lateralization and Thinking styles, Personality, and Happiness, and slight correlations for Subjective Well-Being, Life Satisfaction, and Success.

Figure 1



## Results:

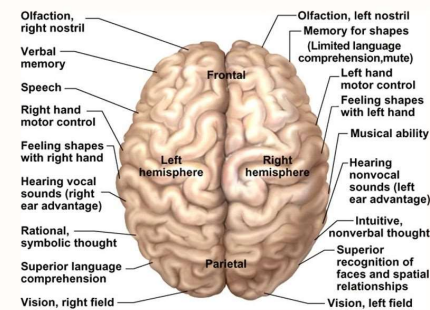
•The results of this study showed that there is a significant correlation between right brain lateralization, and more creative or emotion based tasks, shown to have more Happiness, Life satisfaction, and that these individuals made for empathetic and charismatic people

•Additionally, those with left-brained lateralization were portrayed to be more analytical and reflective individuals, shown to have close to or less than average Subjective well being, Happiness, and Life Satisfaction, that these individuals made for more critical and individual leaders.

## Methods:

- Conducted an analysis or current research studies that have shown significant correlations between brain lateralization and Thinking styles and Personality.
- Further analyses of data to understand neuroscientific basis for brain lateralization in Happiness, Subjective Well Being, Life Satisfaction and Success

## Lateralization of Cerebral Functions



## Conclusions:

- Implications of this research, include:
  - Further improvement in employee selection, especially programming AI technologies for the future
  - Advanced individualized education programs based on each students learning ability, personality, and studied variables.
  - Future research studies will look to analyze student from Kindergarten to College, and see what are the more underlying, neurological differences between successful and unsuccessful individuals, in these variables as well.