

## **Abstract**

**Research Project:** A Cluster Analysis of Domain Specific Self-Efficacy in College Students

**Student:** Raymond Caridi

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**College:** Teachers College

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The purpose of the current study is to examine the relationship between several different domains of self-efficacy and participants' demographic information, as well as their overall well-being. K-means cluster analysis was used in order to organize the data for different domains of self-efficacy into clusters. These clusters measured each domain's relationship to itself and other variables that were measured and analyzed from the dataset. When the data for each respective domain of self-efficacy was organized into an optimal number of clusters, an ANOVA found that the clusters in each domain were significantly different from one another, implying that the cluster analysis worked successfully. A MANOVA run to examine any relationships between demographic information and the clusters created previously found no significant relationships between these clusters and the demographic information from the dataset. A MANOVA did find that there is a moderate relationship between the clusters and well-being of participants in the study.