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D212 Data Mining II – Task 2 Western Governor’s University

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# Part I: Research Question

## Define PCA Research Question

## Define PCA Goal

# Part II: Method Justification

## Explain PCA analysis and expected outcomes

## Summarize one assumption of PCA

# Part III: Data Preparation

## Identify continuous dataset variables to answer research question

## Standardize continuous dataset variables

# Part IV: Analysis

## Determine matrix of all principal components

## Identify the total number of principal components using elbow rule

## Identify variance of each principal component

## Identify total variance captured by the chosen principal components

## Summarize results of analysis

# Part V: Attachments

## Code citations

## Bibliography