ANA 515 Assignment 2

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The data I am reviewing explores a multitude of different statistics around different college majors and associated employment rates. It also includes a breakdown of gender split, major category, job received post school completion, and unemployment rate associated with each major. All data is stated as being from “American Community Survey 2010-2012 Public Use Microdata Series.” All data is stored in csv formatting with the rows representing a major each and the columns being the different data points assoiated. Using this information, I’d like to review if there are any majors (or major categories) that have a very high gender inequality. I would also be interested to see how college major affects employment rate (looking at both highest employment compared to lowest employment).

This dataframe has 173 rows and 21 columns. The names of the columns and a brief description of some examples are in the table below:

text\_tbl <- data.frame( Names = c("Major\_category","Percent\_Female","Unemployment\_rate"), Description = c("Major category attached per Carnevale et a","Percent of graduates that are female for the associated major","Rate of unemployment based on the number unemployed divided by the total") )   
text\_tbl1<-data.frame(text\_tbl$Names, text\_tbl$Description)  
text\_tbl1

## text\_tbl.Names  
## 1 Major\_category  
## 2 Percent\_Female  
## 3 Unemployment\_rate  
## text\_tbl.Description  
## 1 Major category attached per Carnevale et a  
## 2 Percent of graduates that are female for the associated major  
## 3 Rate of unemployment based on the number unemployed divided by the total

Summarytable<-summary(grad\_subset, exclude=r(""," ")) #attempt to remove blanks from individual lines for food science major, etc  
print(Summarytable)

## Total Percent\_Female Unemployment\_rate  
## Min. : 124 Min. :0.0000 Min. :0.00000   
## 1st Qu.: 4550 1st Qu.:0.3360 1st Qu.:0.05031   
## Median : 15104 Median :0.5340 Median :0.06796   
## Mean : 39370 Mean :0.5222 Mean :0.06819   
## 3rd Qu.: 38910 3rd Qu.:0.7033 3rd Qu.:0.08756   
## Max. :393735 Max. :0.9690 Max. :0.17723   
## NA's :1 NA's :1