Week-9 Submission

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What is the topic that you have finalized?

This project aims to assess gender inequality in India by comparing female and male labor force participation rates and education levels, shedding light on disparities in economic and educational opportunities.

What are the data sources that you have curated so far?

I have attached the data set I curated in the csv file below.

```r
# Read data from CSV file

data <- read.csv("/Users/jaren/Desktop/nm2207data.csv")

head(data)  # View the first few rows
```

```
##   Year Proportion.of.Female.Working.age.Population.With.Basic.Education
## 1 1994                                                            18.01
## 2 2000                                                            19.51
## 3 2005                                                            22.68
## 4 2010                                                            23.28
## 5 2012                                                            22.02
## 6 2018                                                            16.65
##   Proportion.of.Female.Working.age.Population.With.Intermediate.Education
## 1                                                                   18.13
## 2                                                                   14.98
## 3                                                                   23.27
## 4                                                                   17.20
## 5                                                                   16.67
## 6                                                                   14.11
##   Proportion.of.Female.Working.age.Population.With.Advanced.Education
## 1                                                               36.24
## 2                                                               32.43
## 3                                                               35.23
## 4                                                               30.66
## 5                                                               32.53
## 6                                                               31.85
##   Female.Labour.Force.Participation.Rate Male.Labour.Force.Participation.Rate
## 1                                  28.21                                78.87
## 2                                  30.69                                82.81
## 3                                  30.34                                78.30
## 4                                  28.90                                79.63
```

```
## 5                                                        27.25                                          78.86
## 6                                                        20.75                                          73.86
##   Proportion.of.Male.Working.age.Population.With.Basic.Education
## 1                                                          74.19
## 2                                                          78.43
## 3                                                          75.65
## 4                                                          78.04
## 5                                                          76.32
## 6                                                          74.01
##   Proportion.of.Male.Working.age.Population.With.Intermediate.Education
## 1                                                                 65.96
## 2                                                                 69.29
## 3                                                                 69.77
## 4                                                                 64.26
## 5                                                                 63.67
## 6                                                                 60.36
##   X..of.Male.Working.age.Population.With.Advanced.Education
## 1                                                     85.99
## 2                                                     86.73
## 3                                                     84.87
## 4                                                     82.48
## 5                                                     83.30
## 6                                                     80.84
```

```r
summary(data)
```

```
##       Year
##  Min.   :1994
##  1st Qu.:2005
##  Median :2012
##  Mean   :2011
##  3rd Qu.:2019
##  Max.   :2021
##  Proportion.of.Female.Working.age.Population.With.Basic.Education
##  Min.   :16.65
##  1st Qu.:19.51
##  Median :22.02
##  Mean   :20.76
##  3rd Qu.:22.68
##  Max.   :23.28
##  Proportion.of.Female.Working.age.Population.With.Intermediate.Education
##  Min.   :14.11
##  1st Qu.:15.68
##  Median :16.67
##  Mean   :17.11
##  3rd Qu.:17.62
##  Max.   :23.27
##  Proportion.of.Female.Working.age.Population.With.Advanced.Education
##  Min.   :30.66
##  1st Qu.:32.43
##  Median :32.90
##  Mean   :33.27
##  3rd Qu.:34.45
##  Max.   :36.24
```

```
##  Female.Labour.Force.Participation.Rate Male.Labour.Force.Participation.Rate
##  Min.   :20.75                          Min.   :73.86
##  1st Qu.:26.17                          1st Qu.:74.56
##  Median :27.25                          Median :78.30
##  Mean   :27.04                          Mean   :77.36
##  3rd Qu.:28.90                          3rd Qu.:78.87
##  Max.   :30.69                          Max.   :82.81
##  Proportion.of.Male.Working.age.Population.With.Basic.Education
##  Min.   :74.01
##  1st Qu.:74.54
##  Median :75.65
##  Mean   :75.74
##  3rd Qu.:76.32
##  Max.   :78.43
##  Proportion.of.Male.Working.age.Population.With.Intermediate.Education
##  Min.   :60.36
##  1st Qu.:62.24
##  Median :63.67
##  Mean   :64.46
##  3rd Qu.:65.96
##  Max.   :69.77
##  X..of.Male.Working.age.Population.With.Advanced.Education
##  Min.   :80.84
##  1st Qu.:81.93
##  Median :83.30
##  Mean   :83.50
##  3rd Qu.:84.87
##  Max.   :86.73
```