

# Lab1

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## Data Set: Swiss

```
summary(swiss)
```

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##      Fertility      Agriculture      Examination      Education
##  Min.   :35.00    Min.    : 1.20    Min.     : 3.00    Min.     : 1.00
## 1st Qu.:64.70    1st Qu.:35.90    1st Qu.:12.00    1st Qu.: 6.00
## Median :70.40    Median :54.10    Median :16.00    Median : 8.00
## Mean   :70.14    Mean   :50.66    Mean   :16.49    Mean   :10.98
## 3rd Qu.:78.45    3rd Qu.:67.65    3rd Qu.:22.00    3rd Qu.:12.00
## Max.   :92.50    Max.    :89.70    Max.    :37.00    Max.    :53.00
##      Catholic      Infant.Mortality
##  Min.    : 2.150    Min.     :10.80
## 1st Qu.: 5.195    1st Qu.:18.15
## Median :15.140    Median :20.00
## Mean   :41.144    Mean     :19.94
## 3rd Qu.:93.125    3rd Qu.:21.70
## Max.   :100.000    Max.     :26.60
```

## Please describe the data here

The data contains the main summary stats of 6 columns from the Swiss Fertility and Socioeconomic Indicators from the year 1888. Fertility of Swiss Citizens range from 35.00 lg to 92.50 lg with an average of 70.14 lg.

Percentage of Swiss MEN involved in Agriculture (I'm assuming from different provinces) ranges from 1.20% to 89.20% with an average of 50.66%. The lower end could be a province in the Alps where ground fertility is poor. Upper end could be a province in a valley or a province without mountains where ground fertility is richer.

Examination of MEN receiving highest marks in the army in each province range from 3.00% to 37.00% with an average of 16.49% of all men receiving the highest marks in the army examination.

Percentage of Swiss citizens educated ranged from 1.00% to 53.00% with an average of 10.98%.

Percentage of Swiss citizens who were catholic ranged from 2.15% to 100% with an average of 41.144% of all swiss citizens being catholic. Provinces with a very low rate were likely closer to German territories where at the current time were likely controlled by Lutherans. Areas of the greatest percentage were likely closer to France, where catholicism ruled for far longer than in German provinces.

Number of Infant deaths per year in each province range from 10.80 to 26.60 with an average of 19.94 infant mortailitys during the year.