# Statistical Inference Course Project Part 2

## Sarthak

```
# loading the required libraries
library(ggplot2)
library(dplyr)
```

# Basic Inferential Data Analysis

#### 1. Overview

In this analysis, the ToothGrowth data will be analyzed, which can be found in the R datasets package. This data set contains data on the effects of Vitamin C on the growth of teeth in guinea pigs. Two vitamin C supplements are used, with varying dose levels.

### 2. Loading the Dataset and performing EDA

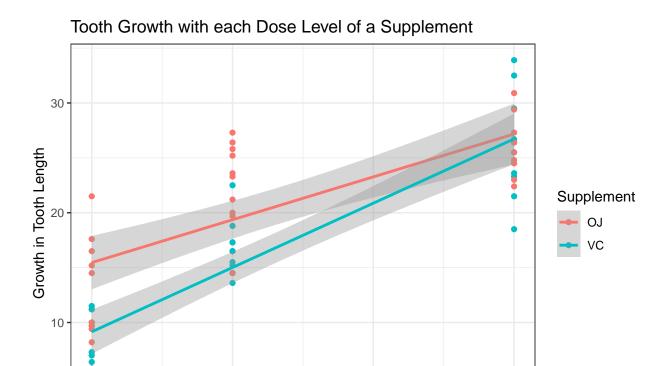
The ToothGrowth data set has to be loaded from the datasets package in R.

```
# loading the datasets package
library(datasets)

# loading the ToothGrowth data set
data("ToothGrowth")
```

Next, a plot will be created showing the trends in tooth-growth with respect to each supplement

```
## 'geom_smooth()' using formula 'y ~ x'
```



1.5

2.0

0.5

1.0

Dose Level