

ToothGrowth Data Analysis

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Data Loading & Basic Exploratory Analysis

Load & simple analysis here.

```
# chunk 1 code
library(datasets)
data(ToothGrowth)

str(ToothGrowth)

## 'data.frame': 60 obs. of 3 variables:
## $ len : num 4.2 11.5 7.3 5.8 6.4 10 11.2 11.2 5.2 7 ...
## $ supp: Factor w/ 2 levels "OJ","VC": 2 2 2 2 2 2 2 2 2 2 ...
## $ dose: num 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 ...

head(ToothGrowth, 5)

##      len supp dose
## 1  4.2   VC  0.5
## 2 11.5   VC  0.5
## 3  7.3   VC  0.5
## 4  5.8   VC  0.5
## 5  6.4   VC  0.5

summary(ToothGrowth)

##      len      supp      dose
## Min.   : 4.20   OJ:30   Min.    :0.500
## 1st Qu.:13.07   VC:30   1st Qu.:0.500
## Median :19.25           Median :1.000
## Mean   :18.81           Mean    :1.167
## 3rd Qu.:25.27           3rd Qu.:2.000
## Max.   :33.90           Max.    :2.000
```

Basic Summary of ToothGrowth Data

Short summary of the data

```
# chunk 2 code
2+2

## [1] 4

x <- 2+1
```

Tooth Growth Comparison By Supp And Dose

Use confidence intervals and/or hypothesis tests to compare tooth growth by supp and dose.

```
# chunk 3 code  
y <- x + 4
```

Conclusions

State conclusions, assumptions.