

Statistical Inference Project Part 1

Damien Edwards

January 22, 2015

This is an analysis of the ToothGrowth data in the R datasets package. The analysis will provide a basic summary of the data and use confidence intervals and/or hypothesis tests to compare tooth growth by supp and dose.

Summary of ToothGrowth dataset

```
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

Histogram of ToothGrowth Dose

Histogram of Tooth Growth dose

