day_6_nov_4_2016_occupancy_anova

Doing some simple simple ANOVA today.

```
(fit <- aov(CO2 ~ Occupancy, data=df))
summary(fit)
```

Well we see a really high F value, so prob can safely reject the null that CO2 is the same for both occupied and not occupied.

We also see that there a lot of residuals.

```
library(gplots)
```

```
## Warning: package 'gplots' was built under R version 3.2.4
```

```
##
## Attaching package: 'gplots'
##
## The following object is masked from 'package:stats':
##
##     lowess
```

```
occ <- factor(df$Occupancy)
plotmeans(df$CO2~occ,xlab="Office Occupancy",
  ylab="CO2 Measurement", main="CO2 vs Occupancy")
```

```
## Warning in arrows(x, li, x, pmax(y - gap, li), col = barcol, lwd = lwd, :
## zero-length arrow is of indeterminate angle and so skipped
```

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## Warning in arrows(x, li, x, pmax(y - gap, li), col = barcol, lwd = lwd, :
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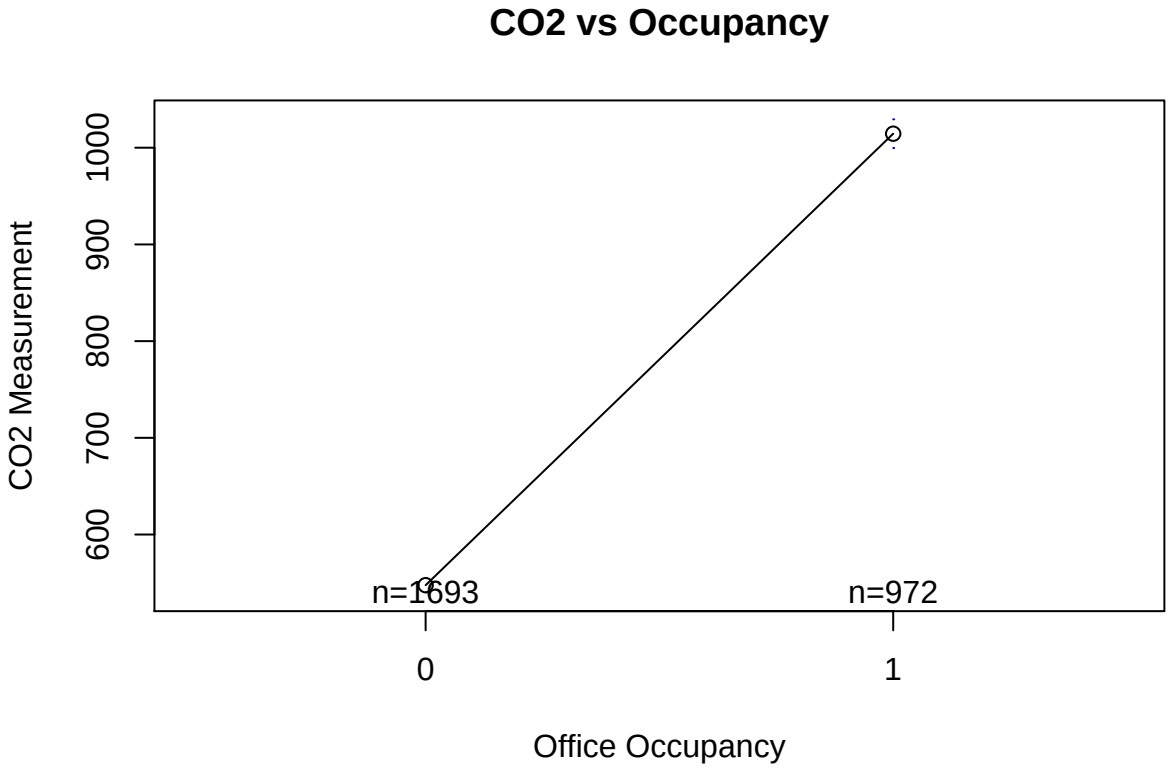
```

```
## Warning in arrows(x, ui, x, pmin(y + gap, ui), col = barcol, lwd = lwd, :
## zero-length arrow is of indeterminate angle and so skipped
```

```
## Warning in arrows(x, ui, x, pmin(y + gap, ui), col = barcol, lwd = lwd, :
## zero-length arrow is of indeterminate angle and so skipped
```


CO2 vs Occupancy
CO2 Measurement
600
700
800
900
1000
n=1693
n=972
0
1
Office Occupancy