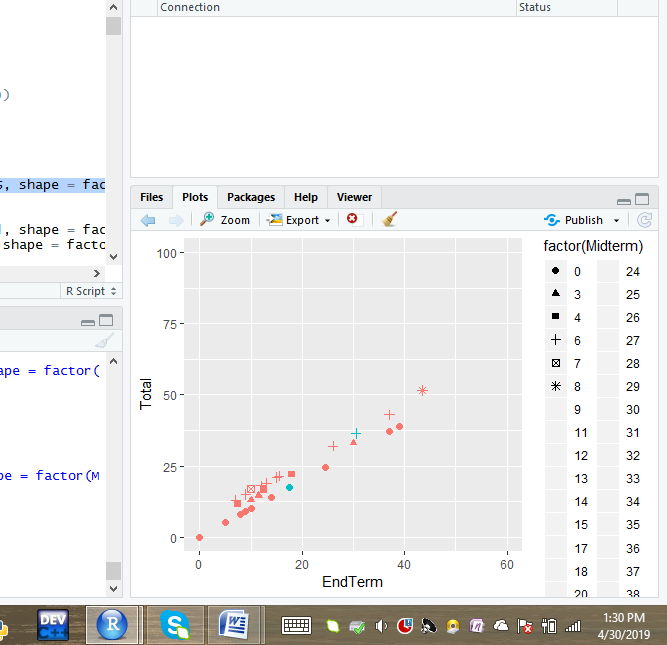
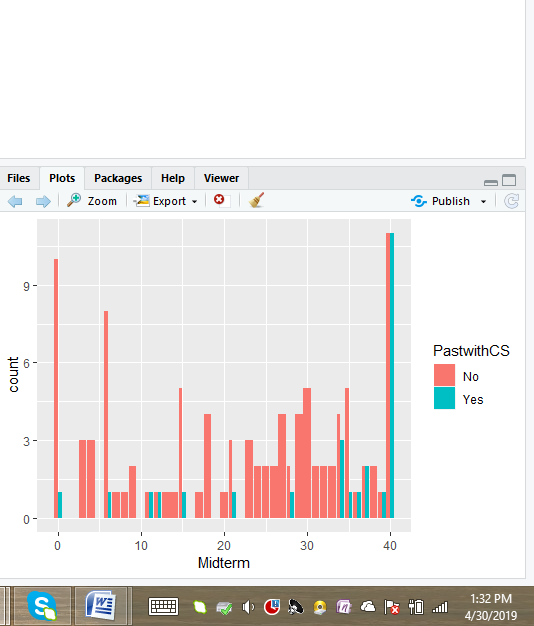
1. ggplot(data = new) + geom\_point(aes(x = EndTerm, y = Total, color = PastwithCS, shape = factor(Midterm)), size = 2)

# LINEAR MODEL



2. ggplot(data = new) + geom\_bar(mapping = aes(x = Midterm, fill = PastwithCS), position = "dodge

#NO MODEL FITS HERE



3. p <- ggplot(data = new, mapping = aes(x=Helpful, y=Midterm)) + geom\_point(size=1)

p <- p + geom\_smooth(method="loess", se=FALSE, span=1/10)

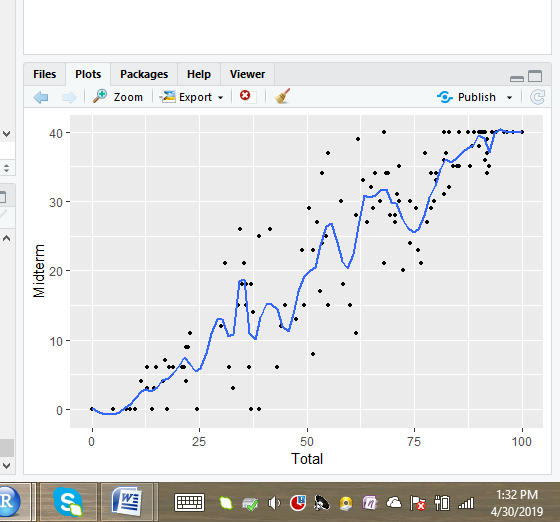
print(p)

p <- ggplot(data = new, mapping = aes(x=Total, y=Midterm)) + geom\_point(size=1)

p <- p + geom\_smooth(method="loess", se=FALSE, span=1/10)

print(p)

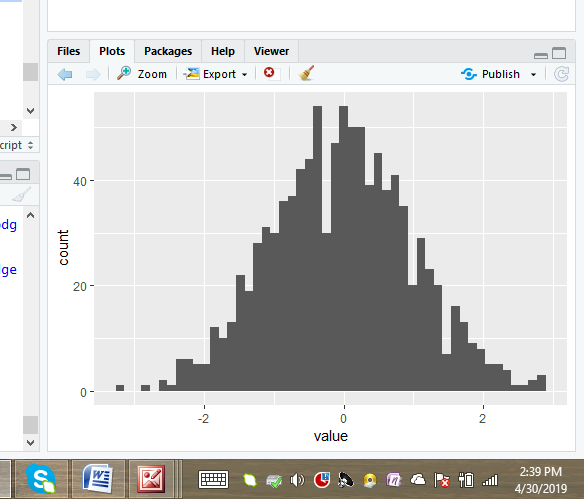
#LINEAR MODEL(TO SOME EXTENT)



4. data.frame(value = c(NA, NA, NA, rnorm(1000,0,1))) %>% ggplot() +

geom\_histogram(mapping = aes(x = value), bins = 50)

#QUADRATIC MODEL FITS HERE



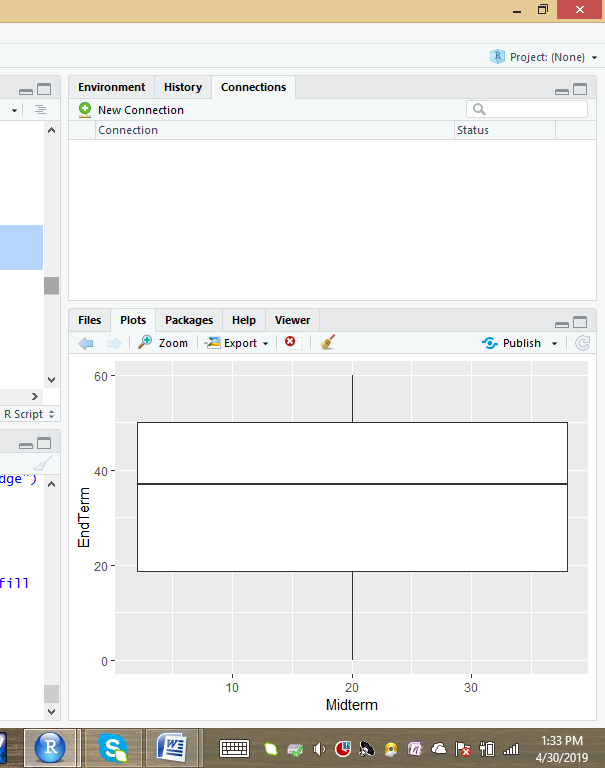
5. ggplot(data = new, mapping = aes(x = Total, y = PastwithCS, color = EndTerm)) +

geom\_count()

ggplot(data = new, aes(x = Midterm, y = EndTerm, colour = )) +

geom\_boxplot()

#NO MODEL FITS HERE



6.ggplot(data = new, mapping = aes(x =Total, y = Helpful)) +geom\_point() + geom\_abline() + coord\_fixed()

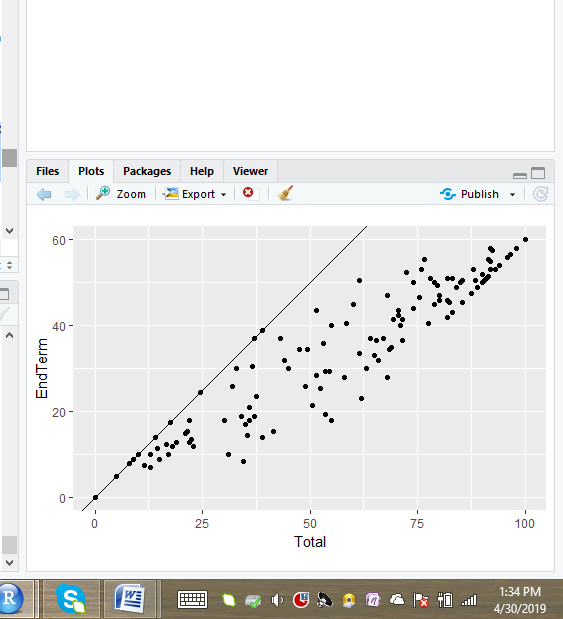
ggplot(data = new, mapping = aes(x =Total, y = EndTerm)) +

geom\_point() +

geom\_abline() +

coord\_fixed()

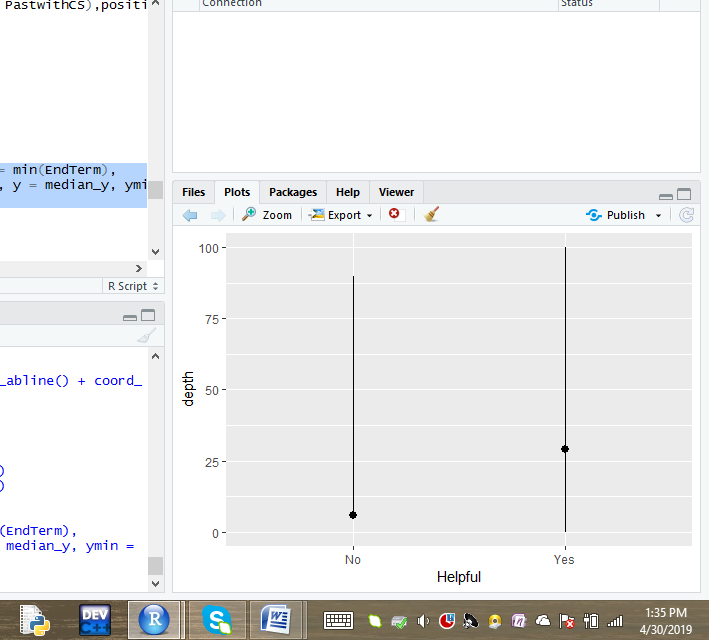
#LINEAR MODEL FITS HERE



7.new %>% group\_by(Helpful) %>% summarize(median\_y = median(Midterm),min\_y = min(EndTerm),

max\_y = max(Total)) %>%ggplot() +geom\_pointrange(mapping = aes(x =Helpful, y = median\_y, ymin = min\_y, ymax = max\_y)) +labs(y = 'depth')

#MODEL PARALLEL TO Y AXIS(Y=MX+C)

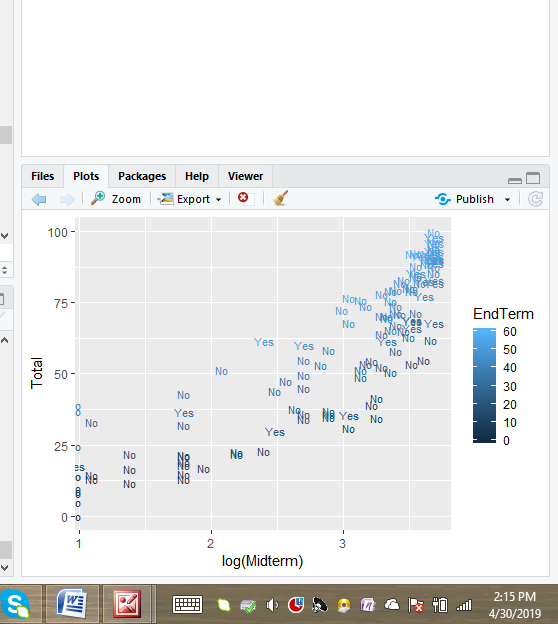


8. ggplot(data=new, mapping = aes(x=log(Midterm),y=Total, color=EndTerm)) + geom\_text(aes(label=Helpful), size = 3)

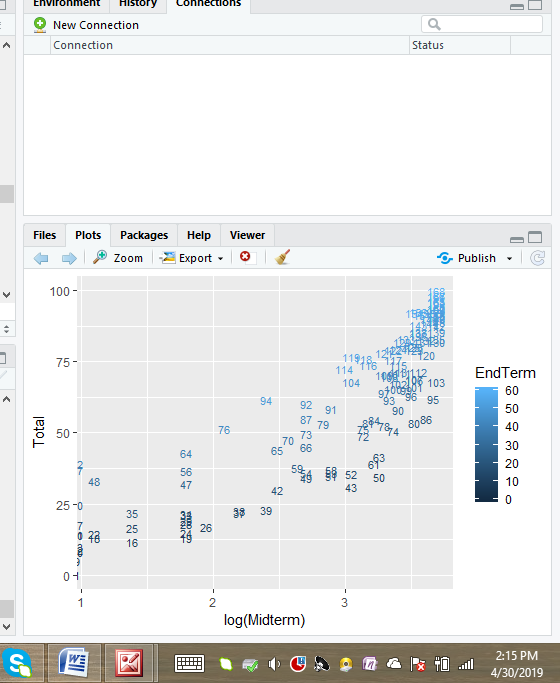
ggplot(data=new, mapping = aes(x=log(Midterm),y=Total, color=EndTerm)) + geom\_text(aes(label=Serial), size = 3)

ggplot(data=new, mapping = aes(x=log(Midterm),y=Total, color=EndTerm)) + geom\_text(aes(label=PastwithCS), size = 3)

#EXPONENTIAL MODEL

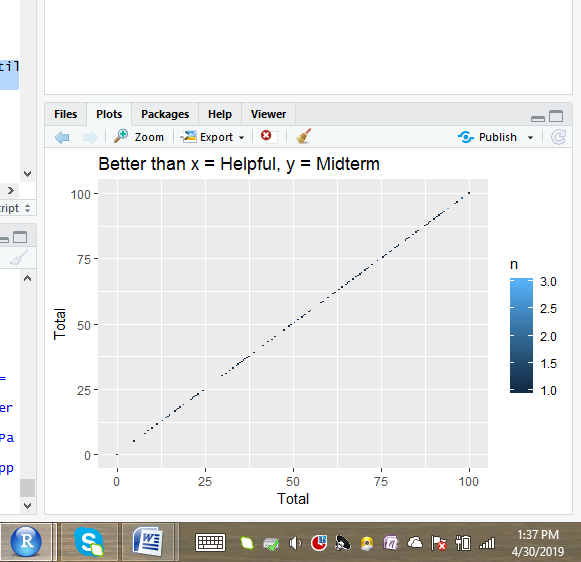


#EXPONENTIAL MODEL



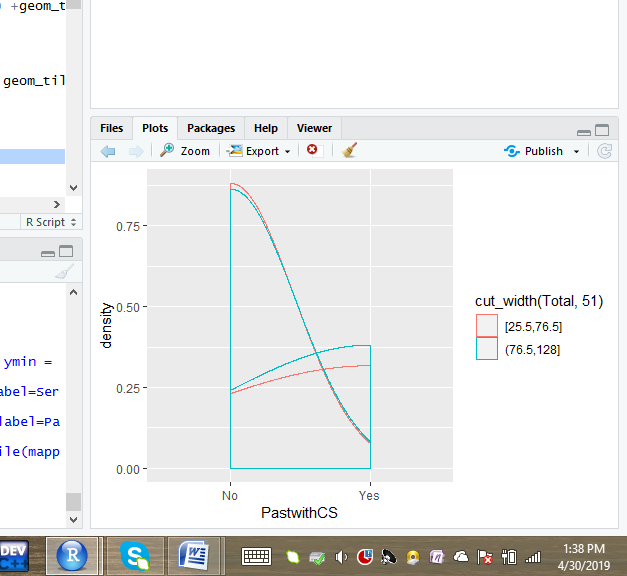
9. new%>% count(Total, EndTerm) %>% ggplot(mapping = aes(x = Total, y = Total)) + geom\_tile(mapping = aes(fill = n)) +labs(title = "Better than x = Helpful, y = Midterm")

#LINEAR MODEL



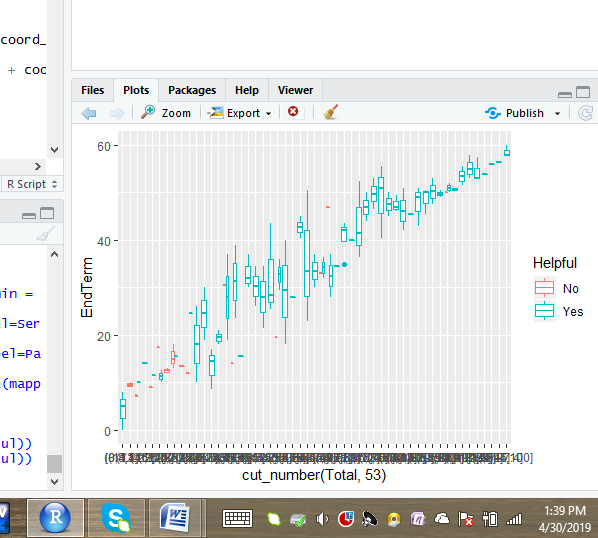
10 . new %>% filter(Midterm>20 ) %>% ggplot(aes(x = PastwithCS)) + geom\_density(aes(color = cut\_width(Total, 51)))

#NO MODEL FITS HERE



11. new %>% ggplot() + geom\_boxplot(aes(x = cut\_number(Total, 53), y = EndTerm, color = Helpful))

#LOGARITHMIC MODEL



12 . ggplot(data = new) +

geom\_smooth(mapping = aes(x = Total, y = EndTerm, colour = Helpful),show.legend = FALSE )

# LINEAR MODEL FITS HERE

