

CSCI946 Assignment

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1 Problem 1

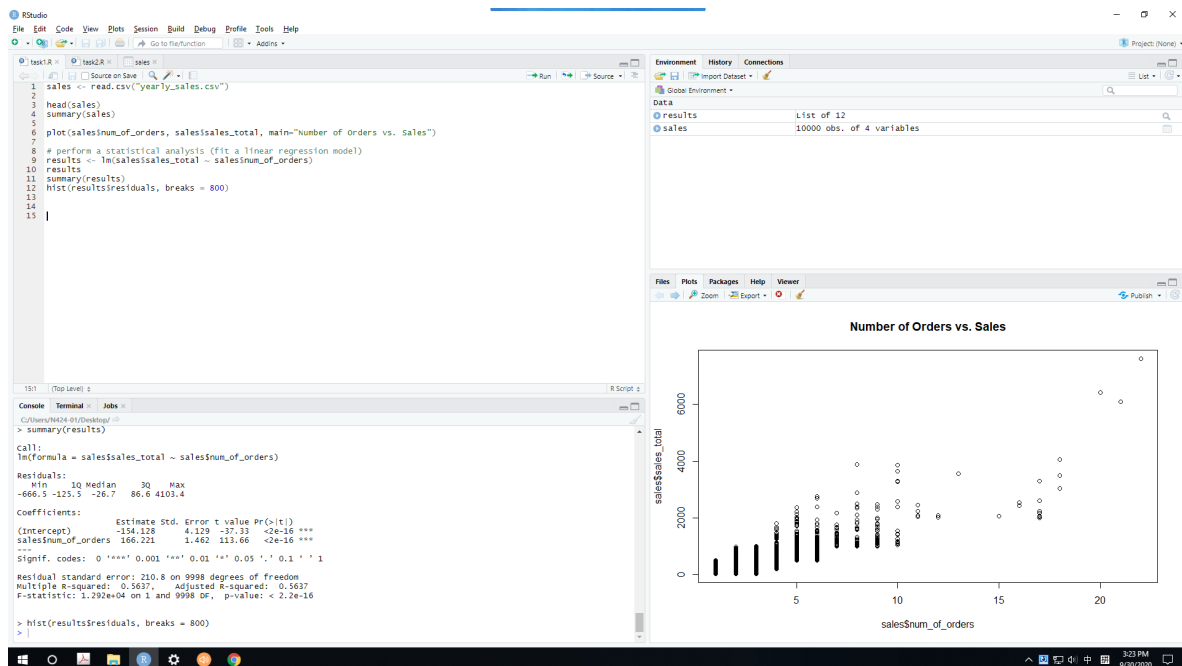
```
sales <- read.csv("yearly_sales.csv")

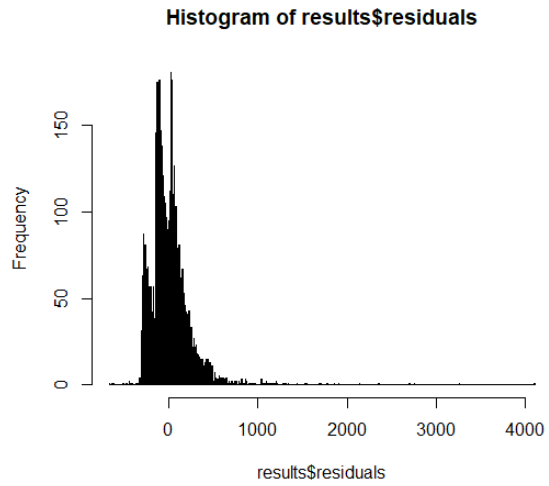
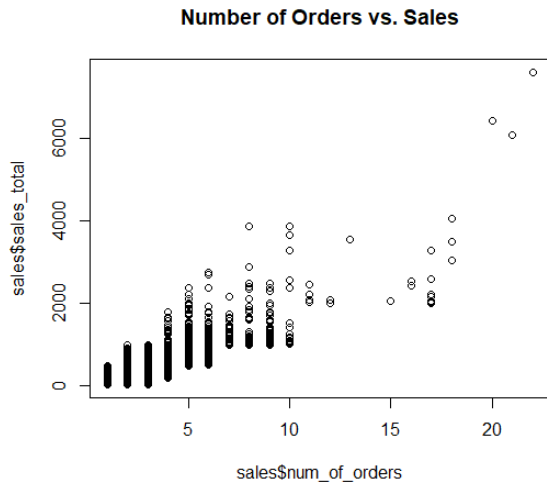
head(sales)
summary(sales)

plot(sales$num_of_orders, sales$sales_total, main="Number of Orders vs. Sales")

results <- lm(sales$sales_total ~ sales$num_of_orders)
results
summary(results)
hist(results$residuals, breaks = 800)
```

1.1 Output





2 Problem 2

```

sales <- read.csv("yearly_sales.csv")

sales$per_order <- sales$sales_total/sales$num_of_orders

write.table(sales, "sales_modified.txt", sep="\t", row.names = FALSE)

jpeg(file="sales_hist.jpeg")

hist(sales$num_of_orders)

dev.off()

getwd()

list.files()

View(sales)

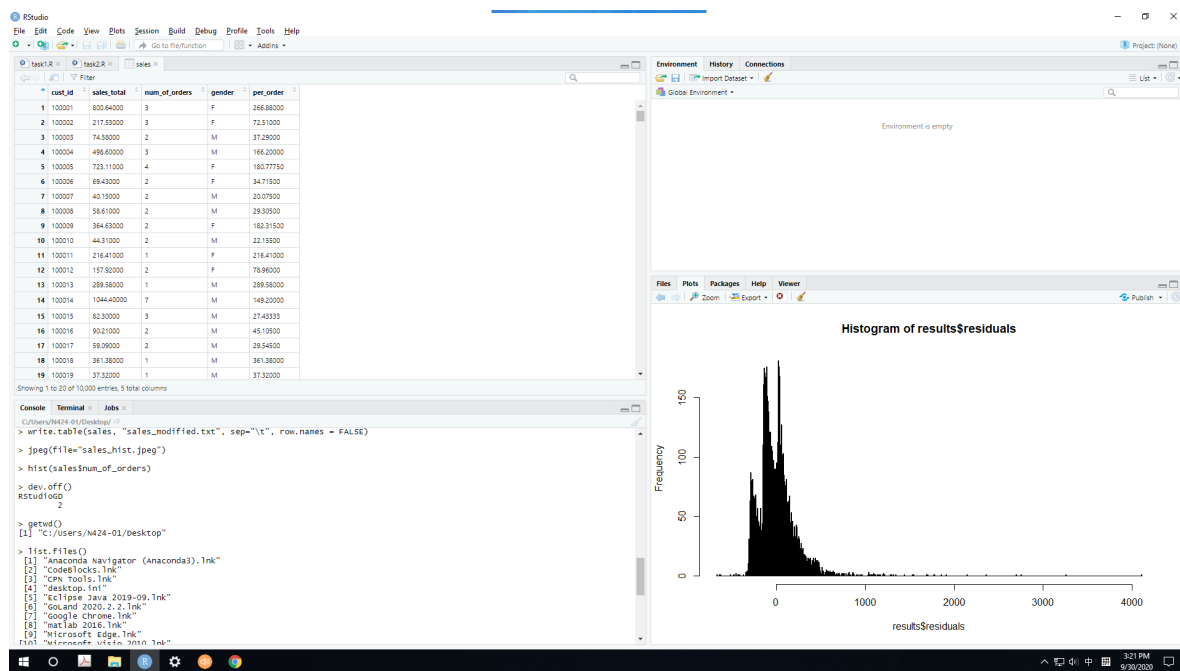
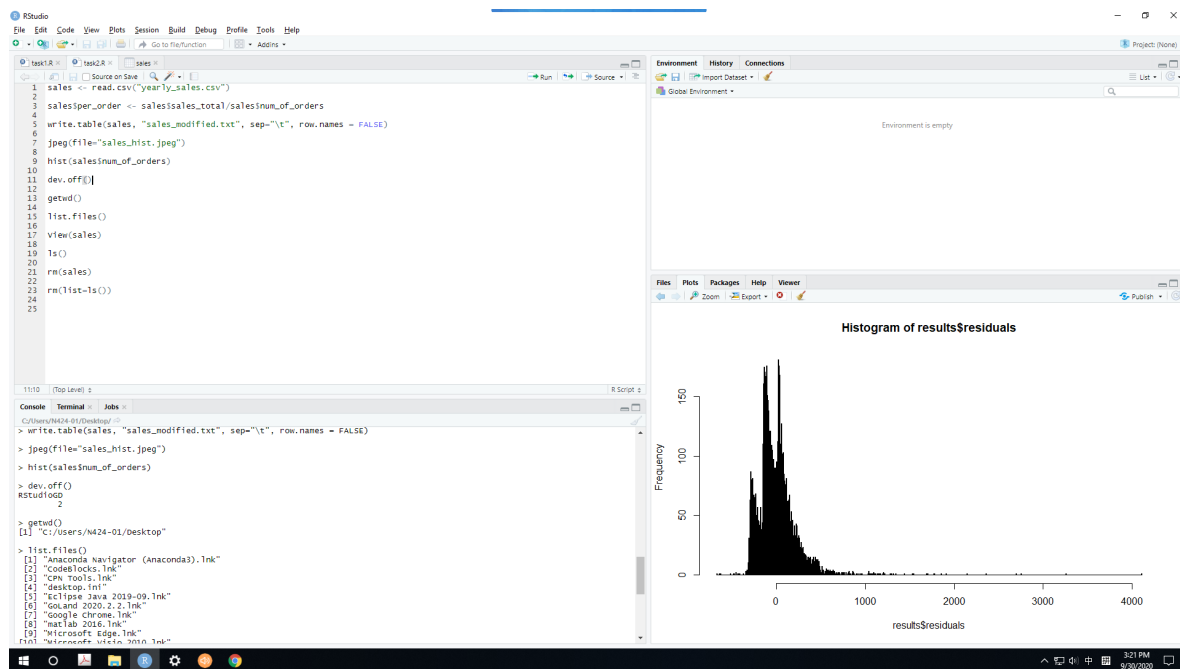
ls()

rm(sales)

rm(list=ls())

```

2.1 Output



Histogram of sales\$num_of_orders

