Class 05 Data Visualization

Nadia Haghani

2021-10-12

125 -

100

75

genes <- read.delim(url)</pre>

How to access State col

table(genes\$State)

What % are up/down

ggplot(data = genes) +

round(prec, 2)

prec <- table(genes\$State) / nrow(genes) * 100</pre>

aes(x = Condition1, y = Condition2) +

head(genes)

```
## `geom_smooth()` using formula 'y ~ x'
My nice plot
```

```
# A More complicated dataset

# First read the dataset

url <- "https://bioboot.github.io/bimm143_S20/class-material/up_down_expression.txt"
```

```
# How many genes in dataset?
nrow(genes)

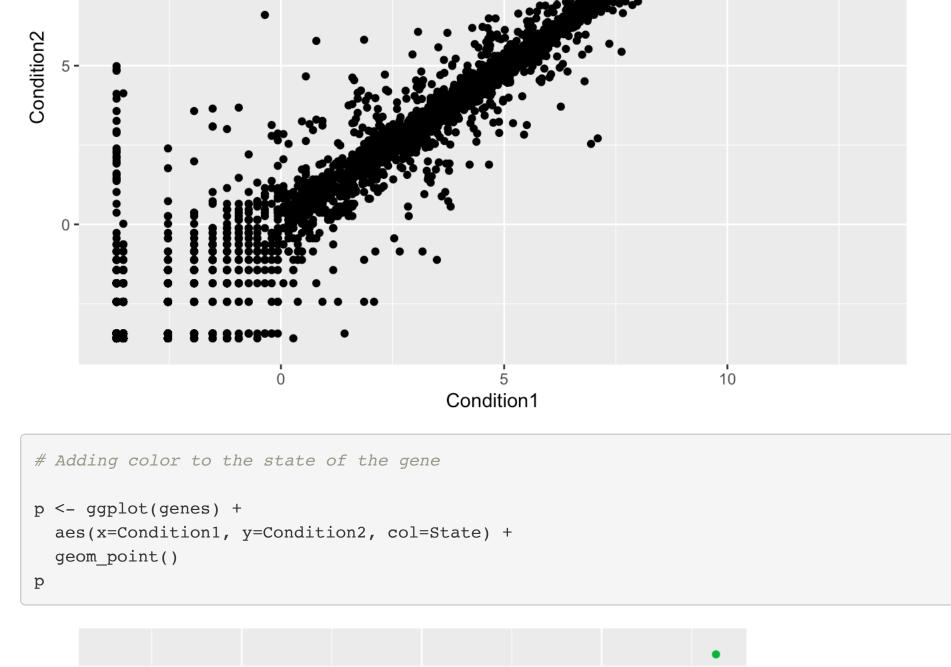
## [1] 5196
```

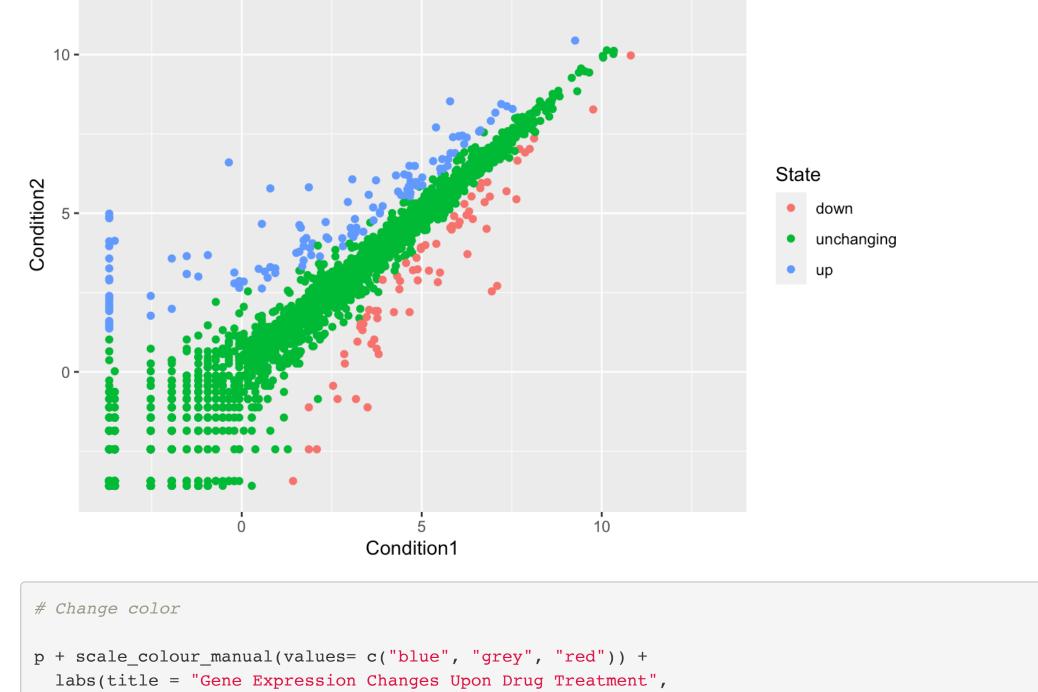
```
##
## down unchanging up
## 72 4997 127
```

```
##
## down unchanging up
## 1.39 96.17 2.44

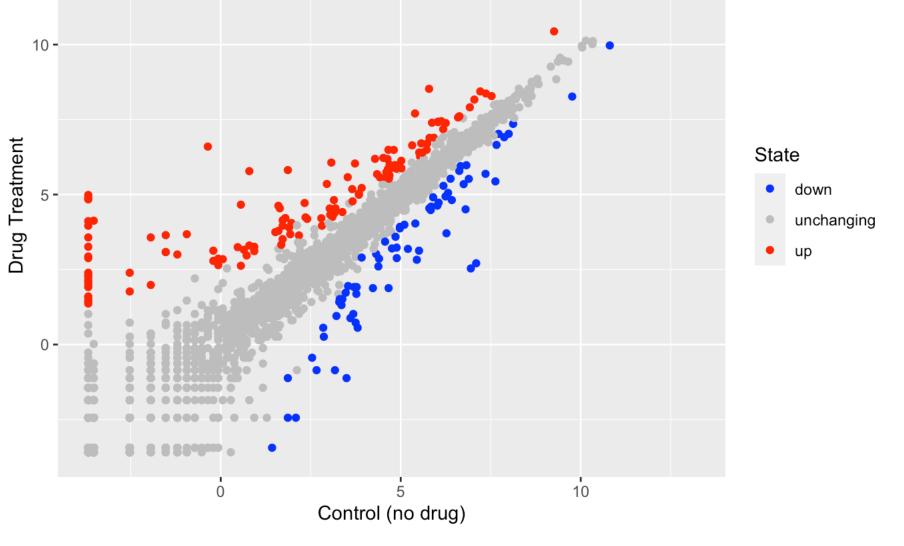
# Make a basic scatterplot of genes dataset
```

```
geom_point()
```





```
Gene Expression Changes Upon Drug Treatment
```



x = "Control (no drug)",

y = "Drug Treatment")