HW4 STAT 5014

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```
## Loading required package: rJava
```

```
## Loading required package: xlsxjars
```

Problem 3

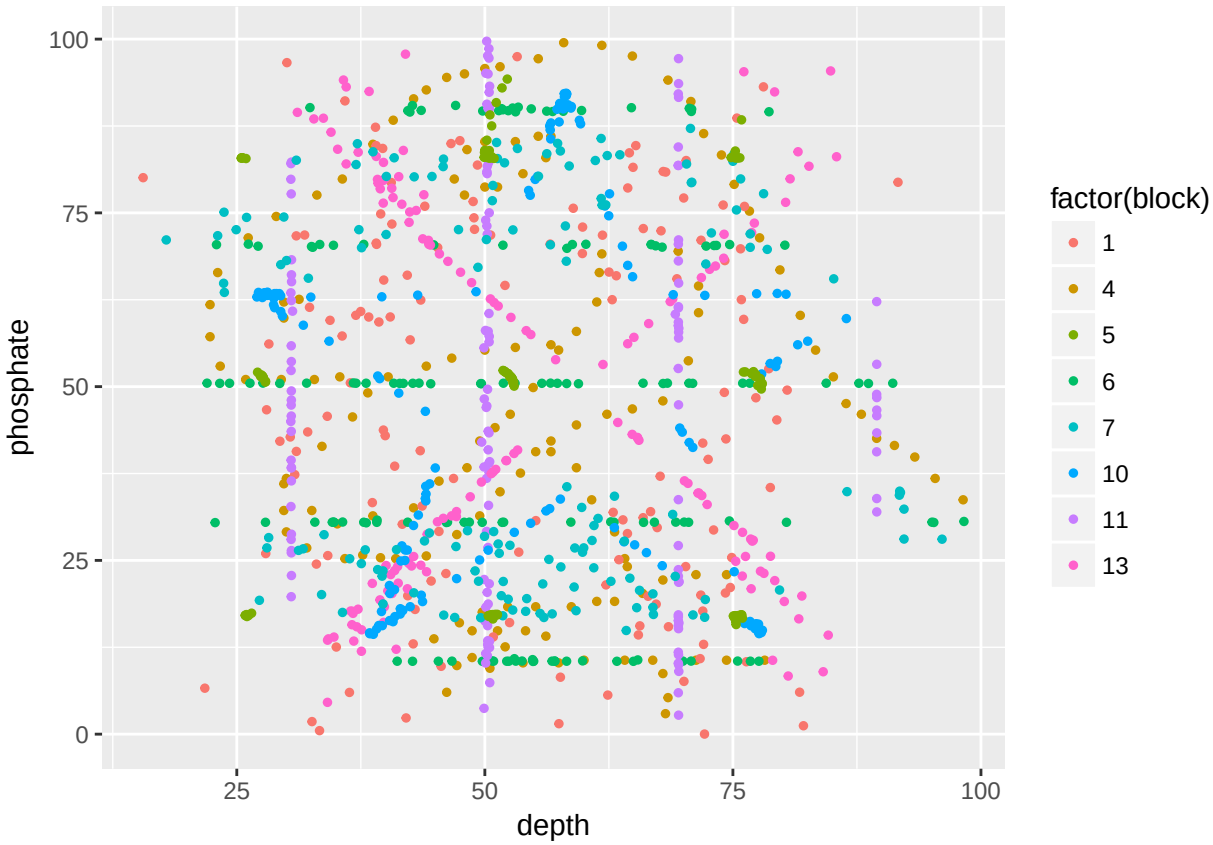
The focus of the Exploratory Data Analysis (EDA) stage of analysis is to refine the question/hypothesis, and then from there to know which modeling techniques to use.

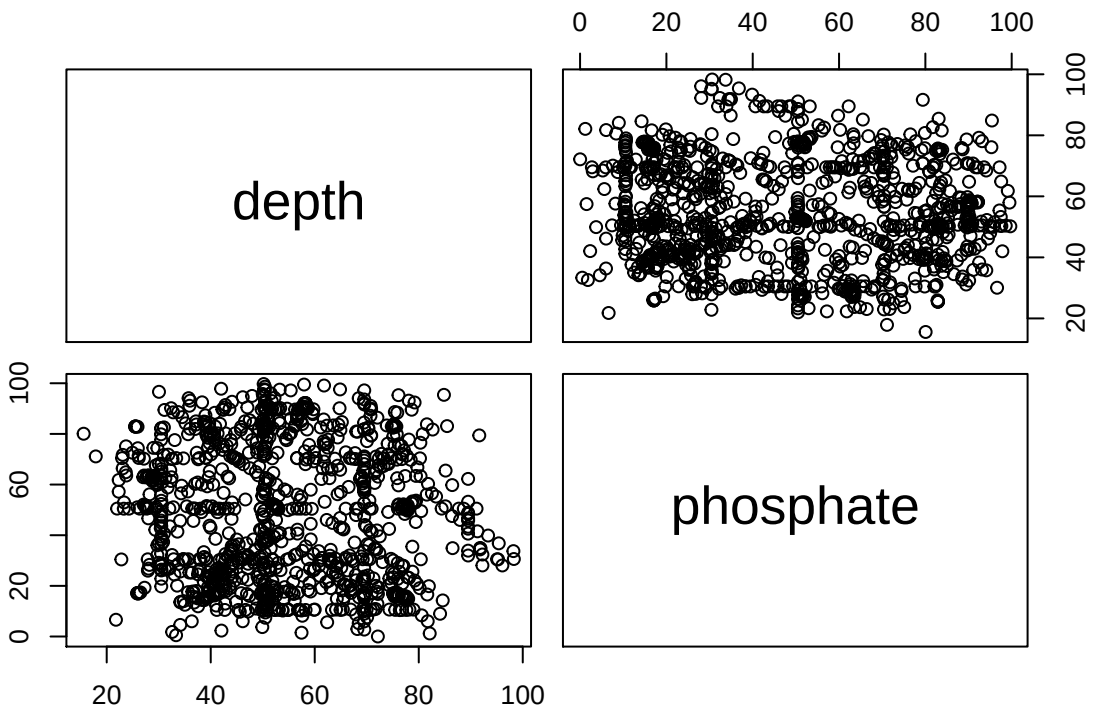
Problem 4

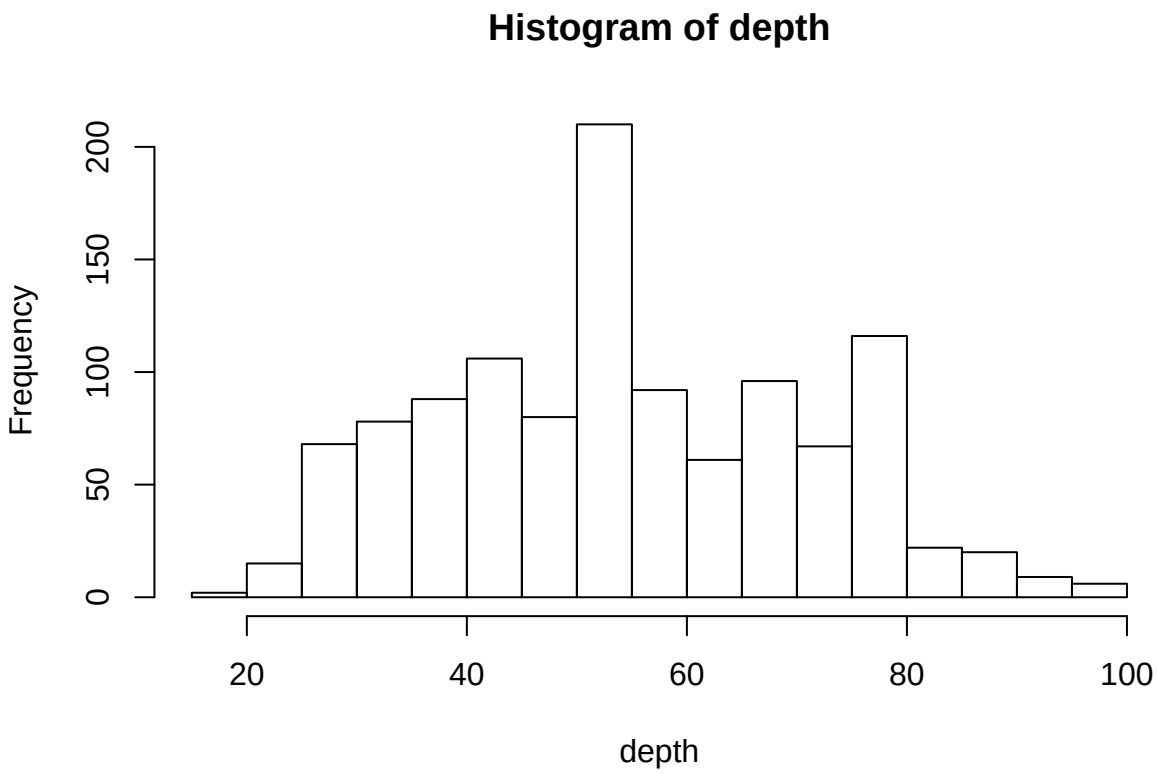
```
## [1] "block"     "depth"     "phosphate"
```

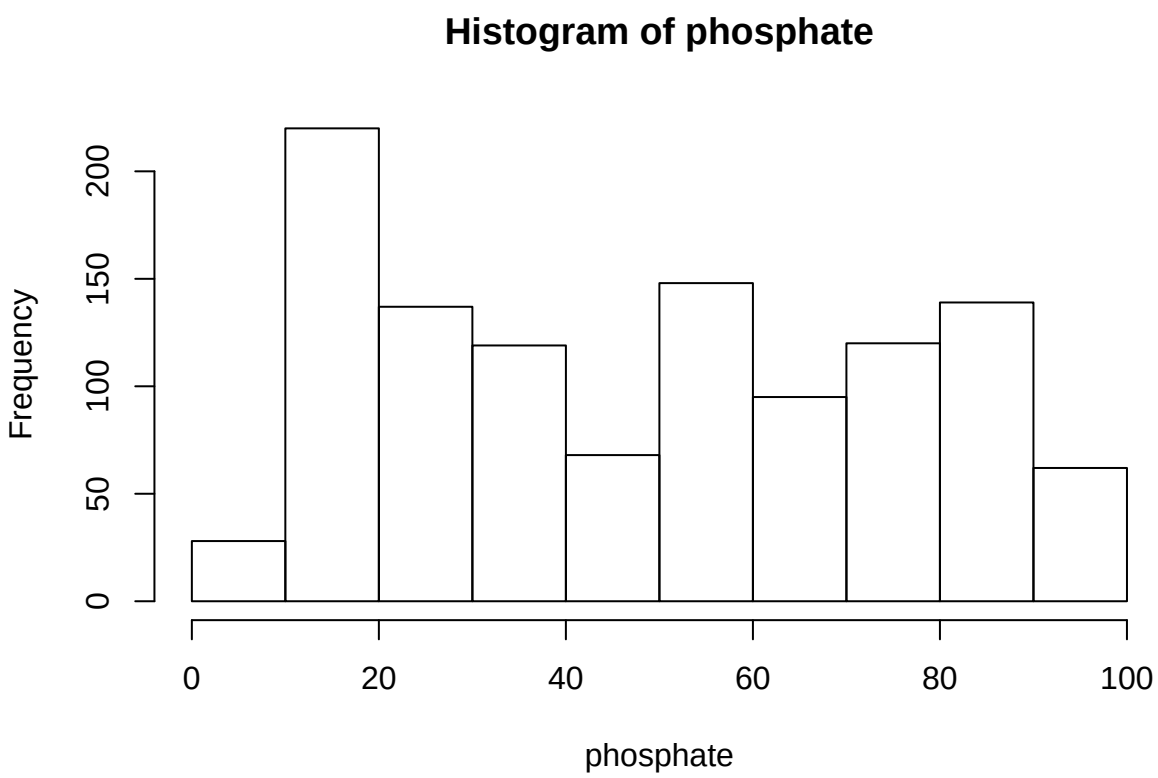
```
## $block
## [1] "numeric"
##
## $depth
## [1] "numeric"
##
## $phosphate
## [1] "numeric"
```

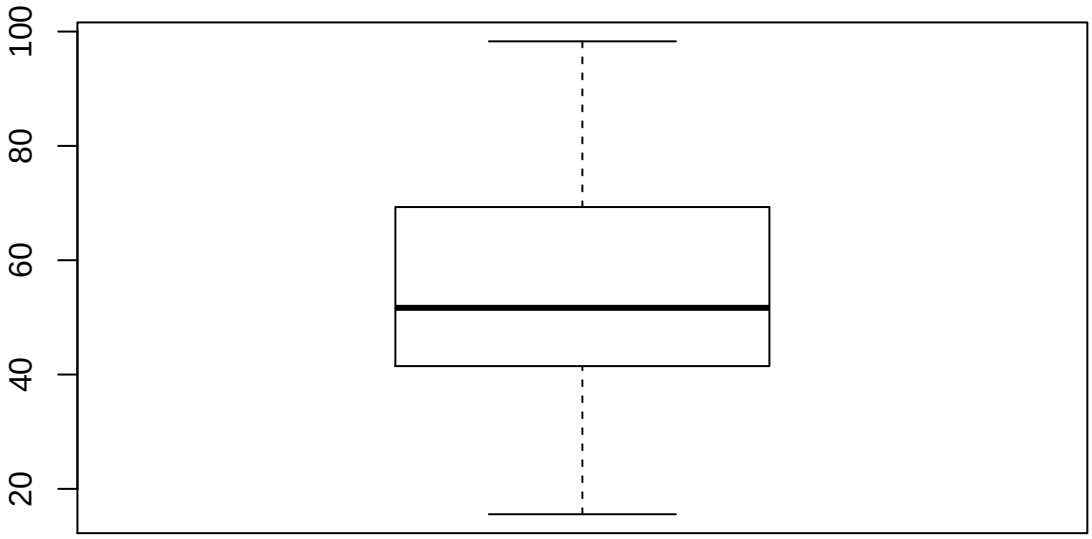
block	depth	phosphate
Min. : 1.000	Min. :15.56	Min. : 0.01512
1st Qu.: 4.750	1st Qu.:41.48	1st Qu.:22.73069
Median : 6.500	Median :51.67	Median :49.44212
Mean : 7.125	Mean :54.26	Mean :47.83609
3rd Qu.:10.250	3rd Qu.:69.27	3rd Qu.:71.30355
Max. :13.000	Max. :98.29	Max. :99.69468

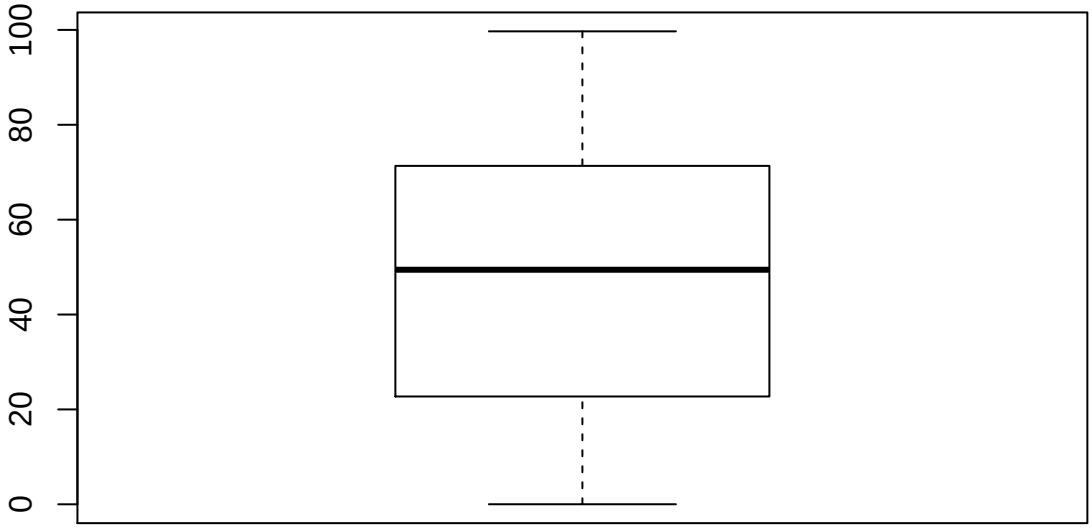

phosphate
depth
100
75
50
25
0
25
50
75
100
factor(block)
1
4
5
6
7
10
11
13

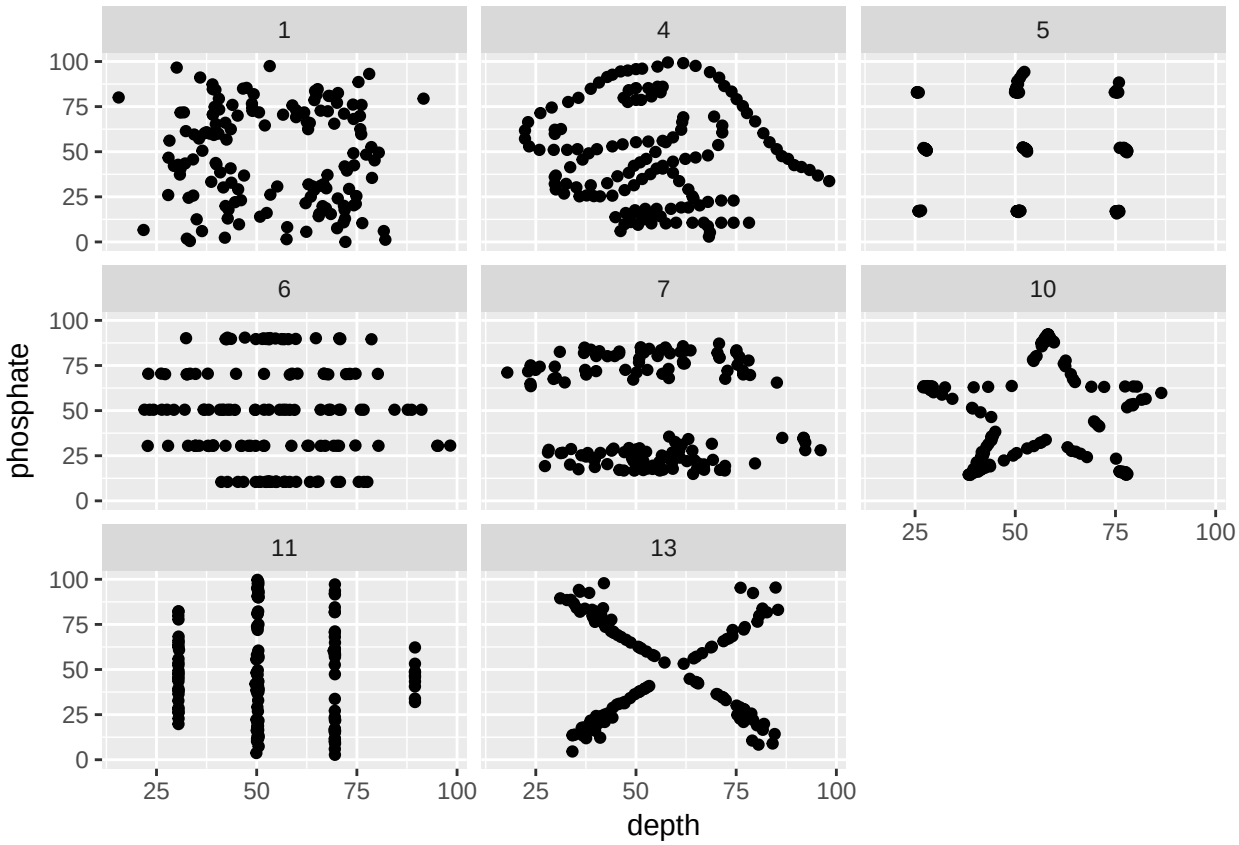

depth
phosphate
0
20
40
60
80
100


Histogram of depth
Frequency
0
50
100
150
200
20
40
60
80
100
depth


Histogram of phosphate
Frequency
0
50
100
150
200
0
20
40
60
80
100
phosphate


100
80
60
40
20


0
20
40
60
80
100



All 3 are numeric variables, but I converted block to a factor variable since it will be easier to see them as factors.