Week1-Homework part2

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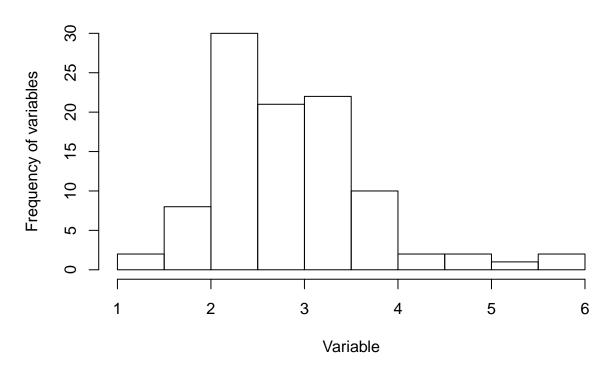
Log-normal distribution

```
100 values, mu=1, sigma=.25
x <- rlnorm(100,1,0.25)
```

Histogram of the distribution

hist(x,main = "Histogram of the distribution", xlab = "Variable", ylab = "Frequency of variables")

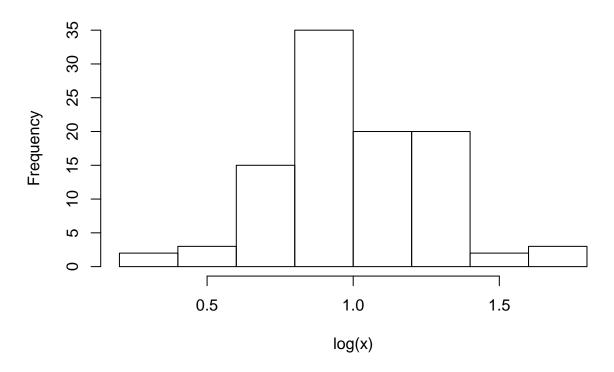
Histogram of the distribution



Histogram of the distribution on the log scale

```
hist(log(x),main = "Histogram of the distribution on the log scale")
```

Histogram of the distribution on the log scale



Mean and variance of the sample

```
mean(x)

## [1] 2.859853

var(x)
```

[1] 0.7102758