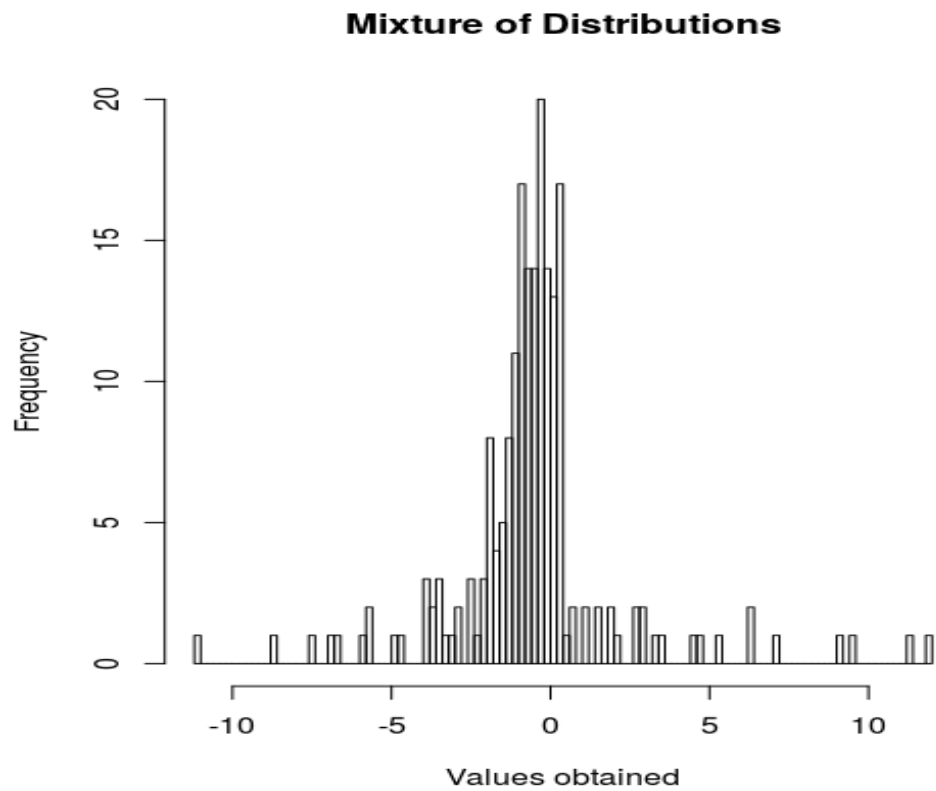


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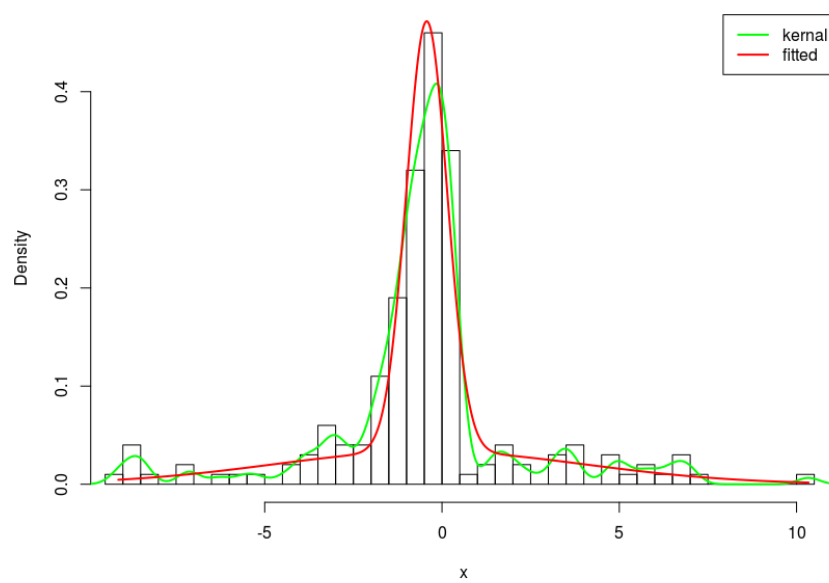
LAB 03

Q1)



The data for random samples can be viewed using the file **data.txt** inside the folder.

Q2)



Our own code for E-M algorithm fits better here in this given data set. Red curve in the above picture depicts the same

```
$lambda
```

```
[1] 0.5752293 0.4247707
```

```
$mu
```

```
[1] -0.4189127 0.1824483
```

```
$sigma
```

```
[1] 0.5208063 5.4888369
```

Also, following are the values that we obtained when we used the normalixEM function in R to apply EM algorithm to our dataset.