

MA 323 Lab-5

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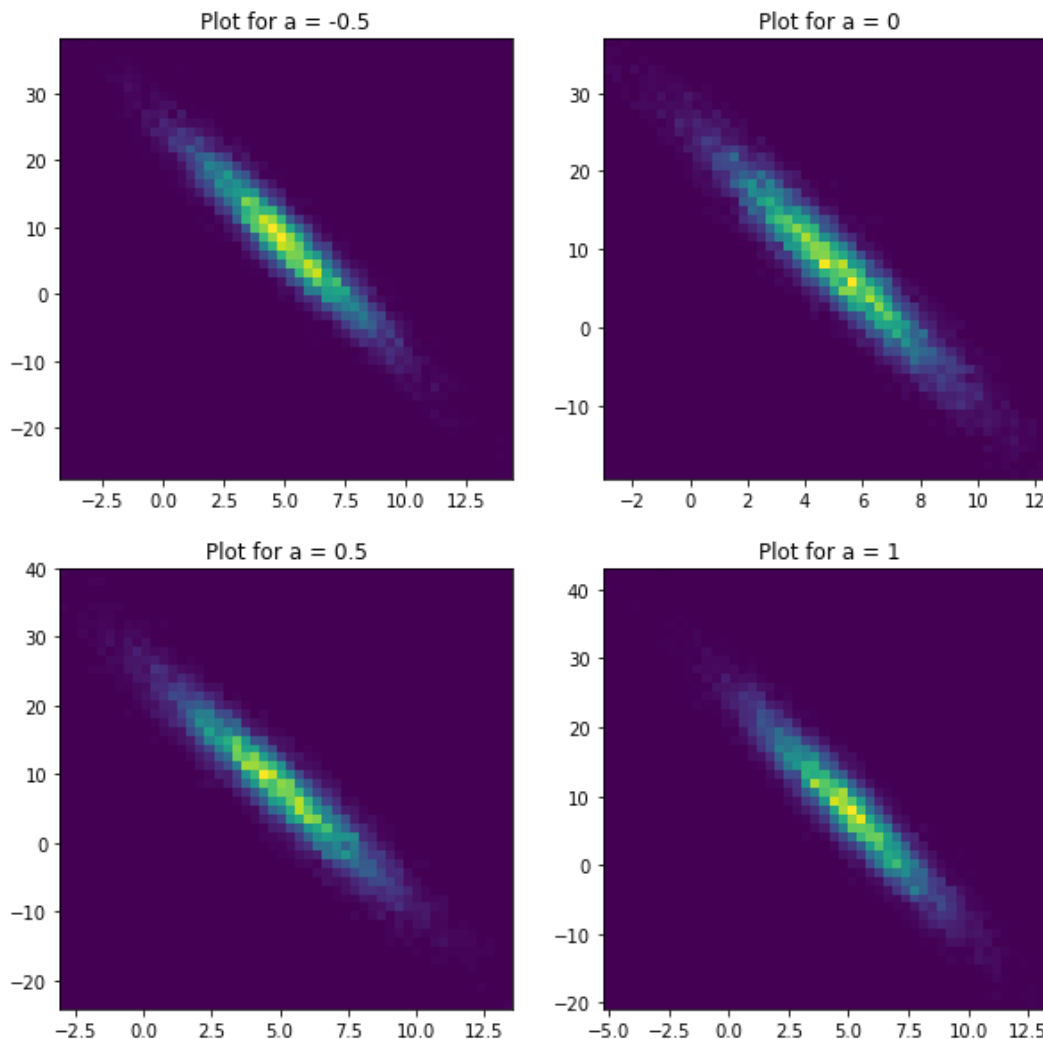
Q1.

```
The value of mean vector: [5.02047521 7.96598212]
The value of mean vector: [5.01225925 7.96382282]
The value of mean vector: [5.00320755 8.02802487]
The value of mean vector: [5.01828047 7.97771918]
```

The multivariate sample is similar to the actual multivariate distribution.

Q2.

Histogram of generated sample



Q3.

Contour Plots of actual density

