**Support Vector Machines**

**Salary Data**

* Here the data is given in mixed format (categorical and numerical). In order to perform SVM we need data to be in numeric format and the data should be in the same range. So we need to normalize the data.
* I conducted analysis for different kernels and achieved following accuracy:

1. Vanilla dot = 80.81%
2. Rbfdot = 84.50%
3. Polydot = 70.21%

* Likewise we can try using different kernels.

**Forest Fires**

* Here the data is already provided in discretized format, we only need to normalize the data so has to have all data in same range.
* I conducted analysis for different kernels and achieved following accuracy:

1. Vanilla dot = 88.19%
2. Rbfdot = 78.26%
3. Polydot = 88.19%

* Likewise we can try using different kernels.