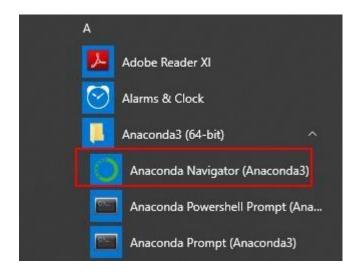


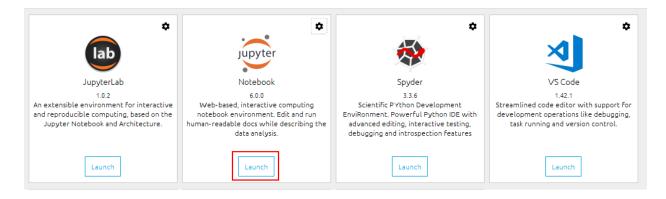
Module 7: Hands-on: 7

Creating and testing model.

Step 1: Open Anaconda Navigator

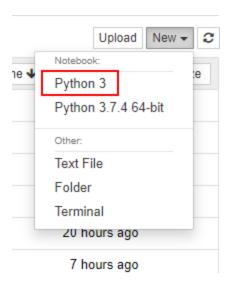


Step 2: Click on Launch button under jupyter notebooks.





Step 3: After the notebook opens click on new and Python 3.



Step 4: Import the required packages and read data from iris.csv in a dataframe.





Step 5: Analyze the shape of data.

```
In [4]: data.shape
Out[4]: (150, 5)
```

Step 6: Separate data into X and Y variables and split them into training and testing set with 70/30 ratio.

```
In [5]: X, Y = data.iloc[:, :-1], data.iloc[:, -1]
In [9]: x_train, x_test, y_train, y_test = train_test_split(X, Y, test_size=.3)
```

Step 7: Instantiate and train a logistic regression model.

Step 8: Make predictions, check the confusion matrix and count incorrect classifications and check its accuracy score.