UNIVERSITY OF MASSACHUSETTS LOWELL

COMP 5450
MACHINE LEARNING

PROJECT README FILE

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Citizens Income Prediction

Python Libraries Required
◊ **Numpy**
◊ **Pandas**
◊ **Scikit-learn**
◊ **Matplot-lib**
◊ **Seaborn**
◊ **Warnings**
◊ **Collections**

Dataset:
Dataset files are present subfolder "data".
o **This data is used by DataPreprocessing.py**

Steps to Run the code:
⇒ **Run either ModelComparision.py or ModelComparision.ipynb**
o **Running this code automatically calls:**
▪ **DataPreprocessing.py - pulls the dataset**
▪ **LogisticRegression.py – pulls predictions of Logistic Regression**
▪ **KNN.py - pulls predictions of KNN**
▪ **NaiveBayes.py - pulls predictions of Naïve Bayes**
▪ **SVM.py - pulls predictions of SVM**
▪ **DecisionTree.py - pulls predictions of Decision Tree**
▪ **RandomForest.py - pulls predictions of Random Forest**

This code pulls the values from code of each model and uses compares the values.