Machine Learning with Python

I have done a *'Data Science Professional Certificate'* course from IBM via Coursera, where I completed 9 interconnected courses to achieve this certificate. This is the 7th course of the whole specialization *'Machine Learning with Python'*, where I completed an assignment *(The best classifier')* using historical dataset from previous loan applications, then clean the data, and apply different classification algorithm on the data.

Question:

Now that you have been equipped with the skills to use different Machine Learning algorithms, over the course of five weeks, you will have the opportunity to practice and apply it on a dataset. In this project, you will complete a notebook where you will build a classifier to predict whether a loan case will be paid off or not.

You load a historical dataset from previous loan applications, clean the data, and apply different classification algorithm on the data. You are expected to use the following algorithms to build your models:

- k-Nearest Neighbour
- Decision Tree
- Support Vector Machine
- Logistic Regression

The results is reported as the accuracy of each classifier, using the following metrics when these are applicable:

- Jaccard index
- F1-score
- LogLoass

My Submission can be found by accessing the following link:

https://dataplatform.cloud.ibm.com/analytics/notebooks/v2/15d2b241-45b6-4835-8219-f688391b4159/view?access_token=1d1b0213c8cbc8dfcfef3c8813fb9706c92332d408e7bc80e7f19fb23b8856b9