Effort: 20 min

In this lab, you will import a notebook in Watson Studio and perform the Classification

Objectives

After completing this lab, you will be able to:

- Import a Notebook in Watson Studio

- Solve Classification Problems

Instructions

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

Step-By-Step Assignment Instructions

Instructions:

A- Sign in into Watson Studio and import your notebook

1. Sign in into https://cloud.ibm.com/login

2. Click on *New Project*

3. On the Create a project page, select **Create an empty project**.

4. Give a name to your project, and a description for your reference, then setup your project as following and click *Create*.

Notice 1: because you are going to share this project with your peer for evaluation, please make sure you have unchecked `Restrict who can be a collaborator`

Notice 2: You have to create an IBM Object Storage, if you dont have any IBM Object Storage (you can use the free Lite plan

5. From the top-right, Click on *Add to project*, and then select *Notebook*.

6. In the *New notebook* form, click on *From URL*, and enter the Notebook URL: https://cf-courses-data.s3.us.cloud-object-storage.appdomain.cloud/IBMDeveloperSkillsNetwork-ML0101EN-SkillsNetwork/labs/FinalModule_Coursera/ML0101EN-Proj-Loan-py-v1.ipynb

7. Give the notebook a proper name and description and click on `Create Notebook` to initialize the notebook.

B. Complete the notebook

1. Start running the notebook

2. Complete the notebook based on the description in the notebook.

C. Share the notebook

1. Click on the share icon on the top-right side of your page

2. Activate the `Share with anyone who has the link`

3. Select `All content excluding sensitive code cells`

4. Copy the link from `Permalink to view notebook`

How to submit:

Paste the shared link in the provided text box below, and submit it for peer-review.

Author(s)

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Change log

Date	Version	Changed by	Change Description
2020-09-05	2.0	Malika Singla	Updated the screenshot