Installation

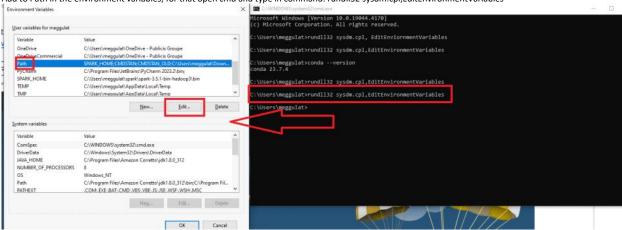
Saturday, April 20, 2024 10:47 AM

- 1) Download Python For Windows:
 - a. https://www.python.org/downloads/

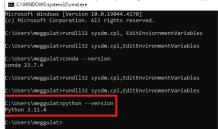


b. Open the folder and follow the installation process.

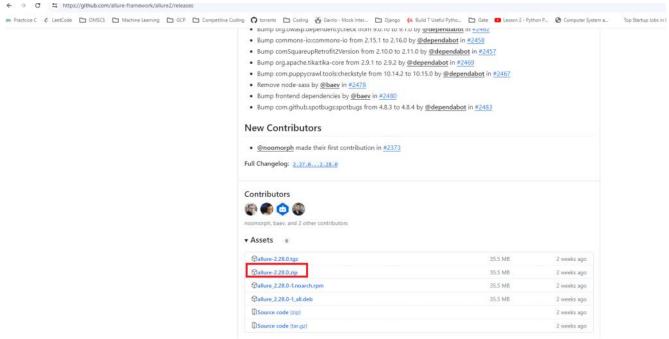
c. Add to Path in the environment variables, for that open cmd and type in command: rundll32 sysdm.cpl,EditEnvironmentVariables



- d. Click on Ok and close the CMD.
- e. Verify the installation by reopening the CMD and type in command: python --version. Following is the expected output- (version may vary)



- 2) Download Anaconda: Installer given in README folder. Verify installation by typing command: conda --version in CMD check image above for expected result.
- 3) Download Allure: https://github.com/allure-framework/allure2/releases



- b. Extract the folder and follow installation process.
- c. Add the bin folder to Path in Environment Variables, for example: C:\Users\meggulat\Downloads\allure-2.28.0\bin
- d. Verify the installation by opening CMD and typing in the command: allure --version

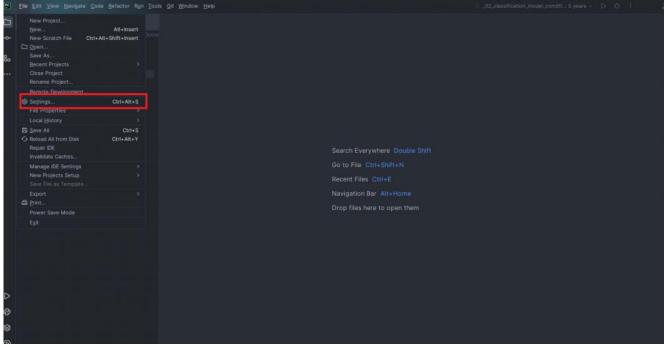
C:\USers\meggulat>
C:\Users\meggulat>
C:\Users\meggulat>
C:\Users\meggulat>

- 5) Open cmd and go to project path, for example: C:\Users\meggulat\Documents\team084final\CODE\Consumer Debt Analysis\envs
- 6) Type in command: conda env create -f env.yml [This might take some time since it installs all libraries needed to run the code and create a conda environment]
- 7) Type in command: conda activate proj_env [Ignore any errors like below, main thing to notice is that environment name should be displayed before the path]

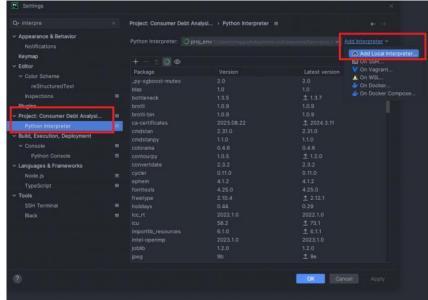
[The project can be run in CMD now]

METHOD 2[PYCHARM] - Preferred for detailed view of all the modules and running all the scenarios separately.

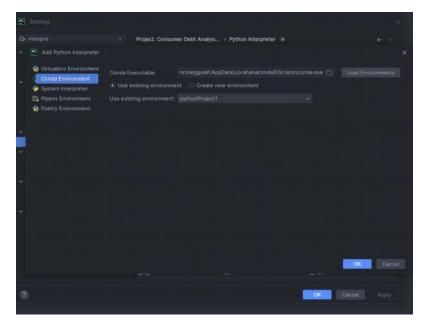
- $1) \ \ Download\ Pycharm: \underline{https://www.jetbrains.com/pycharm/download/?section=\underline{windows}} \ [community\ edition\ is\ free]$
- 2) Open the project in PyCharm IDE
- 3) Wait for the dependencies to install
- 4) Go to Terminal which is inbuilt in Pycharm: Type in command: conda activate proj_env
- 5) If above command does not run
 - a. Go to Settings



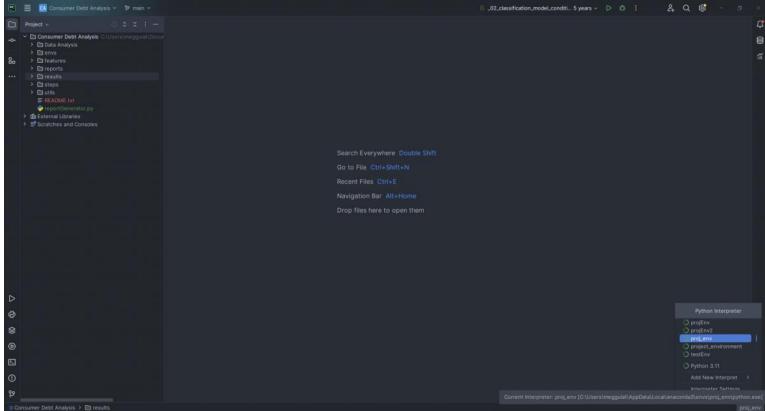
b. Go to Python Interpreter and click on Add Interpreter -> Add Local Interpreter



c. Go to Conda Environment -> Click on Load Environments and search for Anaconda executable file. For Example: C:\Users\meggulat\AppData\Local\anaconda3\Scripts \conda.exe -> Click on Load Environments after that -> proj_env will be displayed in the Use existing environment field. Click OK



d. The environment should appear on the IDE like below -

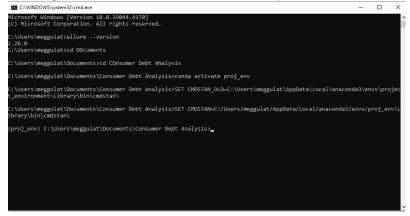


e. Wait for Updating Skeletons, Indexing.

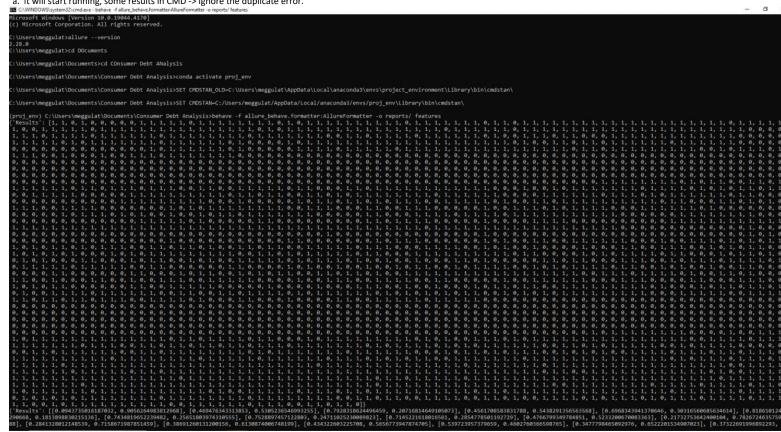
Execution | Method 1 : CMD

1) Open CMD and go to Project Path, for example: C:\Users\meggulat\Documents\team084final\CODE\Consumer Debt Analysis

2) Assuming, conda env is activated as mentioned in Installation steps



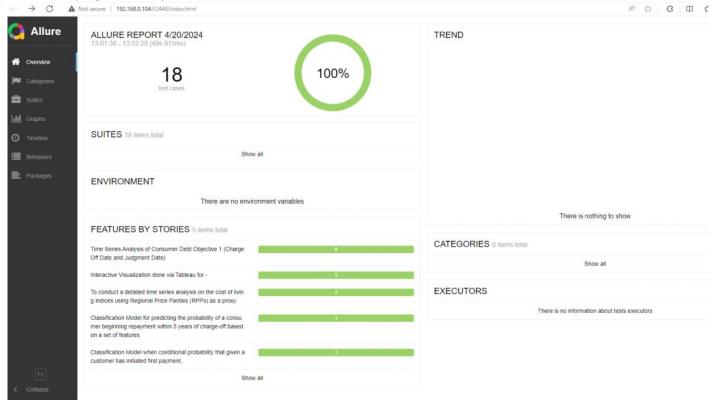
- 3) Type in command: behave -f allure_behave.formatter:AllureFormatter -o test_reports/ features [Wait for 20-30seconds for it to
- a. It will start running, some results in CMD -> ignore the duplicate error.



- b. Multiple browser windows will start opening up which are the result to all the scenarios running at once.
- 4) To view a consolidated run report. Type in command: allure serve test_reports



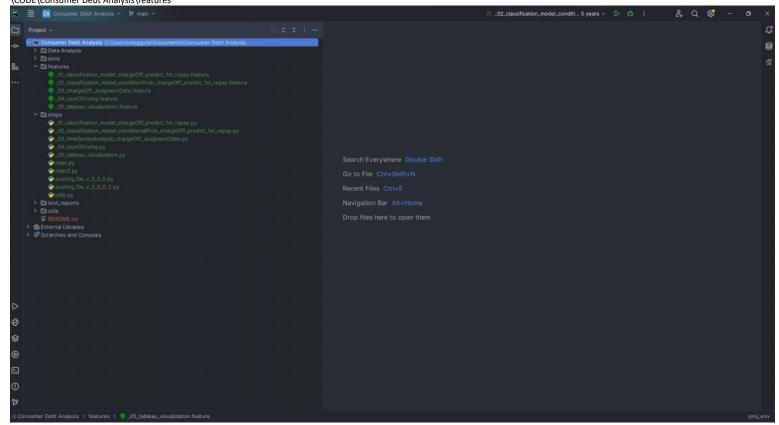
5) An Interactive Report generated and opened in the Web Browser like below -



Execution | Method 2: PyCharm

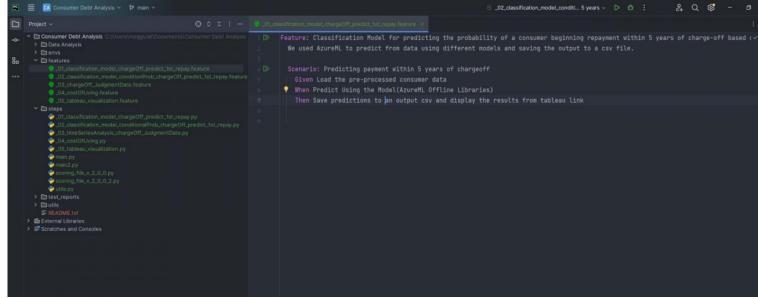
Saturday, April 20, 2024 1:09 PM

The code will be run in the feature files present in features folder in path C:\Users\meggulat\Documents\team084final \CODE\Consumer Debt Analysis\features



 ${\bf 1)} \ \ {\bf Run\ _01_classification_model_chargeOff_predict_}$

1st_repay.feature

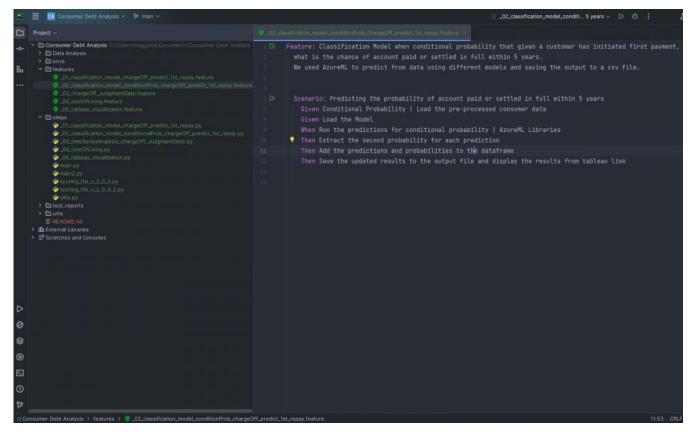


Possible Env/Intermittent error(from AzureML Library):

Fix: schema_decorators.py -> edit mode -> if

OUTPUT_SCHEMA_ATTR in
__functions_schema__[base_func_name].keys():
 print('Error, output schema already defined for
function: {}.'.format(base_func_name))

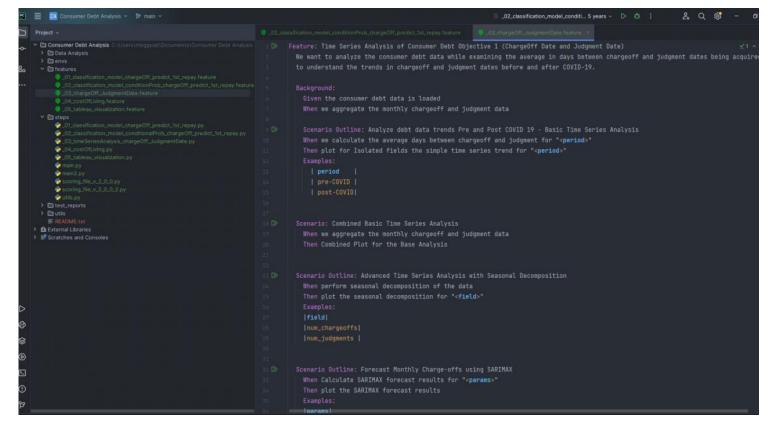
 Run _02 _classification_model_conditionProb_chargeOff_predict_ 1st_repay.feature



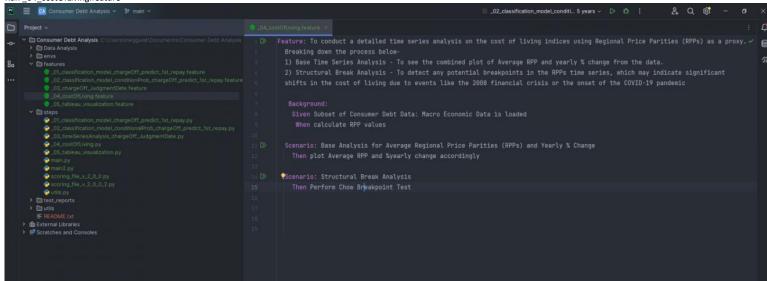
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OUTPUT_SCHEMA_ATTR in
__functions_schema__[base_func_name].keys():
 print('Error, output schema already defined for
function: {}.'.format(base_func_name))

RUN EACH SCENARIO ONE BY ONE FOR BETTER CLARITY IN BELOW -

3) Run _03_chargeOff_JudgmentDate.feature



4) Run _04_costOfLiving.feature



5) Run _05_tableau_visualization.feature

