Python Streamlit Web Application

WEEK 8

Data Science Academy

CASE STUDY

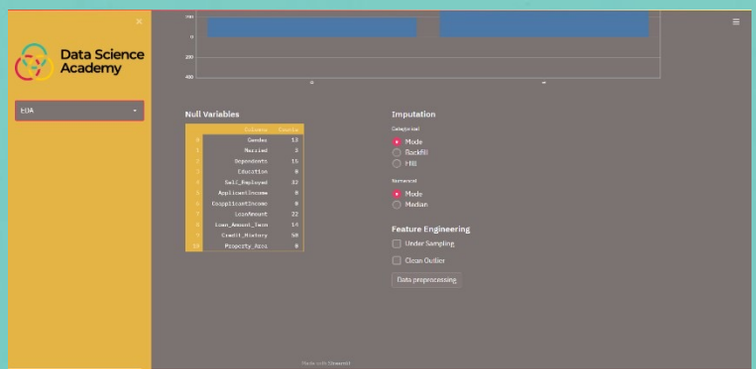
Disclaimer: Structurally, we need to create a web application with three pages long. We have 2 different datas that contains Water Portability and Long prediction datas.

Task: Our objective is to create automation process. Pages should be assembled accordingly:

1. The first page (i.e. homepage) should be used to introduce ourselves with the data.
2. The second page the EDA should be used to data imputation deletion, imbalance checking, cleaning data from outliers and at last, this page should also be included some visuals for the data;
3. The final page, the modeling page should be included preprocessing, variety of scalers, variety of encoders, train test splitting distribution, building of the model, calculations for evaluation metrics and some visualization.

Optional Task: Create Docker Image of this application and build on Docker Container.

Note: You can see some images from the structure of a real web application.



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