**Andre Neptune Jr**

**AI510**

**PE04: Programming Exercise**

**Instruction**

**Resource:**

* Uber (n.d), Ludwig: <https://www.uber.com/blog/introducing-ludwig/>
* Ludwig (n.d), <https://ludwig-ai.github.io/ludwig-docs/0.5/>

Your task for this Programming Exercise is to achieve a similar behavior as HOS04A but with a different data set.

1. Follow HOS04A tasks.

1. Modify the HOS04A file to have different **model\_definition.yaml** contents. Copy the HOS04A notebook and rename the notebook file to **PE04.ipynb**. Edit the **PE04.ipynb** content to use the provided **insurance\_claim\_status.csv** dataset.
2. Create a new GitHub repository and push your work.

**Submit the items below to the PE submission page:**

1. The GitHub link of your PE04 notebook file.
2. Provide a 20 to 50 words analysis or thoughts on AutoML with the screenshot after completing task step 2.
3. Make sure the PE module number and your name are written on the file name (e.g., "*PE01\_YourName.docx").*

*The analysis in the notebook involves loading an insurance claims dataset, preprocessing it to handle categorical variables and missing values, and using a Logistic Regression model to predict whether a claim will be made. The model is evaluated for accuracy, and predictions are made on both the test set and the entire dataset.*