

Welcome, this is Jim!

Some libraries need to be installed.

Python 3.11

pip install flower

pip install seaborn

pip install xgboost

pip install tensorflow

pip install scikit-learn

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Centralized learning !!!

1.Data_preprocessing.ipynb is used to turn the original 'FL-Event-Filtered.csv' into
preprocessed_data.csv.

2.Then the preprocessed_data can be the input of xgboost model or nn model.

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For federated learning model, please click the directory 'flr_fed' and then open 4 terminals.

The first terminal: execute 'python flr_server.py'

The second terminal: execute 'python flr_client.py --csv Client1_data.csv'

The third terminal: execute 'python flr_client.py --csv Client2_data.csv'

The fourth terminal: execute 'python flr_client.py --csv Client3_data.csv'

Wait for about 30 seconds, you will see the result in the terminal of the server.