This project was developed and tested with the following dependencies:

Python >= 3.8

```
numpy == 1.24.3                    # Numerical operations
pandas == 1.5.3                    # Data manipulation
scikit-learn == 1.2.2             # ML algorithms & metrics
xgboost == 1.7.6                   # XGBoost model / XGBoost
lightgbm == 3.3.5                  # LightGBM model / LightGBM
nltk == 3.8.1                      # Text preprocessing & stopwords
matplotlib == 3.7.1               # Data visualization
seaborn == 0.12.2                  # Statistical plots
statsmodels == 0.13.5            # Tukey HSD test
```

You can install all dependencies via pip:

pip install -r requirements.txt