

Replication Guide

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Steps to Replicate Results

1. Install Dependencies

Ensure you have the required libraries installed:

```
``sh
pip install pandas numpy matplotlib seaborn scikit-learn
``
```

2. Load the Dataset

- Place the `smallbank-1.csv` file in the same directory as the notebook.

3. Run the Notebook

1. Open the Jupyter Notebook:

```
``sh
jupyter notebook Fwd_TS20250308_(Sanjana).ipynb
``
```

2. Execute all cells to train the model and generate evaluation metrics.

4. Expected Output

- The notebook will output the **Mean Absolute Error (MAE)**, **Mean Absolute Percentage Error (MAPE)**, and **Root Mean Squared Error (RMSE)**.
- A scatter plot of **Actual vs. Predicted values**.