Backlog: Time-Series Forecasting Tool

Sprint 1: Core functionality (Week 1)

1. Data Upload:
    a. Implement a file upload feature that accepts CSV files.
    b. Validate uploaded files (check for correct format: date and value columns).
    c. Display error messages for incorrect file uploads.
2. Display:
    a. Display uploaded data in a table for verification.
    b. Create a basic line chart to visualize uploaded data.
3. Forecast Results:
    a. Set up integration with AutoML to perform basic time-series forecasting.
    b. Allow users to input the number of steps for forecasting (for example - 7 days, 30 days).

Sprint 2: Additional features / Refinement

1. Display:
    a. Add features like zooming and panning.
2. Forecast Results:
    a. Display forecasted results alongside the original data in the graph.
    b. Add performance metrics (MAE, RMSE) showing forecasting accuracy.
3. Export Data:
    a. Implement a feature to download forecasted results as a CSV file.
    b. Add ability to export original + forecasted data as a single CSV file.
4. Some general refinements:
    a. Test and debug all implemented features.
    b. Refinements to UI to better resemble the Figma mockup.

Sprint deliverables

1. Sprint 1 deliverables:
    a. Working data upload functionality - including validation and error handling.
    b. Display of uploaded data in a table and a basic visualizaiton.
    c. Some basc time-series forecasting with customized details (steps).

2. Sprint 2 deliverables:
    a. Somewhat interactive graph of data.
    b. Forecast results visualized on top of the original data.
    c. Export functionalities.
    d. Tests and refinements done.