Backlog: Time-Series Forecasting Tool

Sprint 1: Core functionality (Week 1)

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

Sprint 2: Additional features / Refinement

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

Sprint deliverables

1. Sprint 1 deliverables:
   1. Working data upload functionality - including validation and error handling.
   2. Display of uploaded data in a table and a basic visualizaiton.
   3. Some basc time-series forecasting with customized details (steps).
2. Sprint 2 deliverables:
   1. Somewhat interactive graph of data.
   2. Forecast results visualized on top of the original data.
   3. Export functionalities.
   4. Tests and refinements done.