

dashboard_update.py

`dashboard_update.py` is a standalone utility script that updates a dashboard JSON file by attaching all required sepsis-prediction features and computing a refreshed **sepsisScore** using a saved **logistic regression model**.

This script is intentionally self-contained:

- Loads the dashboard JSON
 - Loads the feature dataset
 - Aligns/creates missing columns
 - Loads the trained model
 - Generates sepsis scores
 - Writes out an updated JSON for the UI
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What the Script Does

1. Load Dashboard JSON

- Reads a list of records from `mockData.json`.
- Validates that every entry contains `patientId`.

2. Load Feature Dataset

- Reads a cleaned dataset (`.csv` or `.parquet`) containing features for each patient/stay.
- Expects the dataset to contain `patientId` (automatically mapped from `stay_id` if present).

3. Normalize Column Names

The script maps common alternate names → model feature names via `ALIAS_MAP`, e.g.:

Raw column	Model feature
<code>temp</code>	<code>temperature</code>
<code>hr</code>	<code>heartrate</code>
<code>spo2</code>	<code>o2sat</code>

Raw column	Model feature
white	is_white

This ensures the model always gets the exact expected feature names.

4. Handle Arrival Transport Encoding

If the dataset stores transport as a single categorical column, the script automatically one-hots: