Source data

External Reference dataset (optional)

Time-axis

Data (nD)

Partition on time-axis

Temporal partitioning

D1 D2 D3 D4 D5

Partitioned dataset

Data representation

Histograms per feature for each partition

Comparison generation

D1 D2 D3 D4 D5

Historical data New data

Statistical comparison

Metric

Value of interest over time

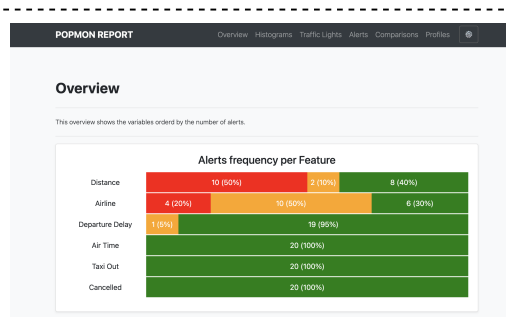
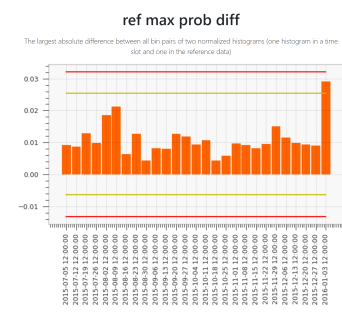
Dynamic bounds

Value of interest over time

Red traffic light μ-7σ Yellow traffic light μ-4σ μ Yellow traffic light μ+4σ Red traffic light μ+7σ

Reference distribution

Value of interest Time

Traffic light bounds

Reporting