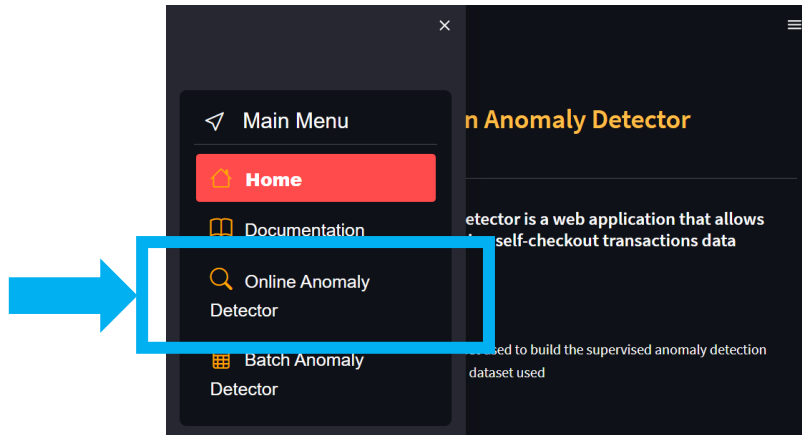


## User Manual

### Online Anomaly Detector

1. Select "Online Anomaly Detector" in the "Main Menu".



2. Then, you will land on this page.

A screenshot of the 'Self-checkout Transaction Anomaly Detector' page. The page has a dark background and contains several input fields for data entry. The inputs are: 'The Total Number of Items Scanned (1-50 Items)' with value 1, 'The Total Time Taken in Seconds between The First and The Last Product Scanned (1-3600secs)' with value 1, 'The Grand Total of Product Scanned (RM)' with value 0.00, 'The Number of Scanned but Cancelled Items' with value 0, 'The Number of Attempts to Activate The Scanner Without Actually Scanning Anything' with value 0, 'The Number of Times The Customer Modified The Quantities for One of The Scanned Products' with value 0, and 'Customer Trust Level (Lowest(1) to Highest(6))' with value 1. A 'Check' button is at the bottom.

3. Now, input every field here on the page.

## Self-checkout Transaction Anomaly Detector

### Online Anomaly Detector

The Total Number of Items Scanned (1-50 Items)

The Total Time Taken in Seconds between The First and The Last Product Scanned (1-3600secs)

The Grand Total of Product Scanned (RM)

The Number of Scanned but Cancelled Items

The Number of Attempts to Activate The Scanner Without Actually Scanning Anything

The Number of Times The Customer Modified The Quantities for One of The Scanned Products

Customer Trust Level (Lowest(1) to Highest(6))

Check

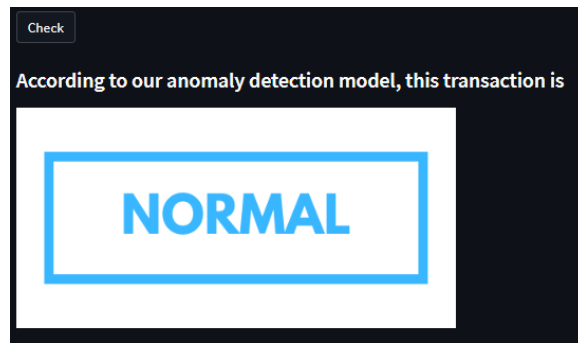
4. Click on "Check" button at the bottom.

The Number of Times The Customer Modified The Quantities for One of The Scanned Products

Customer Trust Level (Lowest(1) to Highest(6))

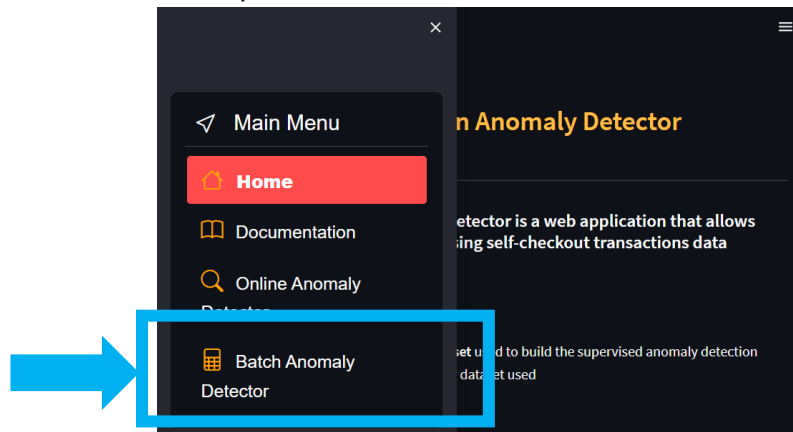
Check

5. View result generated.

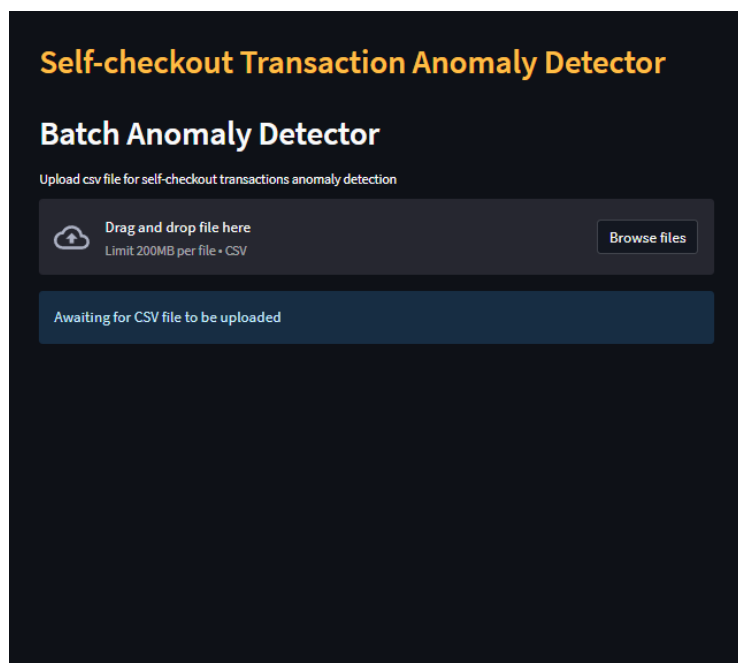


### Batch Anomaly Detector

1. Select "Online Anomaly Detector" in the "Main Menu".




2. Then, you will land on this page.




3. Upload a csv containing the variables stated.

## Batch Anomaly Detector

Upload csv file for self-checkout transactions anomaly detection

 Drag and drop file here  
Limit 200MB per file • CSV

Browse files


 test.csv 24.4MB

×

4. The result DataFrame with the labelled data will be displayed below and can be downloaded after clicking the “Download Labelled Data” button

### Labelled DataFrame

	trustLevel	totalScanTimeInSeconds	grandTotal	lineItemVoids	scansWithoutRegistration	quantityModi
9	4	16	31.9100	7	7	
10	3	714	94.2900	8	7	
11	5	1077	66.1600	5	8	
12	4	1301	84.3500	3	10	
13	3	1429	47.9500	8	1	
14	3	1196	83.7700	11	10	
15	3	1567	75.5300	7	10	
16	4	289	18.6600	8	4	
17	1	335	1.1900	0	0	
18	3	1304	30.5100	0	7	

 Download Labelled Data

5. The Exploratory Data Analysis report for the Labelled DataFrame is generated below it.

## Exploratory Data Analysis Report

### Overview

Overview

Alerts 14

Reproduction

Dataset statistics

Number of variables	11
Number of observations	498121
Missing cells	0
Missing cells (%)	0.0%
Duplicate rows	0
Duplicate rows (%)	0.0%
Total size in memory	39.9 MiB
Average record size in memory	84.0 B