



Vending Machine Log Data Analysis Report

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INTRODUCTION



The log data includes various events and fields, each providing specific information about user interactions, system status, and performance metrics.



This analysis aims to extract meaningful insights from the log data to understand user behaviour, system performance, and potential issues.

Pages

Splash Screen page

Category page

Caffe page

Modify page

Insufficient credit page

Delivery page

Finalize page / Delivery Failed Page

Support page



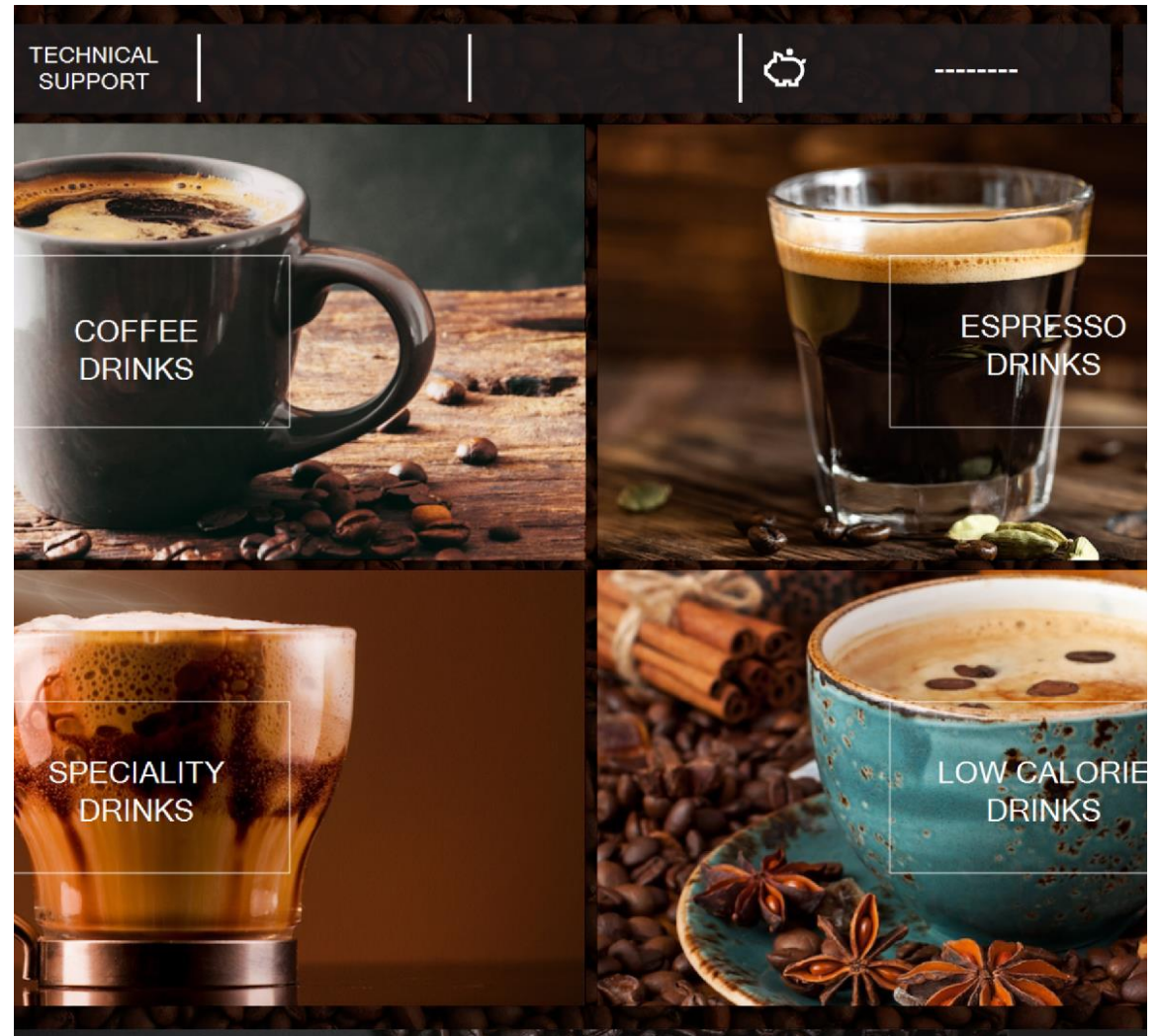
Splash Screen

This is the start page or the home page. A click on the splash screen visualizes the category page.



Category Page

- This page shows the list of available categories. e.g coffee drinks, speciality drinks, espresso drinks, low calorie drinks. A user selects the category he/she is interested in.





Caffe Page

- This page shows the list of available coffee drinks after selecting the category. E.g Premium coffee freshly brewed, cappuccino, cafe mocha etc



8 oz

12 oz

STRENGTH

-

+

SUGAR

-

+

MILK

-

+

Modify page

- This page is where you modify the product selected. For example. by adding sugar, milk or increasing the strength of the product (coffee)

Other pages

- Insufficient credit page appears when there is insufficient credit in the user wallet.
- Delivery page appears if delivery of the product is ongoing
- Finalize page appears if the delivery of the product is finalized and there is no problem
- Delivery failed page appears when the product delivery failed.



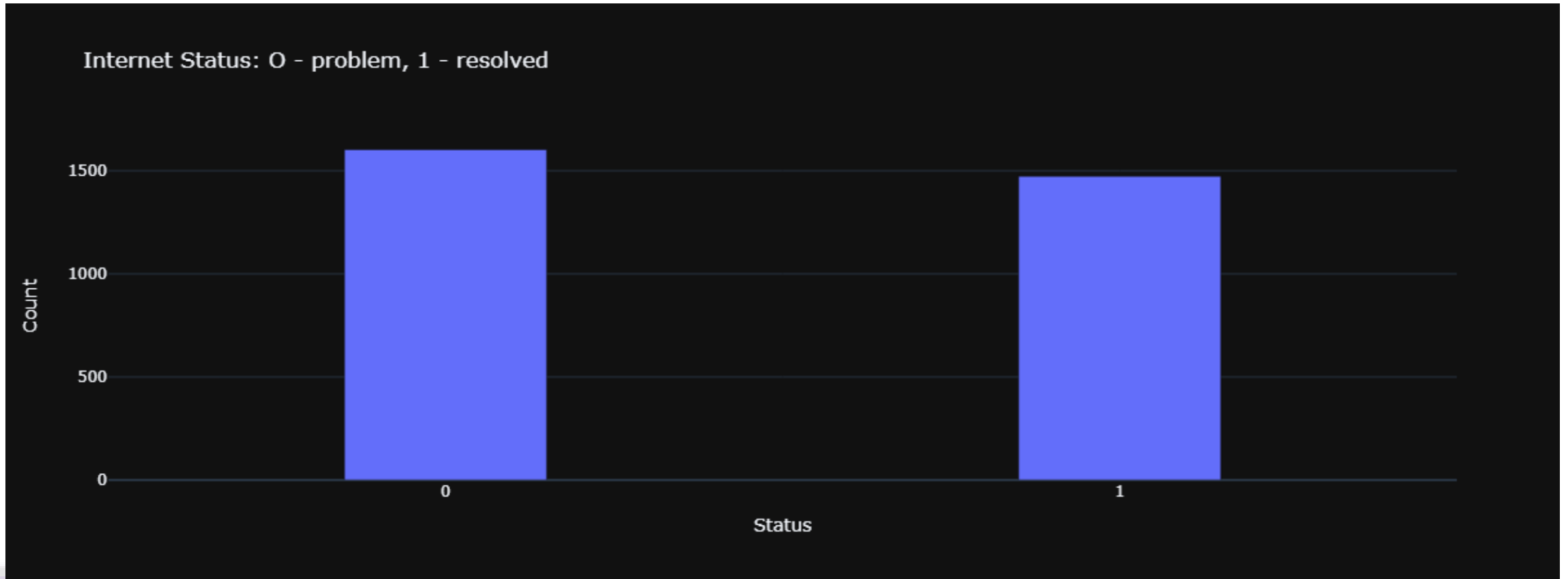
Machine Types

- _F: FlexManager software release
- _V: VMC and SubType
- _M: panel mac address
- _I: modem ICCCID
- _H: HotUI Software release
- _T: HotService software release

_F	0.1.9.1	0.2.7.0	0.3.8.0	All
_V				
630A	0	0	41	41
650A	0	0	26	26
670A	1	3	550	554
AP213A	0	0	44	44
All	1	3	661	665

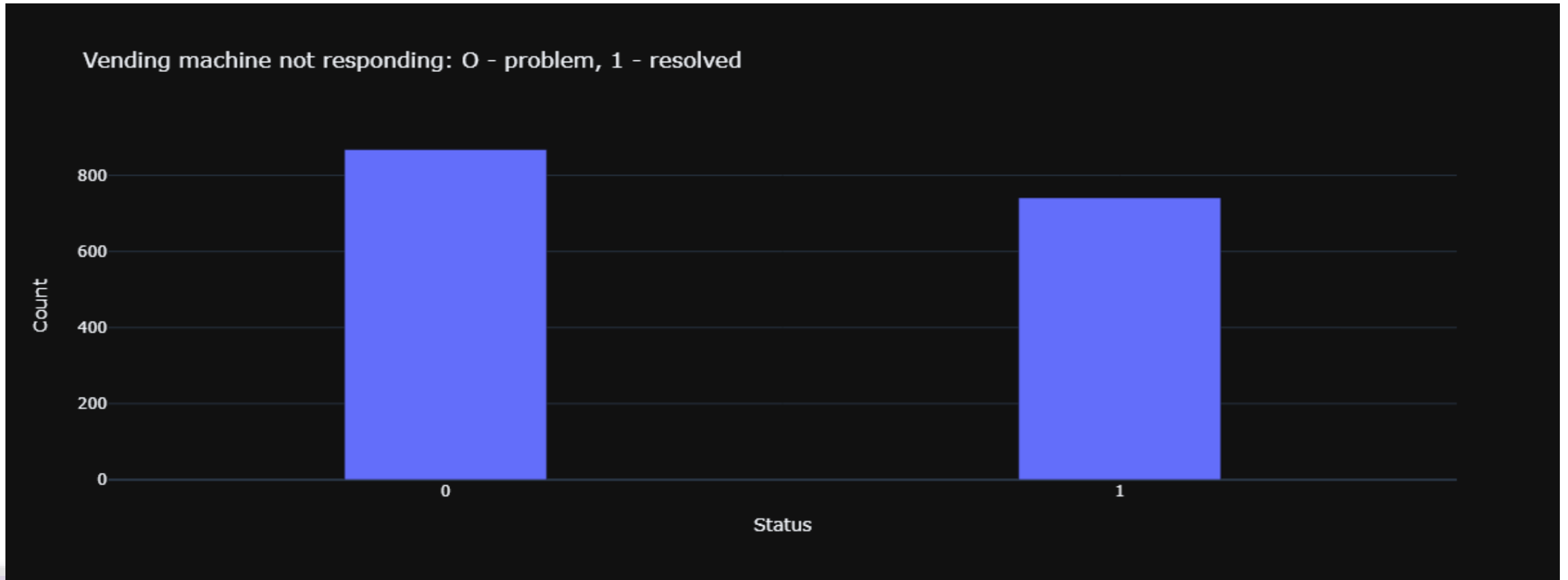
MachineID: 00E04C08047F as a Case Study

Internet Status



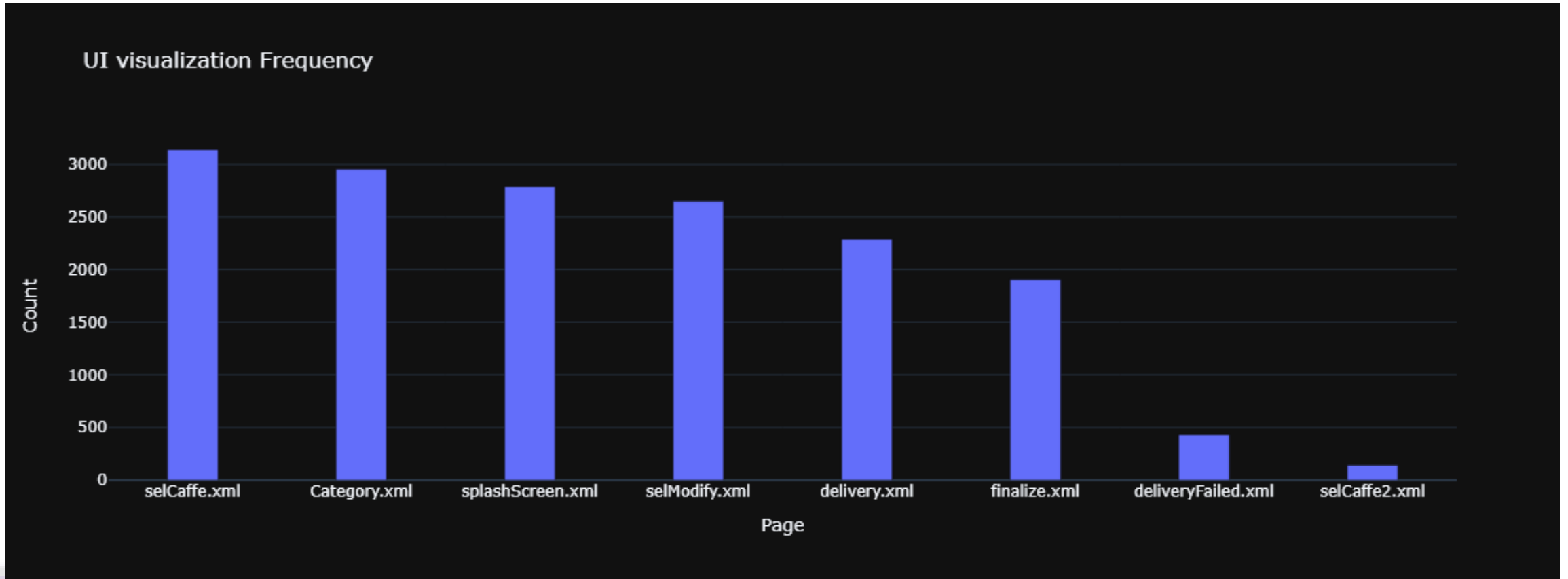
00E04C08047F

Vending Machine Not Responding



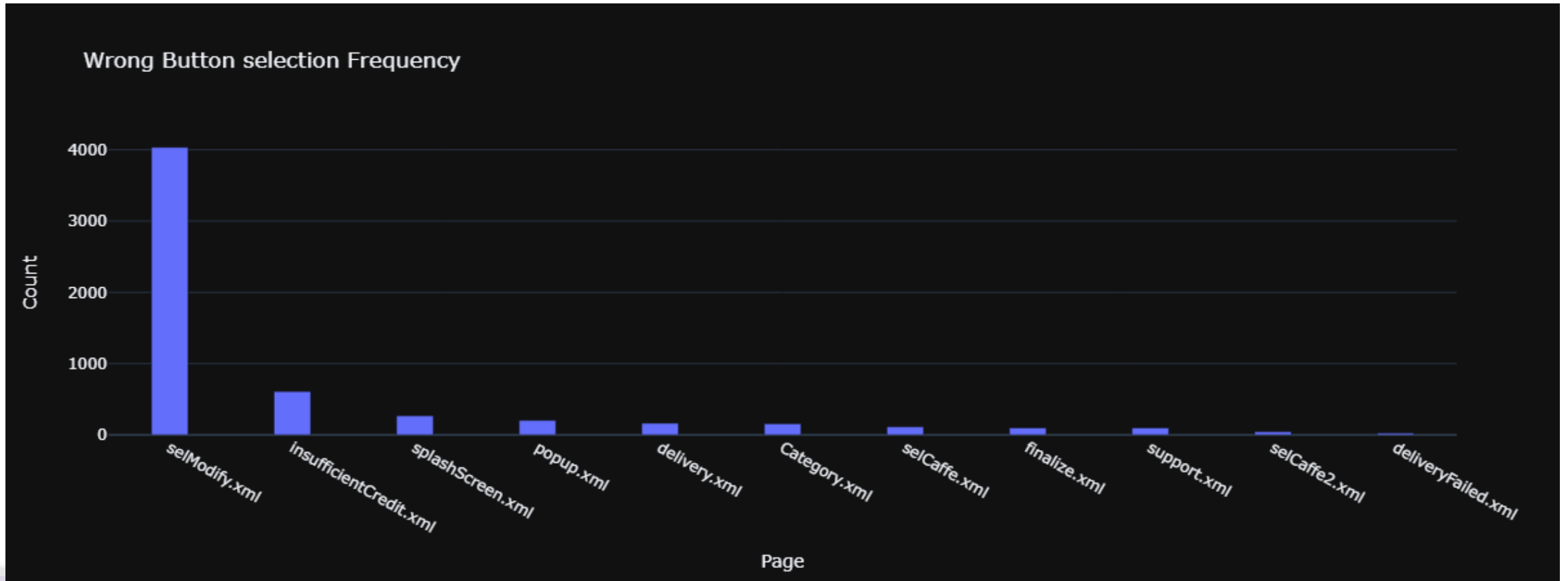
00E04C08047F

UI Pages visualization



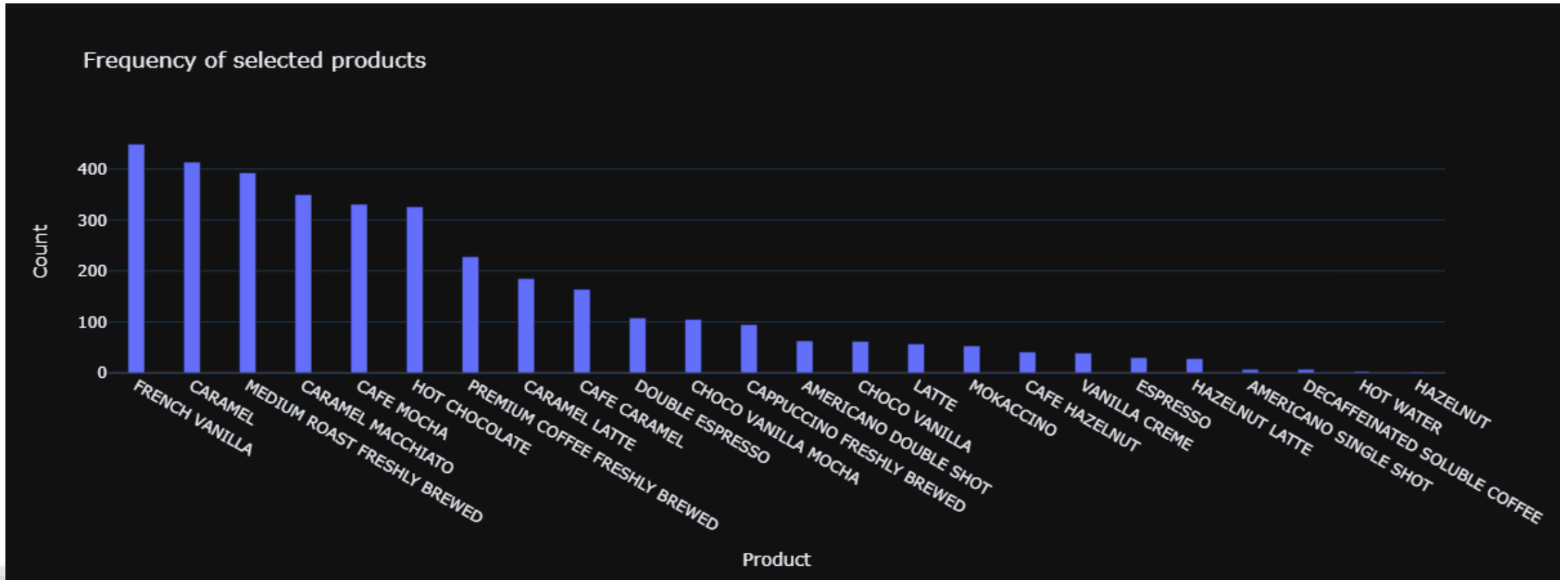
00E04C08047F

Wrong Button selections



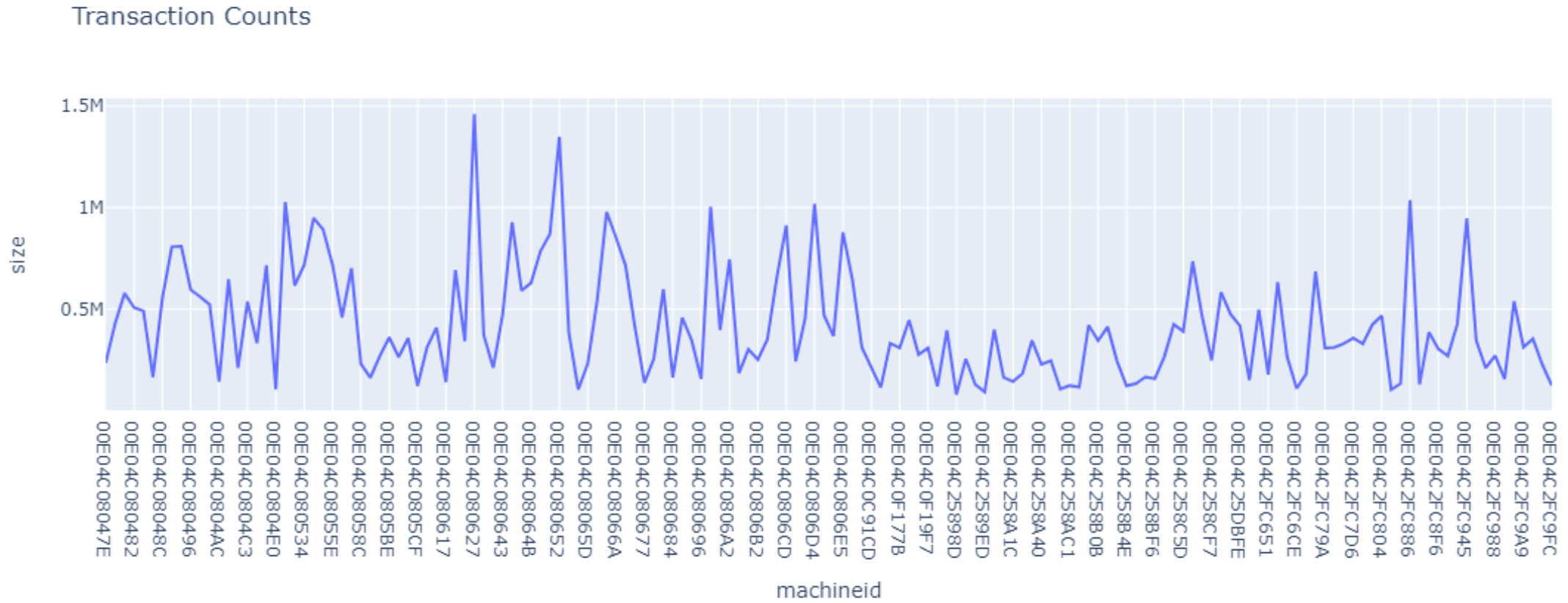
00E04C08047F

Selected Products Frequencies



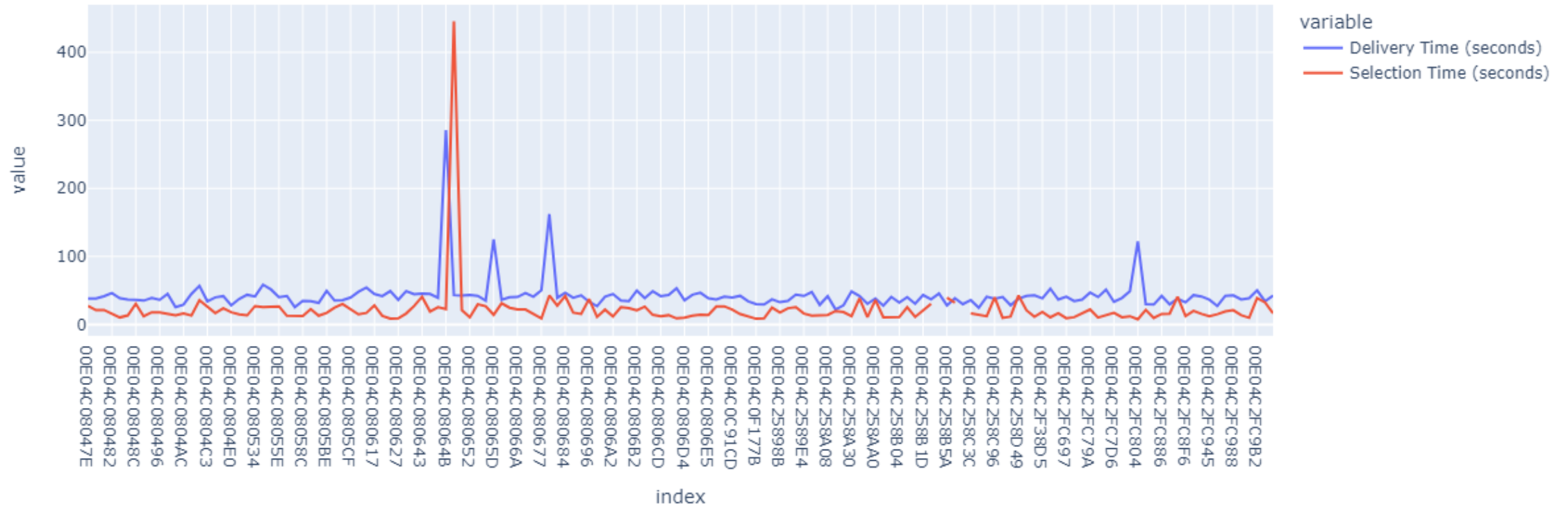
Transaction Counts

150 Machine IDs



Mean Delivery Time vs Selection Time

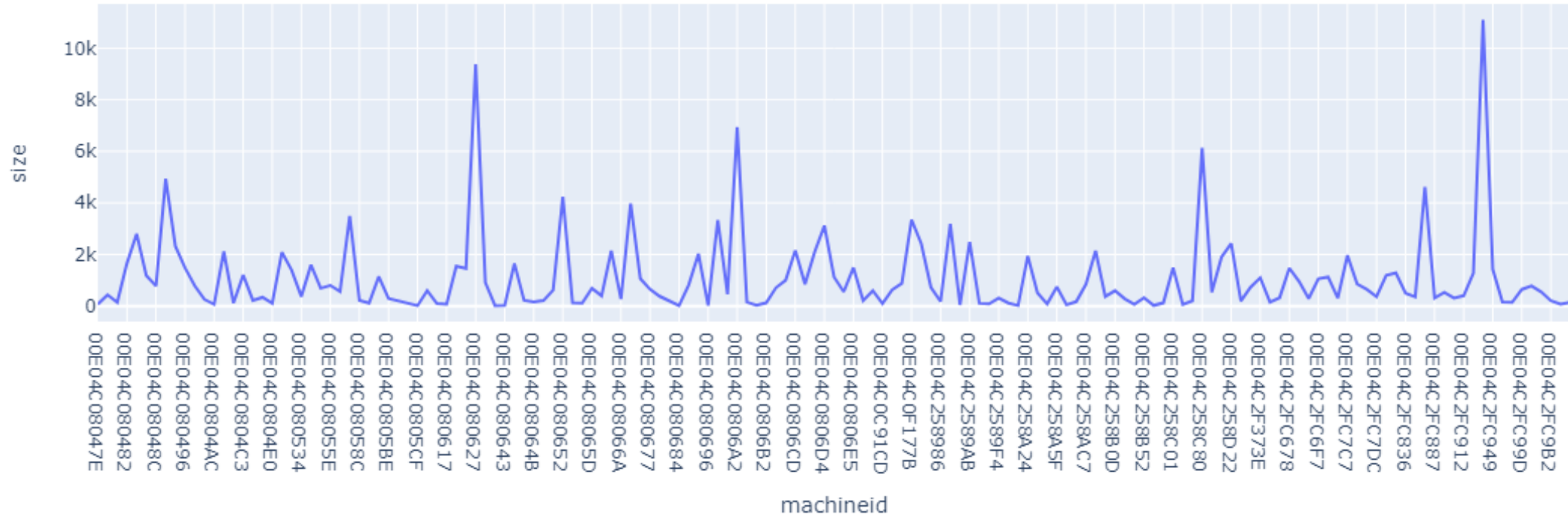
150 Machine IDs



Product Delivery Failure

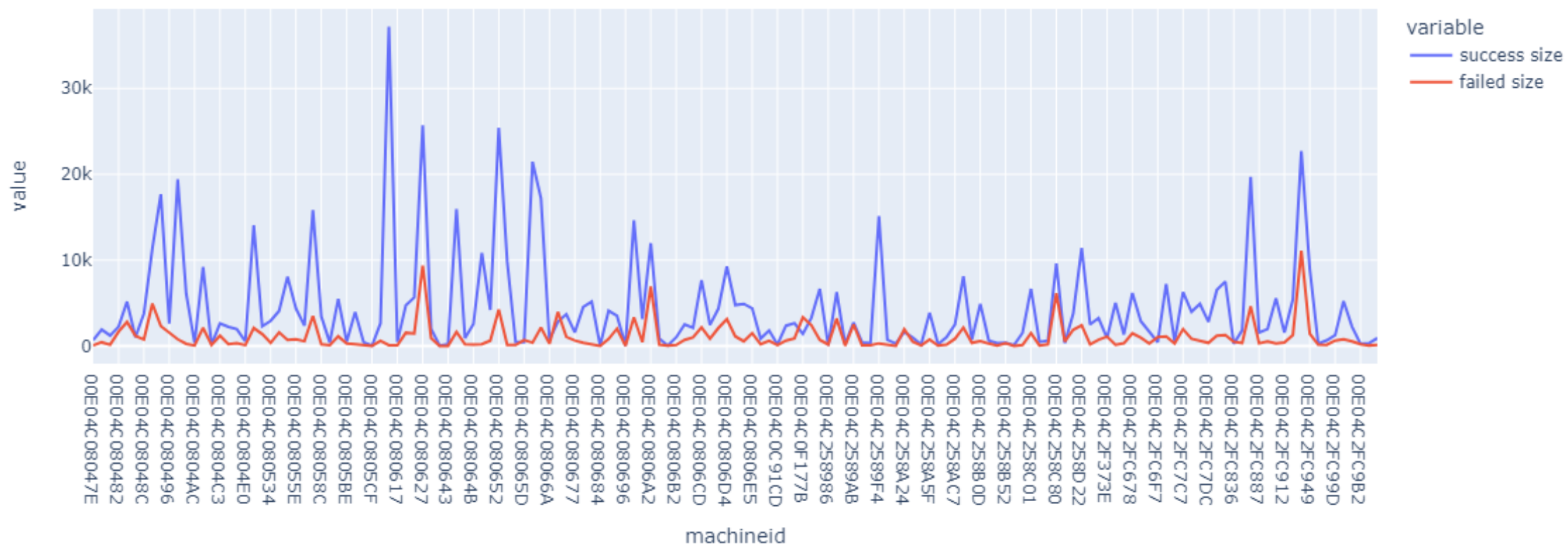
150 Machine IDs

Product delivery failure



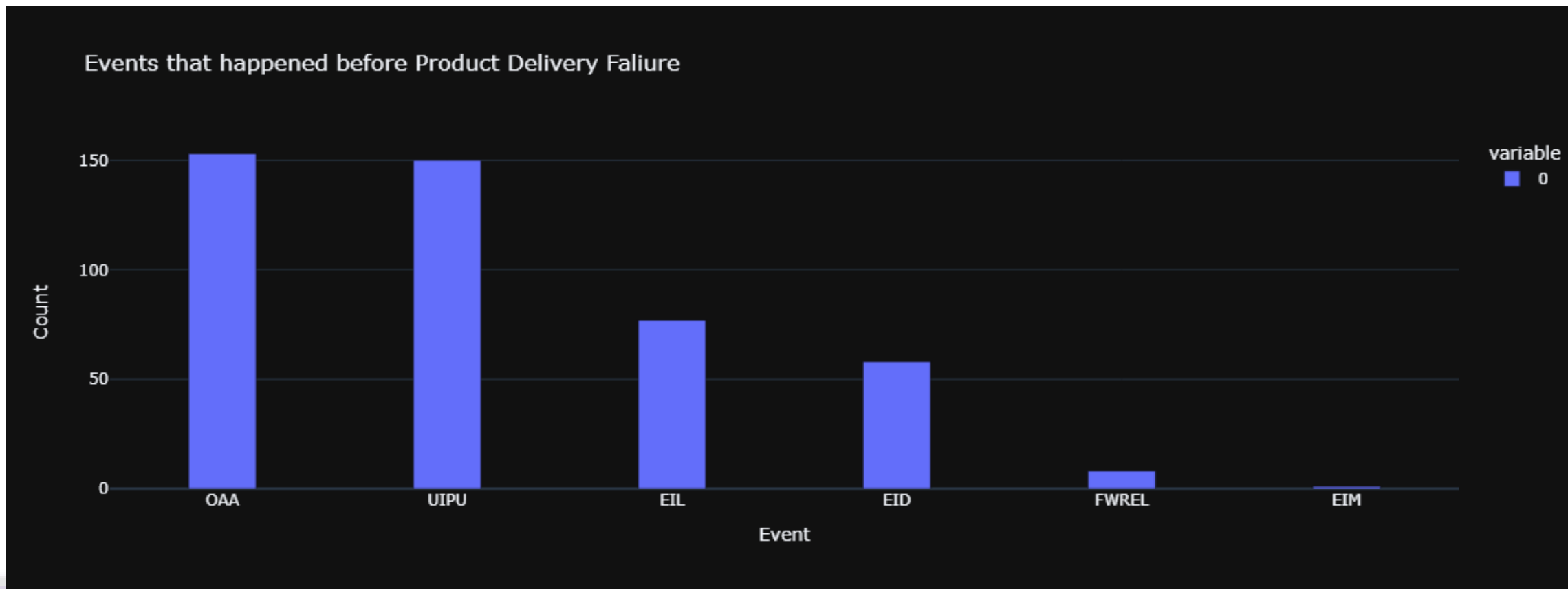
Successful Delivery Vs Product Delivery Failure

150 Machine IDs



Events Before Product Delivery Failure

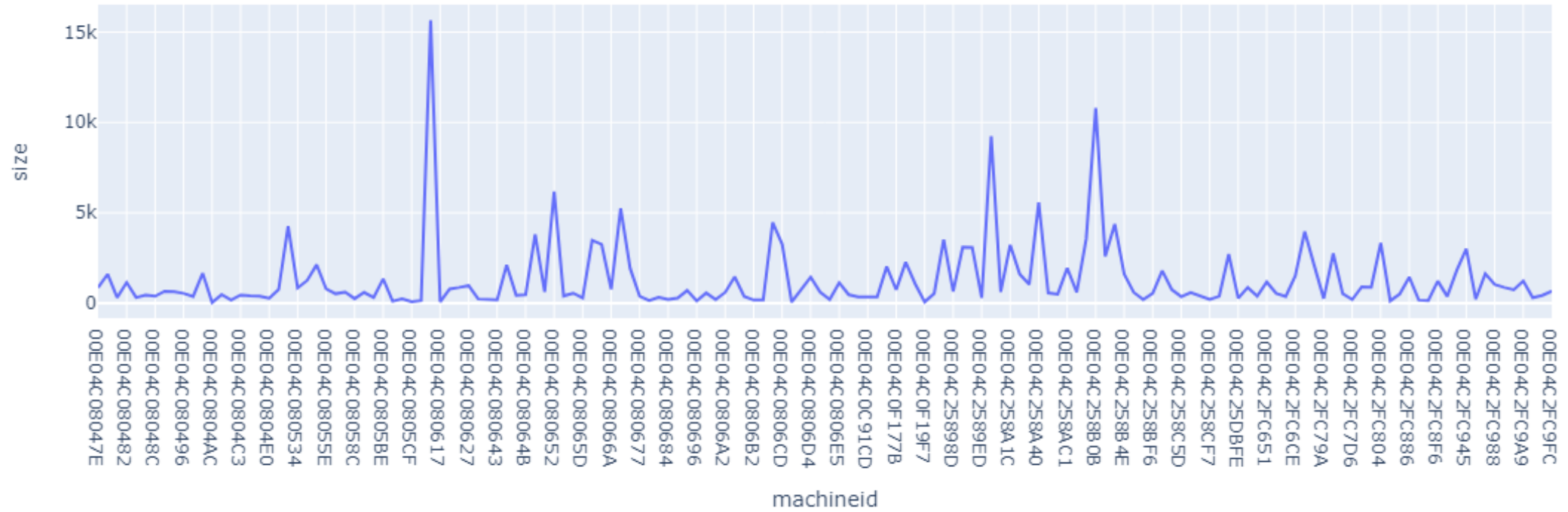
154 Machine IDs



Internet Status Issue

150 Machine IDs

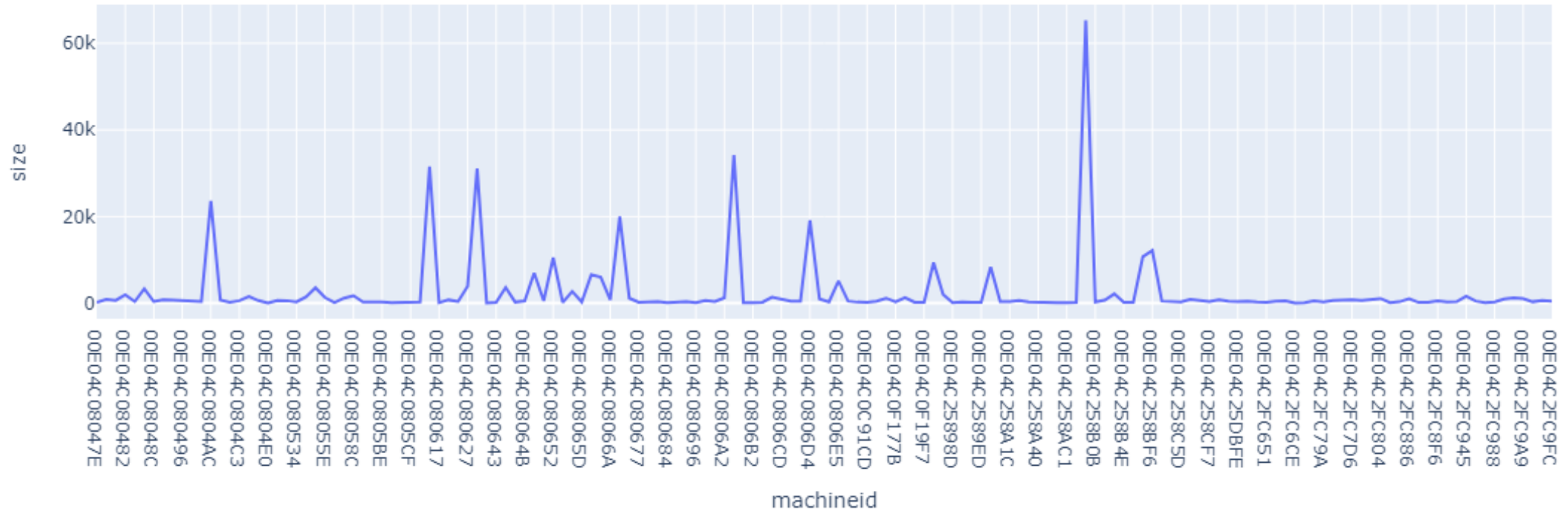
Internet status issue



VMC Not Responding

150 Machine IDs

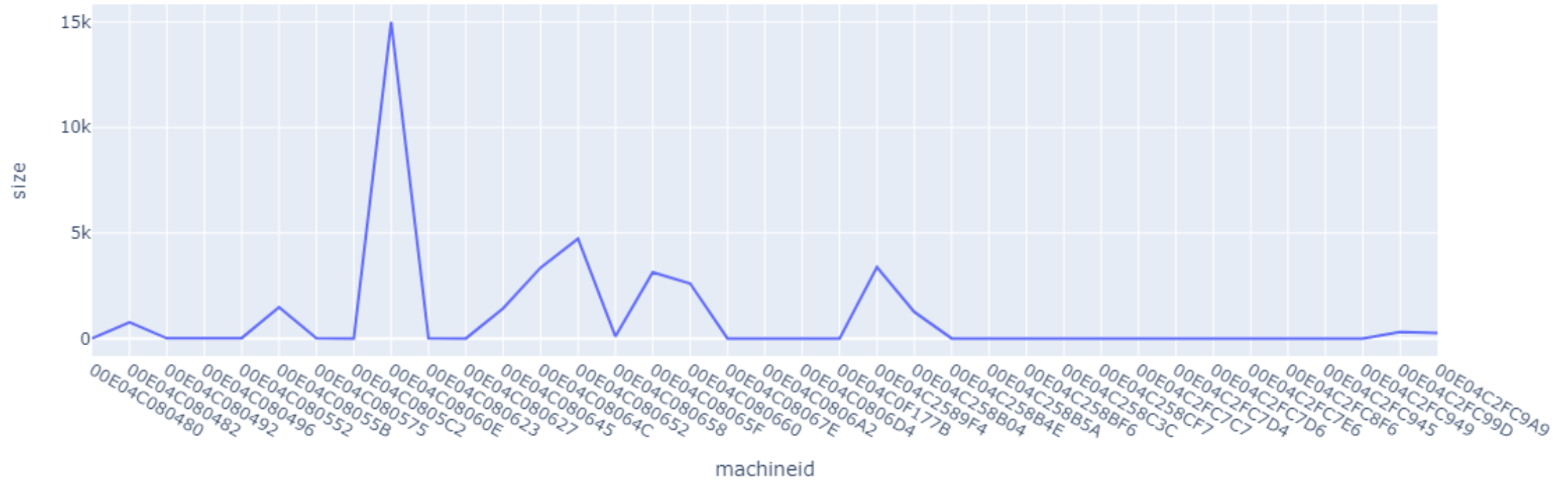
VMC Not Responding



Operating System Failure

150 Machine IDs

Operating System Failure



Mean Sugar Points for all Products

154 Machine IDs



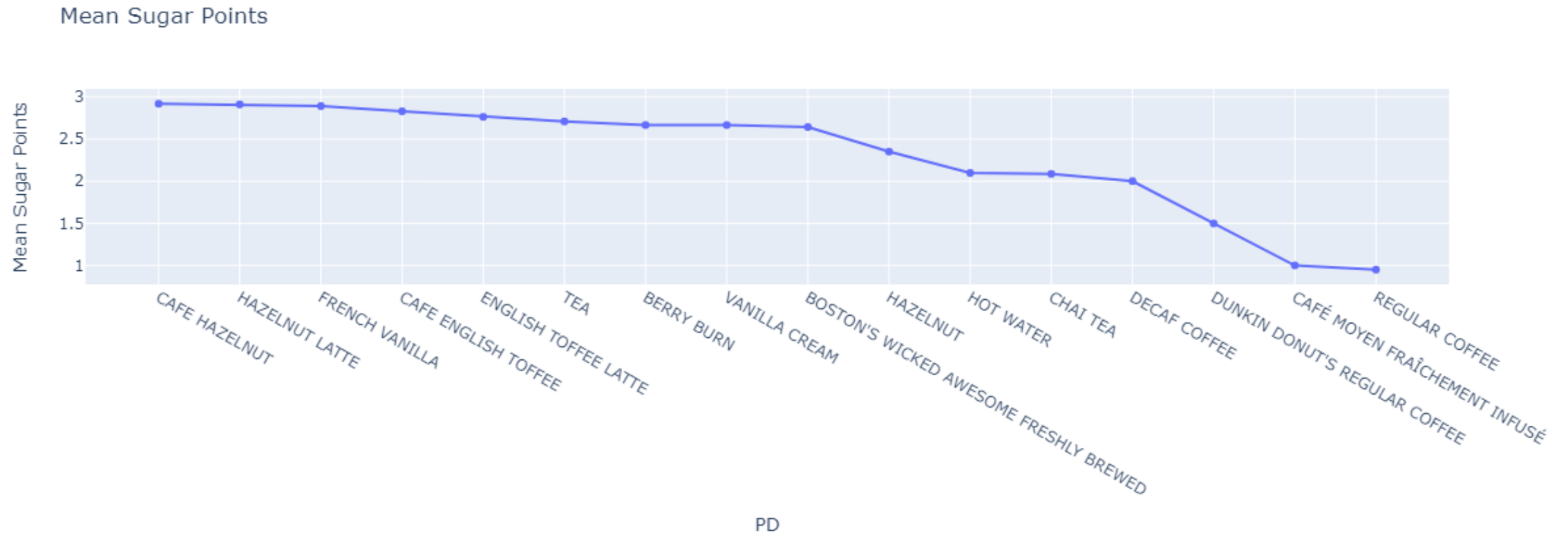
Mean Sugar Points for all Products

154 Machine IDs



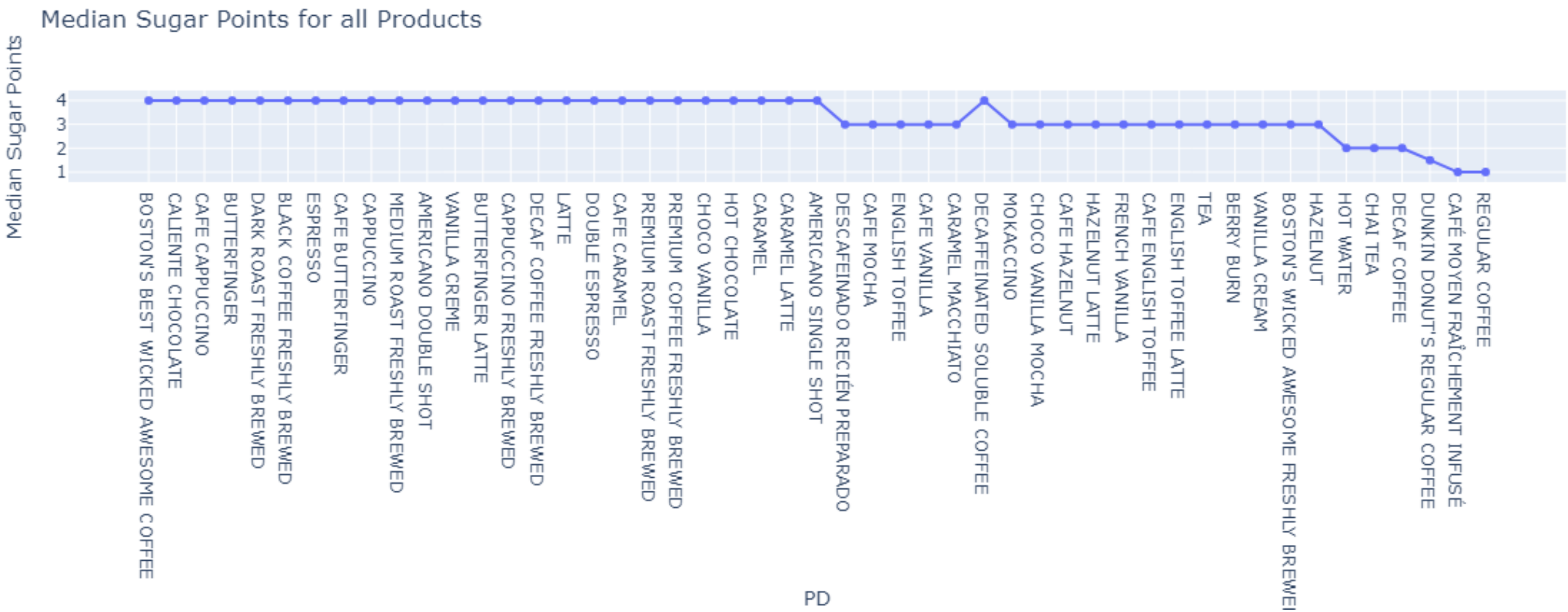
Mean Sugar Points for all Products

154 Machine IDs



Median Sugar Points for all Products

154 Machine IDs



25th Percentile Sugar Points for all Products

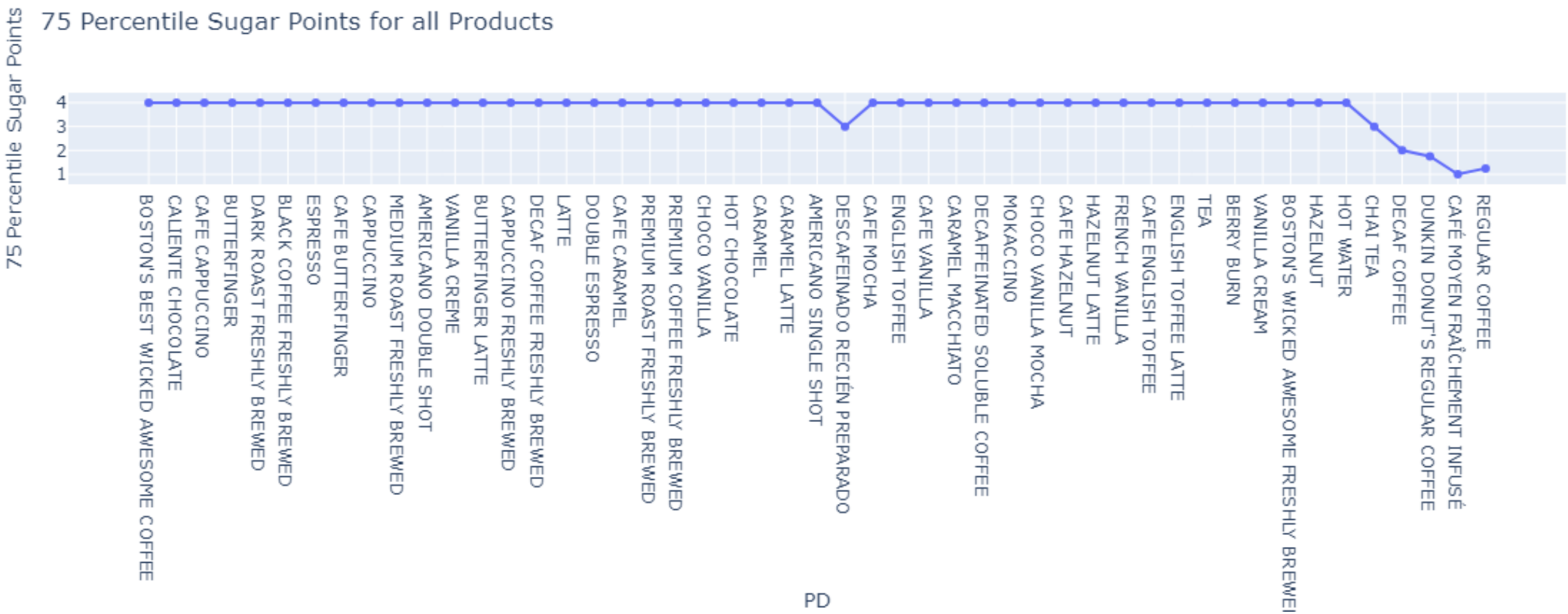
154 Machine IDs



PD

75th Percentile Sugar Points for all Products

154 Machine IDs





Thank you