

Manufacturing Downtime project

This data tracks Productivity & downtime data for a soda bottling production line, including information on the operator, product, start & end times, and downtime factors for each batch.

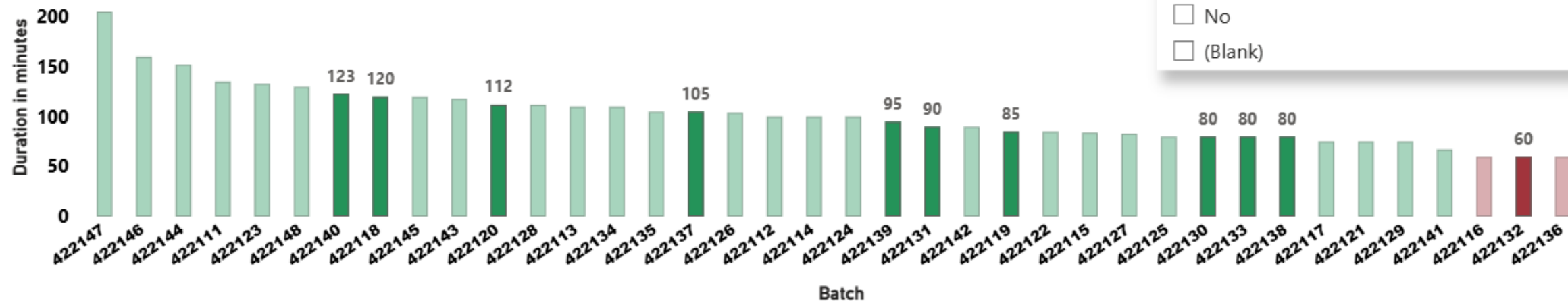
After examining the data we had four main questionnaires:

- 1.What's the current line efficiency? (total time / min time)**
- 2.Are any operators underperforming?**
- 3.What are the leading factors for downtime?**
- 4.Do any operators struggle with particular types of operator error?**

All these questions we have answered using the following slide which represent the insights to answer each question.

Batch manufacturing time

Actual batch time > min batch time ● True ● False



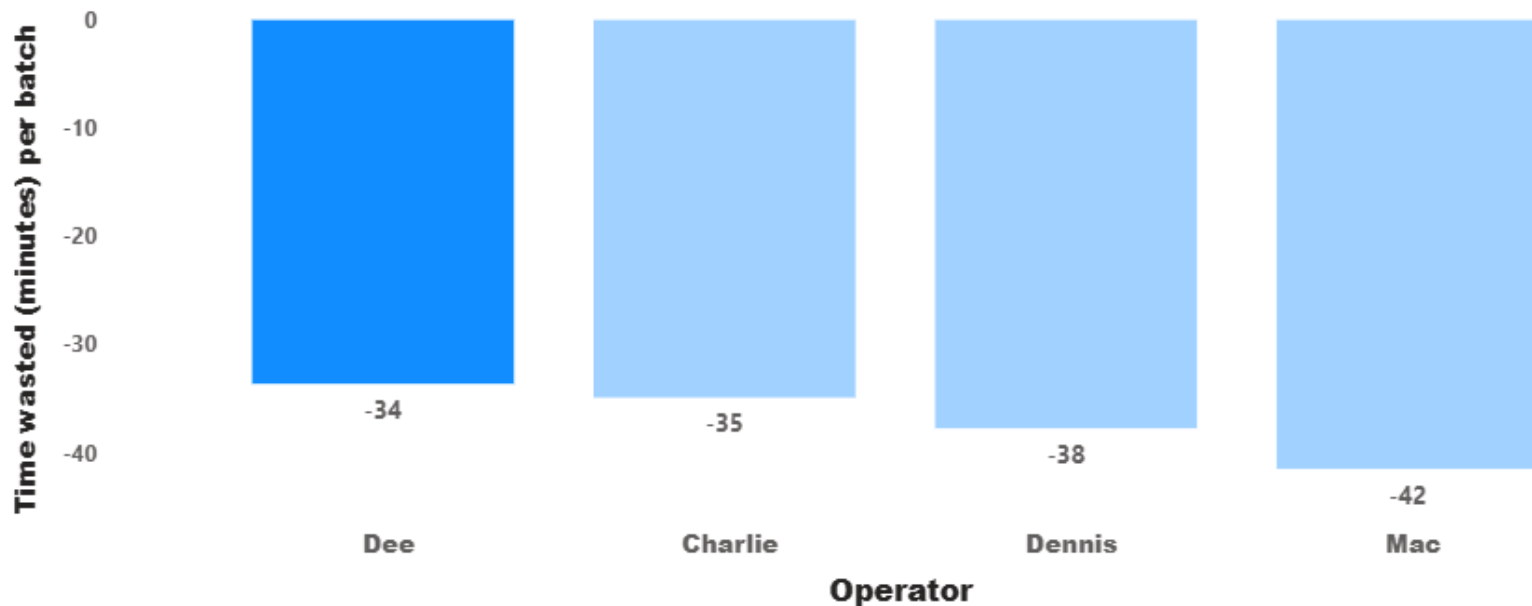
Is the delay an operator Error

☐ Yes

☐ No

☐ (Blank)

Operator performance



1030

Total batches duration (minutes) per operator

660

Total batches min time per operator

11

Number of batches per operator

operators struggle with every operator error

