**Final Project – Question’s List (Manufacturing Downtime)**

**1. Line Productivity**

* How many units were produced per batch and operator?
* What is the average production time per batch?
* Which operator has handled the most production time?
* What is the busiest time of day for production?
* How does production volume vary by date?
* Are there any patterns in production based on shift timings?

**2. Products**

* What is the most frequently produced product?
* How does batch time vary between different products?
* Which product has the highest production efficiency?
* Are certain flavors produced more frequently on specific days?
* How does product size impact batch time?

**3. Downtime Factors**

* What are the most common causes of downtime?
* How often do operator errors contribute to downtime?
* Which downtime factors have the longest duration?
* How frequently does each type of downtime occur?
* Are there patterns in downtime based on time of day or shift?

**4. Line Downtime**

* What is the total downtime per batch?
* Which batches experienced the most downtime?
* What percentage of total production time is lost to downtime?
* Which downtime factor contributed the most to total lost time?
* How does downtime vary across different production runs?