Sheets, SQL and Visualisation

Going to enter data of the current stock the business has into [Google Sheets](https://docs.google.com/spreadsheets/u/0/d/1rlPp2wUFP4Ll8be7shZFfM3eYh8qGp9RsiXEk4roBDo/edit).

Some of the items in the inventory list have no listed manufacturer, no knowledge of where the item was bought. Instead of leaving the cells empty, I will use the “Filter” option in each column to show me the blanks and fill the cells with an appropriate value. E.g if the manufacturer is not known, the text “Unknown” will be used.

I will use an IF statement to decide whether the quantity of a certain item requires attention i.e is the item in a low or good quantity (see “status” column)

The “If” statement used: =if(E2 < 3, "Low", "Good")

The statement was dragged down to the remaining cells.

The spreadsheet will now be uploaded to BigQuery to carry out queries the business is interested in.

Graphical user interface, text, application

Description automatically generated

As expected, 34 rows were successfully uploaded to BigQuery.

Queries

1. The business would like to know how many products have manufacturers that are “Unknown”. What are those products? **All Towels, Eye protection and Box of 100 waxing strips.**

SELECT product\_manufacturer, product\_name, COUNT(\*) as unk\_pm

FROM `inventory-control-managment.inventorydataset.inventory\_table`

WHERE product\_manufacturer = 'Unknown'

GROUP BY product\_manufacturer, product\_name

ORDER BY product\_manufacturer DESC;

  Results:

|  |  |  |
| --- | --- | --- |
| product\_manufacturer | product\_name | unk\_pm |
| Unknown | Towels | 8 |
| Unknown | Box of 100 Waxing Strips | 1 |
| Unknown | Eye Protection | 1 |

1. List of different items they have? Xxx
2. How many of the products are sourced from an, “Unknown” place?
3. What item do they hold the most of?
4. What’s the most expensive item?
5. Which items require attention i.e low in stock?
6. Average price of the listed items? 18.97
7. Where are most of the products bought from?