## **Supplier Quality**

THE BRIEF

You are working with a manufacturer who **receives and orders** a number of raw materials which are then **used in production or for general maintenance.**

Currently there is no procurement system in place and no way for the companies to validate **which suppliers are providing us with quality goods** and which are not.

There is also **no consistency between different plants and the vendors** we are purchasing from.

**The programme management team** has identified the need to **centralize and understand supplier quality as a priority.**

There has been a major effort in recent weeks to consolidate the data.

The team have now managed to gather **data from across the plants with information around the material, defect and vendor.**

They have also managed to get the **number of defective materials** and also provided a value for the **minutes of downtime** caused by the defective material.

The management team are now looking for some help to visualize and extrapolate the findings from this data.

Enterprise Manufacturers Ltd are slowly adopting Power Bi within their organization as such one of the analysts has made an effort at starting to model the data.

Given the importance of the project and urgency management have decided to enlist the experts to get this over the line.

Some key questions the business want answering are;

* **Which vendors/plants are causing the greatest defect quantity?**
* **Which vendors/plants are causing the greatest downtime?**
* **Is there a particular combination of material and vendor that perform poorly?**
* **Is there a particular combination of Vendor and plant that performs poorly?**
* **How does the same vendor and material perform across different plants?**

The business is hoping that you can help answer these questions and maybe even provide some insights that they may have overlooked.

[Dataset](https://docs.google.com/spreadsheets/d/1nwO4VG5U2cklj5OoDpx6U1j0voGm-9zW/edit?usp=drive_link&ouid=106373350318822195700&rtpof=true&sd=true)

## **Insurance Data**

THE BRIEF

You are working at a large insurance company who are due to undergo an internal audit with regards to their complaint’s procedure.

The company is forward thinking and currently has a data warehouse in place alongside several models.

Management has asked you to look at the model and produce insights for the management level that can highlight any issues and prepare them for the audit.

Given your recent work they have complete trust in your ability and have given you freedom to present this back as you see fit.

Some factors to consider:

* The most recent 2 years of data is what most stakeholders are interested in
* The ability to see status changes and when they happened
* Complaints broken down by the dimensions
* Client Satisfaction
* Worst offending brokers