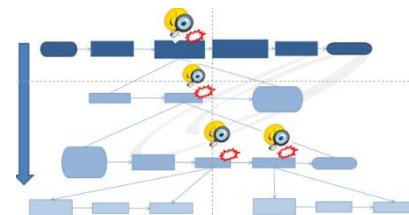


Continuous improvement in Aquisitions

Aquisition process, like any process, is composed of a sequence of operations that transform inputs into outputs and adds value. When we talk about entries we think of course about suppliers and performance of their products, including their evaluation, which is also an IATF 16949 standard requirement.

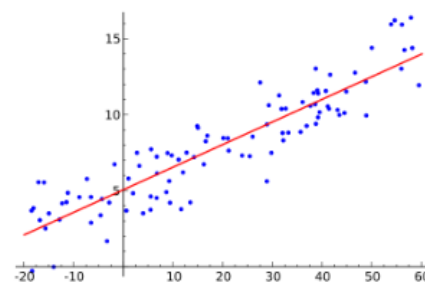
Therefore, evaluating of suppliers and monitoring their performance are the main actions, through we can make the exit or exits from our production process to be performants. But this can be done using the tools of continuous improvement as:

Process map – in order to study (to improve) the aquisition process;



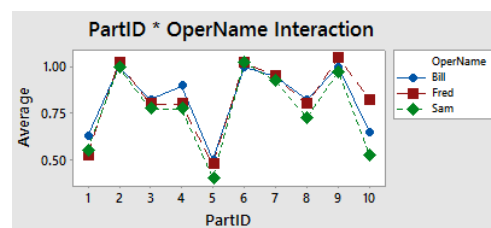
Data analysis (MINITAB – using ANOVA and 2 Sample T-Test) – o analyze the differences between suppliers; To analyze the data, first we must collect the data and here we have an opportunity to understand how to collect reliable data. In the same time to analyze the in time we need to know control charts which is studied in Statistical Process Control.

Also MINITAB we can use (**Regression**) – in the case we want to minimize the price for example, or to study the relation price – quality through the time of using (specific consumption) products from multiple suppliers.



Hypothesis testing, an advanced chapter also helps us to demonstrate a lot of assumptions that may be linked to the performance of suppliers

MSA (Measurement System Analysis) - to be convinced that the parameters represented by the data we have from our suppliers or from our own laboratories representing the parametres of purchased products are correctly measured or the measurement errors are acceptable.



Problem solving methodologies can be adapted easily to the process of acquisition, especially **8D** methodology - used a lot in complaints or claims, chapter that purchases personell must be experts in the interpretation of reports received from suppliers.

Other than 8D as the main problem-solving tools we can mention:

- Cause – Effect Diagram (Ishikawa)
- 5 Why?
- Pareto



We invite you to Effective Flux trainings to learn about the advantages of continuous improvement.