



PREDICTIVE MAINTENANCE



Problem: To predict the failure of the process based on its parameters.

Data: The dataset consists of 8648 counts for various processes with 31 different process parameters related to the 3D position, voltage, current, noise, vibrations, temperature, luminosity, forces, process and preparation time of the process.

Scope: Exploratory Data analysis using Tableau, development of the model to predict the process failure using Python, building a GUI.

Benefits:



Labor utilization
Production capacity
Equipment lifetime



Downtime
Maintenance costs