Task:

You receive data from a CNC machine that contains a column called “tool\_condition”. It gives indications on whether the tool used was worn or new. Your job is to construct a model that explains “tool\_condition” by its inputs from 18 experiments. Please prepare a short 10-minute presentation, specifically considering the following points:

1. What algorithm did you choose and why?
2. Display of your tool wear detection code and the results
3. Interpretation of your results
4. What challenges did you face? Where did you fail with your approach?