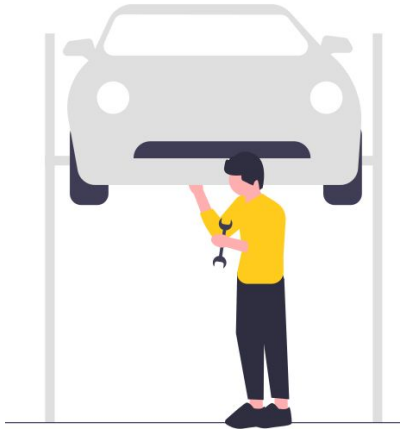


Reduce 50% of machine failures by proactively monitoring sensor readings

Berrijam AI explored Torque, Rotational Speed, Air Temperature, Process Temperature, Tool Wear and Machine Type.

Although machine failure happens about 3%, Berrijam AI's models can predict them **1300%** better than random guessing.



Torque (Nm) ≤ 59.92 and
Rotational speed (RPM) ≤ 1366.72 and
Air temperature (K) > 301.94 and
Process temperature (K) ≤ 311.61

62% chance of failure

Torque (Nm) > 59.92 and
Tool wear (min) ≤ 166.94 and
Air temperature (K) > 301.93 and
Process temperature (K) ≤ 312.71

87% chance of failure

Torque (Nm) > 59.92 and
Tool wear (min) > 166.94 and
Rotational speed (RPM) > 1193.72 and
Process temperature (K) ≤ 311.45

72% chance of failure

Keeping machine readings outside of these sensor ranges could reduce machine failure by **50%**