

Problem Statement Worksheet – Nordic Sensing

What could be the cause for the sudden spike in sensor failures from 1-2 % to 15%?

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1 Context

The cause of the increase in sensor failures is currently unknown, could be because of faulty parts, poor manufacturing, or specific to a particular factory. It is important that we address this issue because we've received 3 large orders from our clients.

2 Criteria for success

Employ data science methods such as A, B, and C in order to identify the root cause of the increase in sensor failure rates.

3 Scope of solution space

Results of the data analysis.

4 Constraints within solution space

- **Chi-squares were not able to provide any insight as to what could be causing the problem**
- **No leads at all**
- **Limited data to work with**

5 Stakeholders to provide key insight

- VP – Tony Abraham
- Supervisor – Vince
- Manufacturing – Gary Neumont

6 Key data sources

- **Data from Cert**

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