Anomaly Detection - Exercise

Algorithms in Machine Learning, ISAE-SUPAERO

Fabrice Jimenez

Data Scientist & Artificial Intelligence Engineer

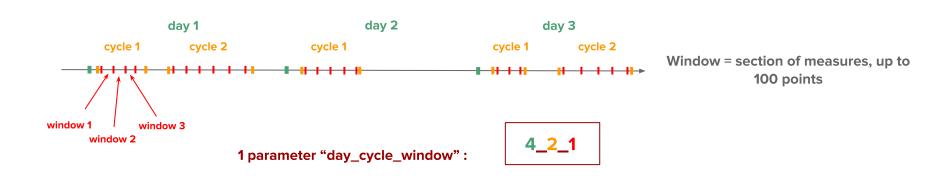
Airbus Commercial Aircraft

The dataset

Aircraft systems are recording values of parameters such as speed, temperature, pressure, electrical current values...



11 parameters recorded: p1, p2, p3, ..., p11



day 4, cycle 2, window 1

The question

An aircraft system expert comes to see you (data scientist) with this dataset, and asks you to:

"Build an algorithm to detect windows that are abnormal."



- 1/ With this information and no more, formulate the problem, and tell him what is feasible and what is not.
- 2/ Develop an approach to answer his question in the best way possible.
- 3/ Present your findings to the expert, in a way he can understand and help you validate your results...



