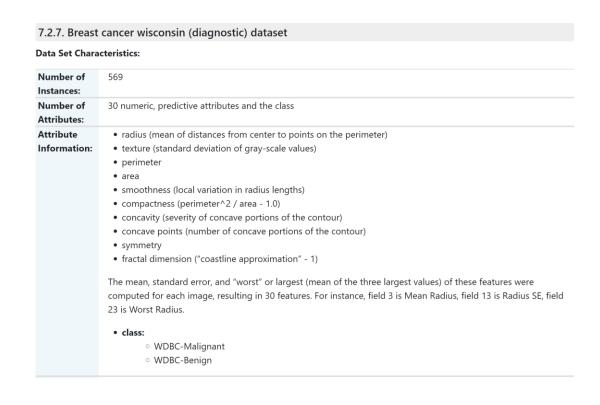
Challenge 1: Goal

- A Machine Learning system is based on these steps:
 - 1. Understand the problem and get the data
 - 2. Understand the data and analyze the features
 - Train the model
 - 4. Evaluate the performance
- In this challenge we will focus on phase 2
- The goal is to learn the basics of Scikit-learn library focusing on feature engineering, which we analyzed in the theoretical lectures



Challenge 1: Material

- For this challenge, we use a very famous toy dataset, the "Breast Cancer Wisconsin (Diagnostic)" dataset available at:
 - UCI Machine Learning Repository
 - https://archive.ics.uci.edu/ml/datasets/Breast+Ca ncer+Wisconsin+(Diagnostic)
 - Scikit-learn
 - https://scikit-learn.org/stable/datasets/index.html





Challenge 1: Method and evaluation

- Study the features and apply, if necessary:
 - transformations
 - dimensionality reduction
 - selection
- Train and test the given classifier model
- Which accuracy could you reach just acting on features without modifying the model?