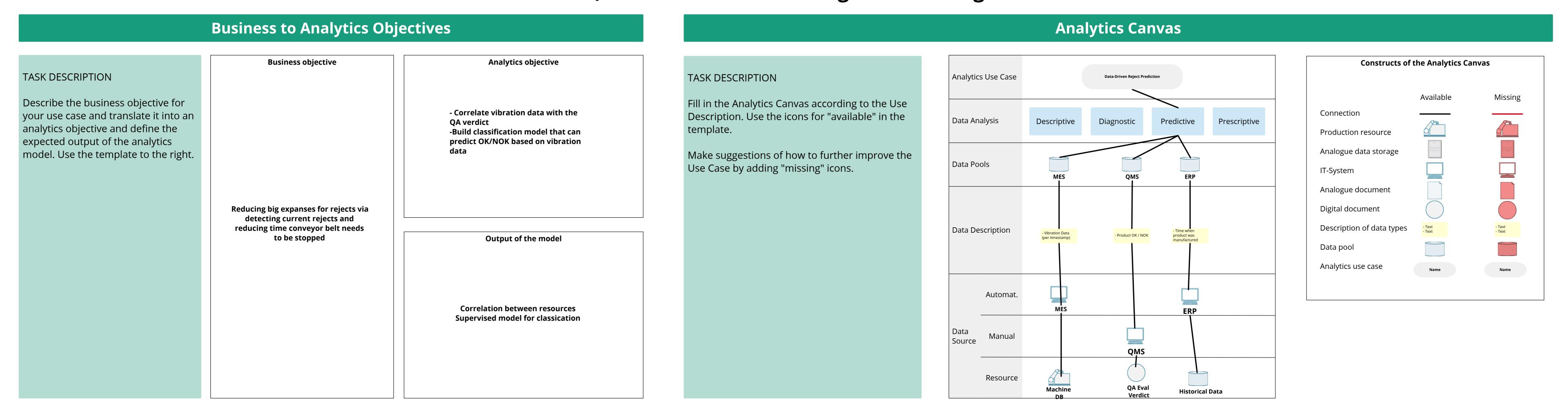
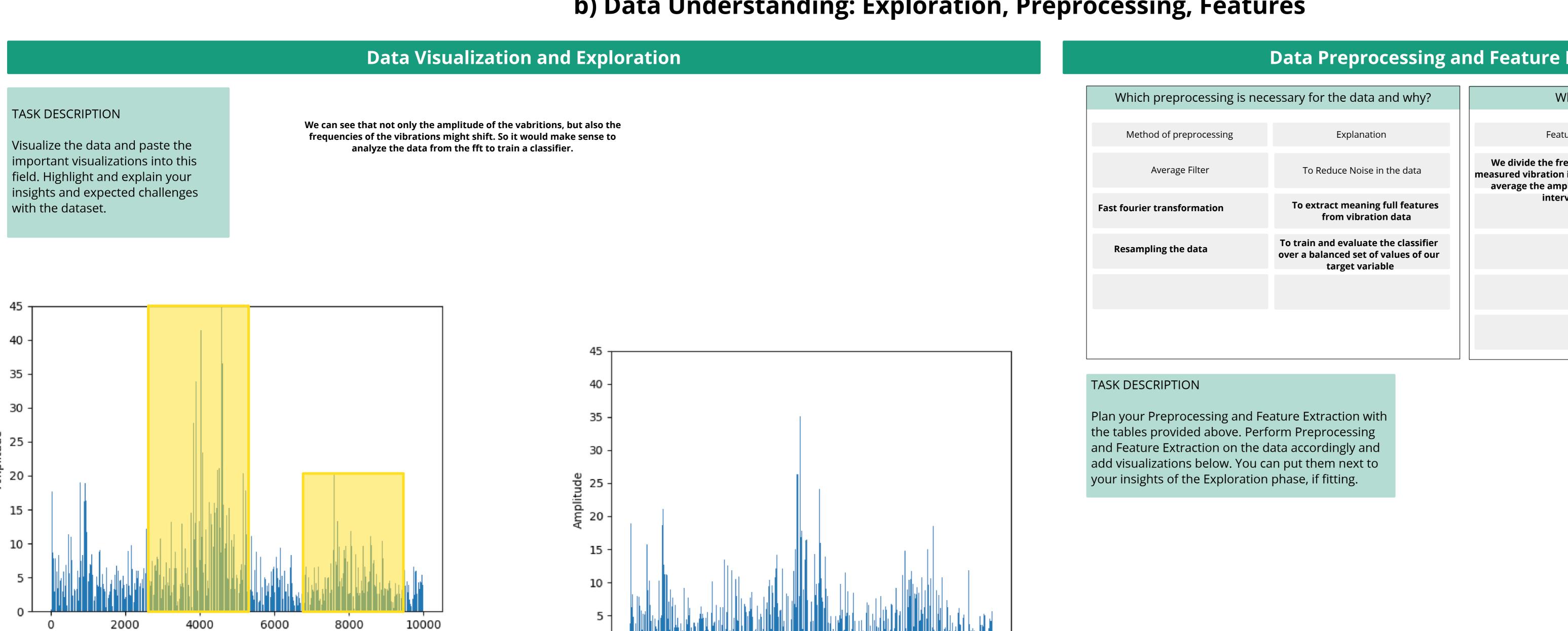


a) Use Case Understanding and Planning



b) Data Understanding: Exploration, Preprocessing, Features



6000

Frequency [Hz]

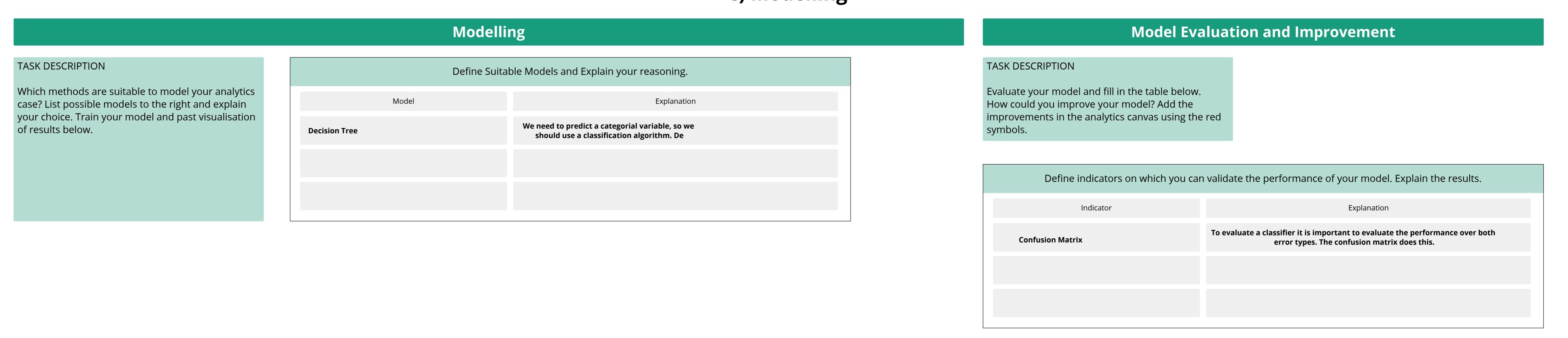
10000

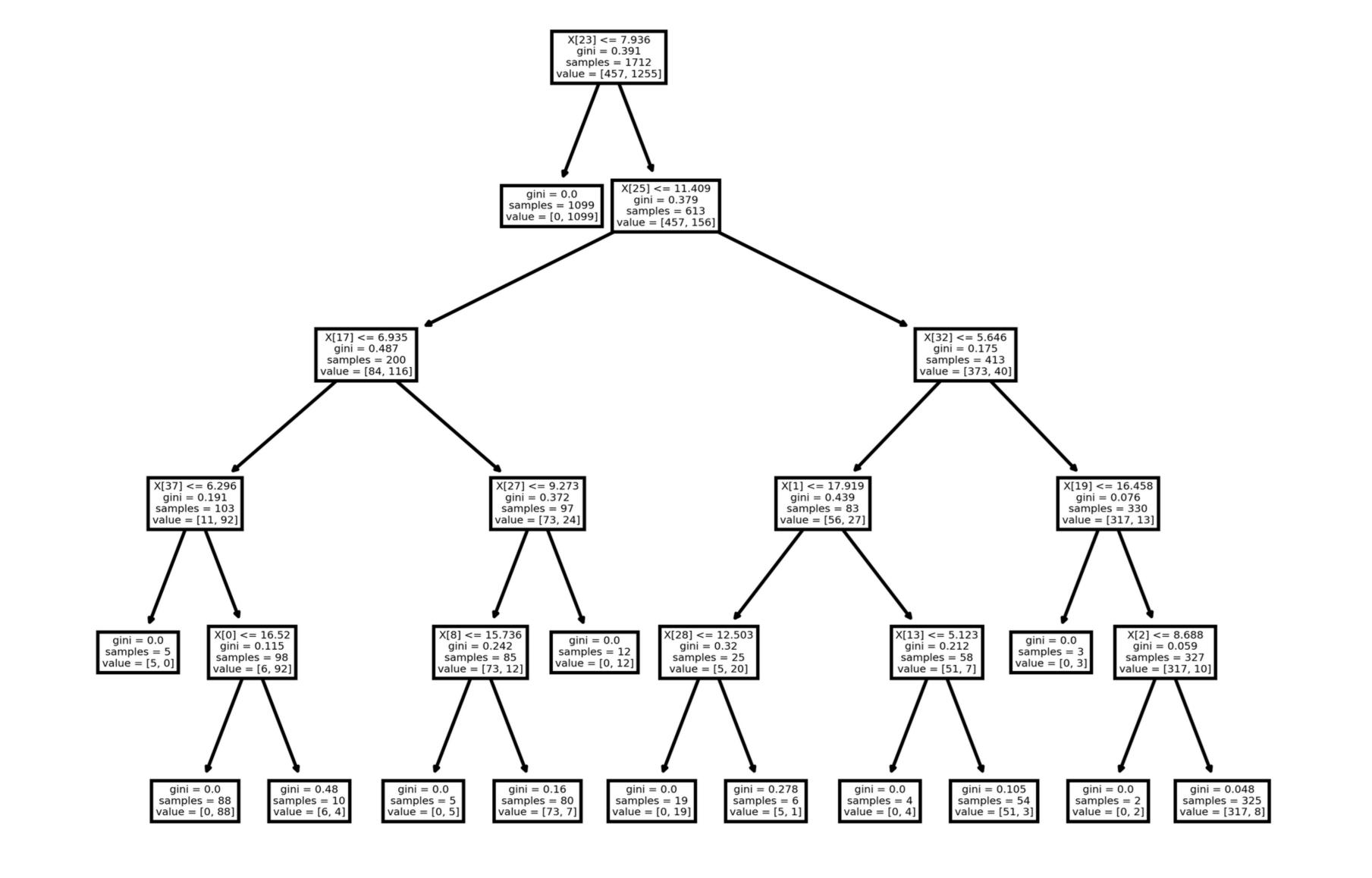
2000

4000

Data Preprocessing and Feature Extraction Which features are useful and why? Explanation Feature We divide the frequency of the We can learn what vibrations measured vibration into intervals and occured and in what intensity. average the amplitute in those **Averaging over intervals reduces** intervals nois and reduces the number of features.

c) Modelling





Frequency [Hz]

