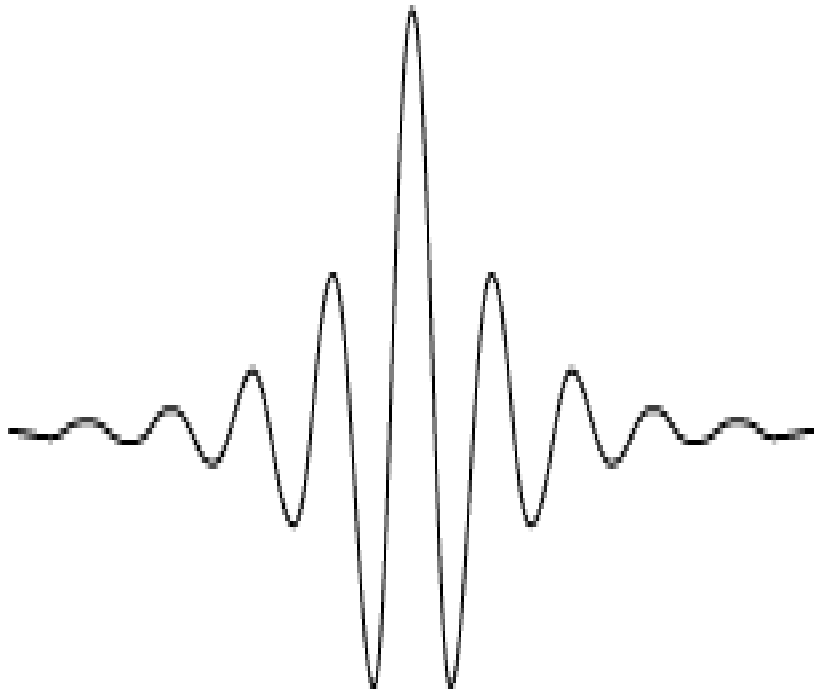


Bearing fault detection with HHT, Wavelet and statistical dispersion

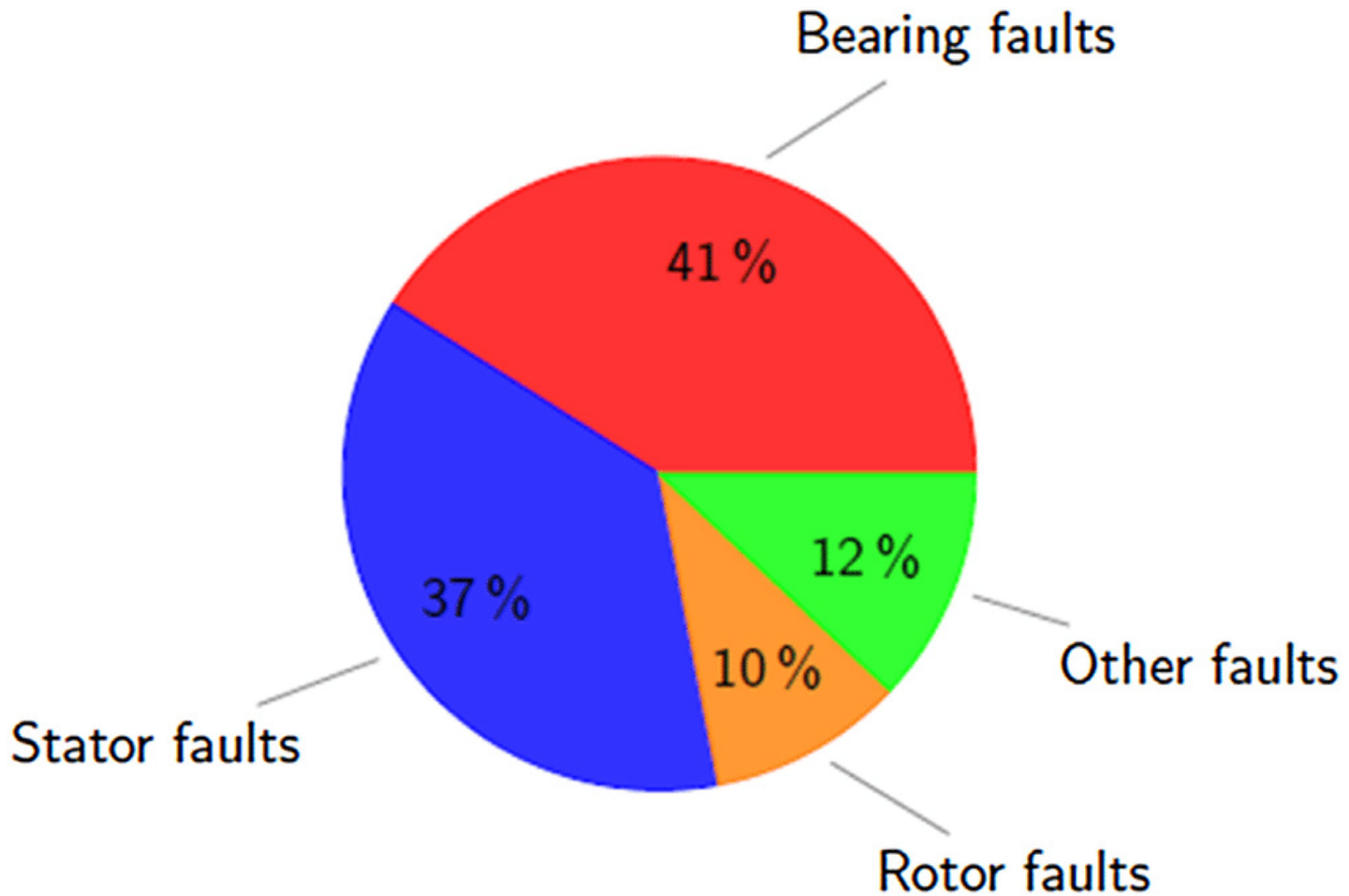


Presented by –
Yapi Donatien Achou, Data Scientist

Bearings failure can be catastrophic



Bearings fail often



Here come the heroes

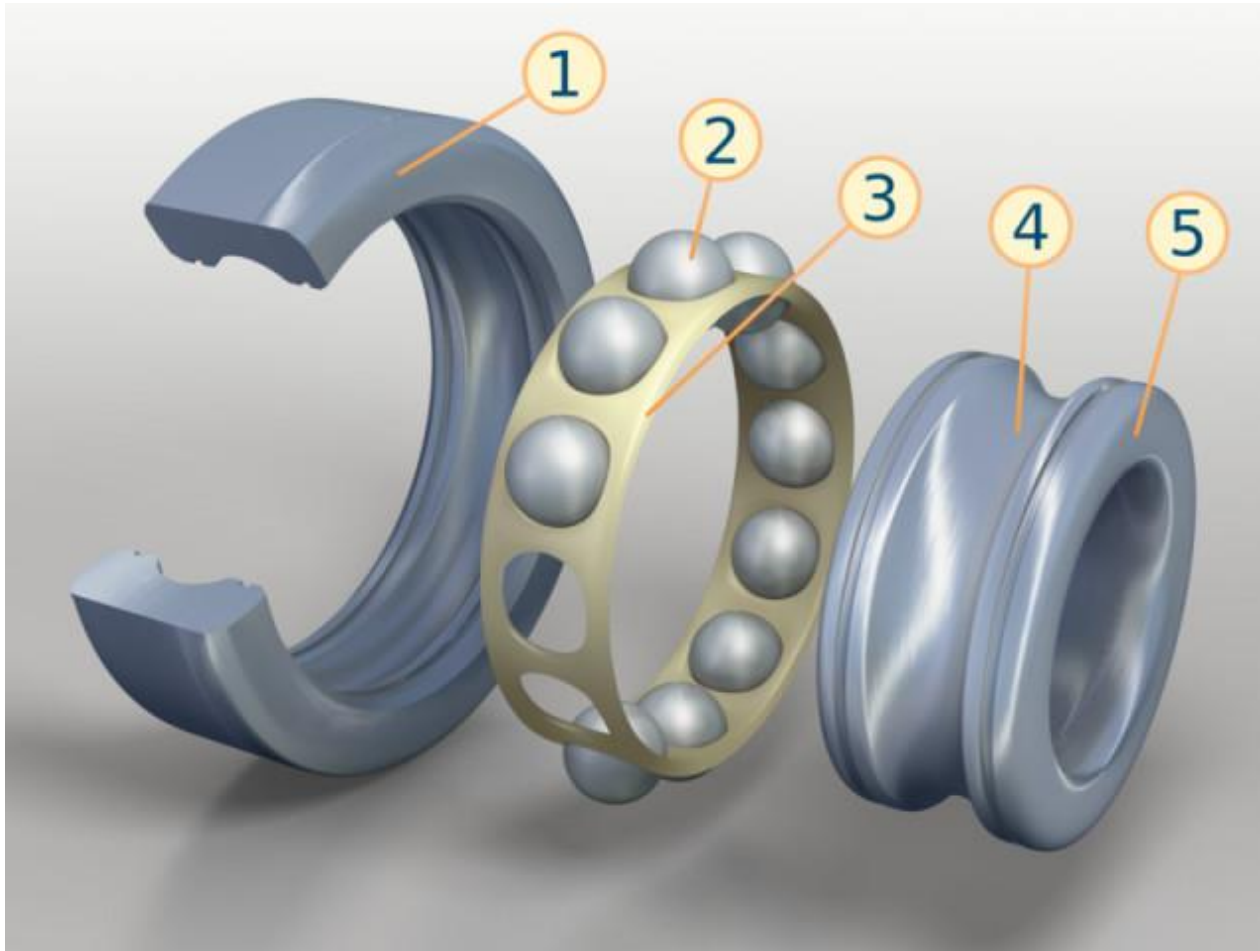


Condition monitoring

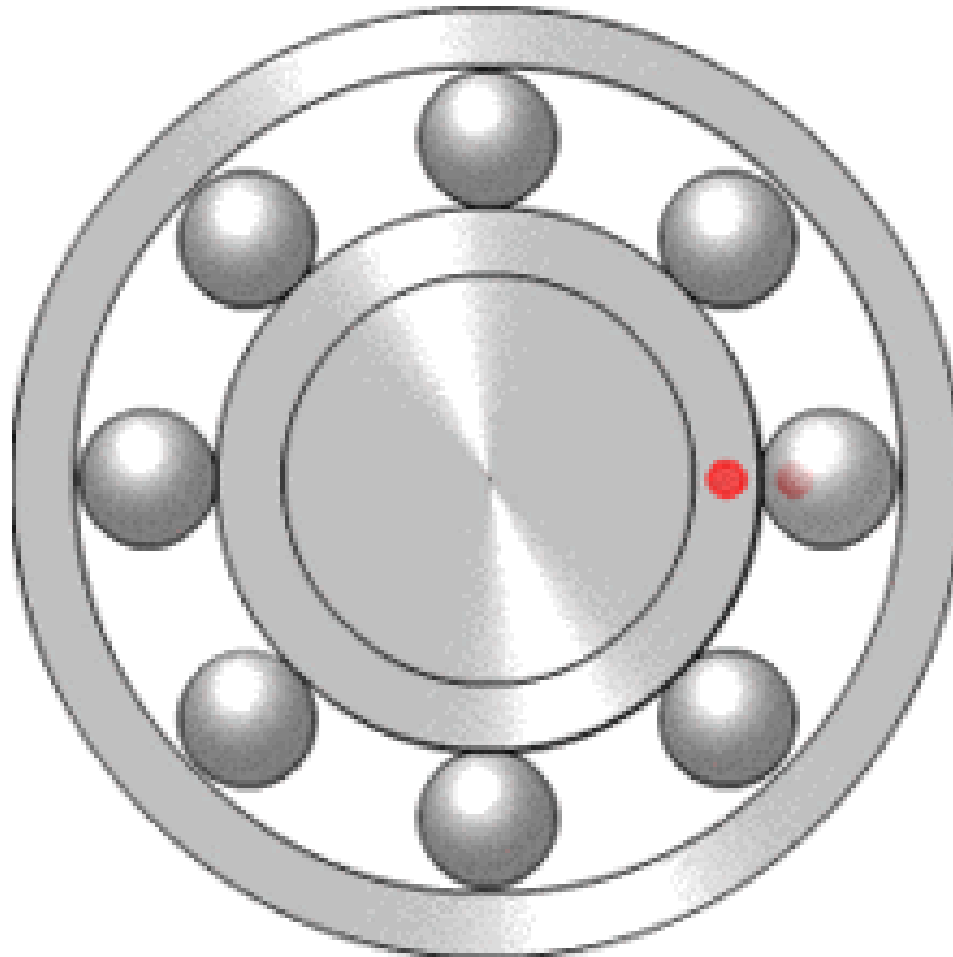
Solution department



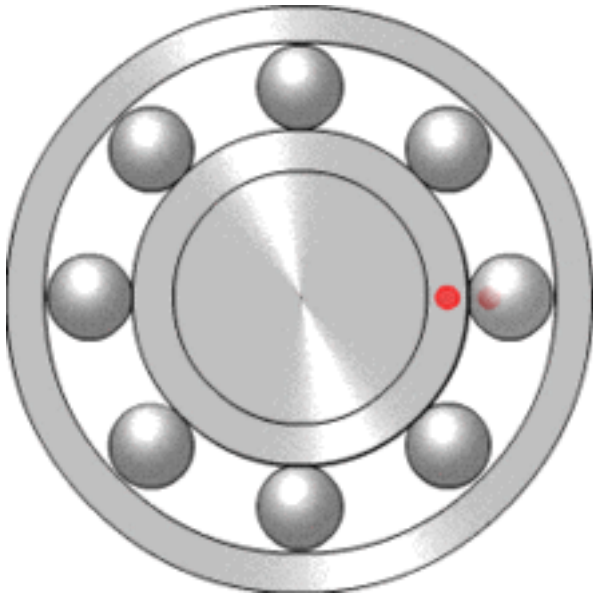
Bearing components



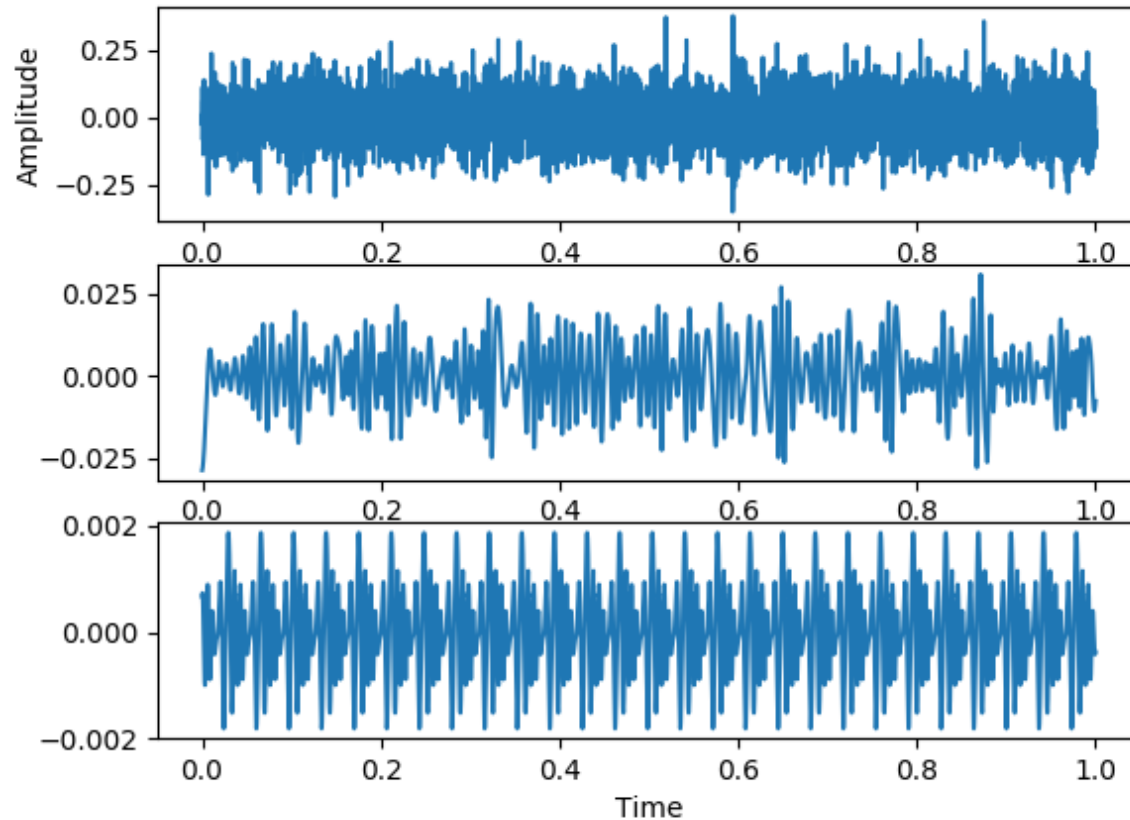
Bearing components



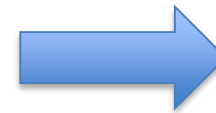
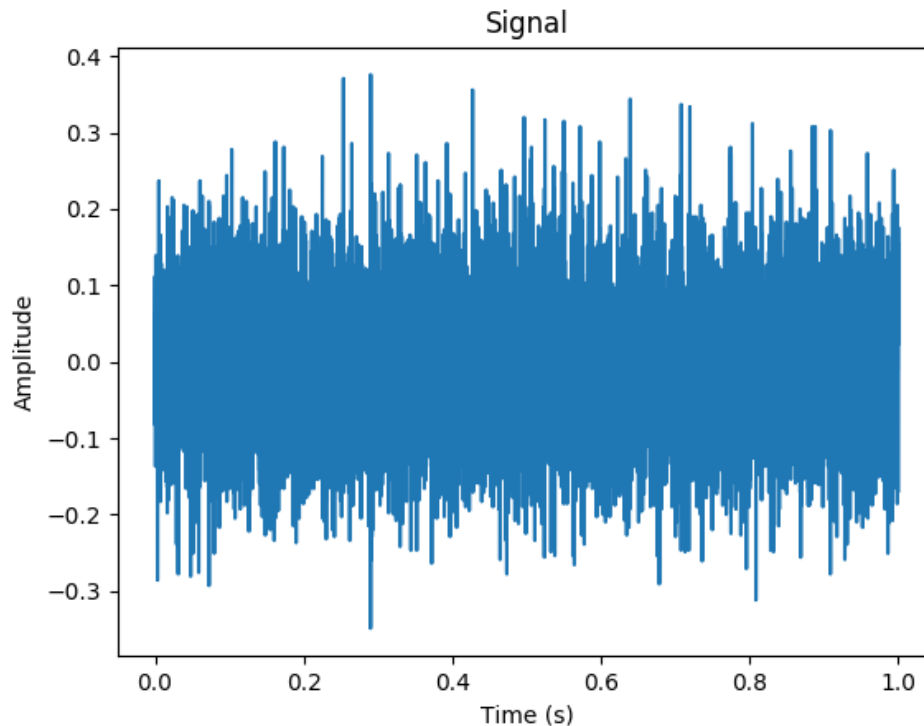
How do we see pulse



Hilbert Huang Transform (HHT) can identify pulses

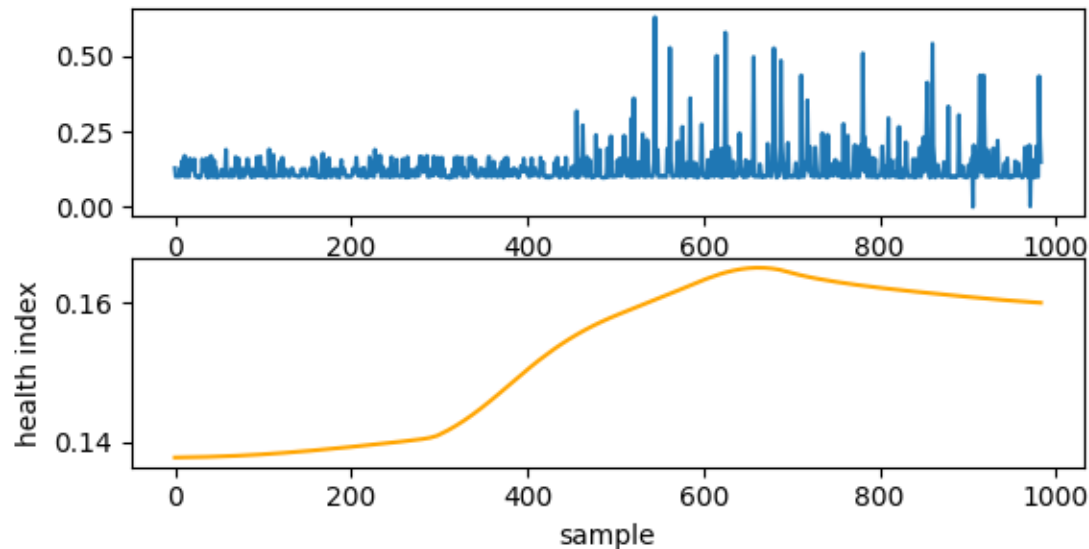


Statistical dispersion can quantify Health of bearings

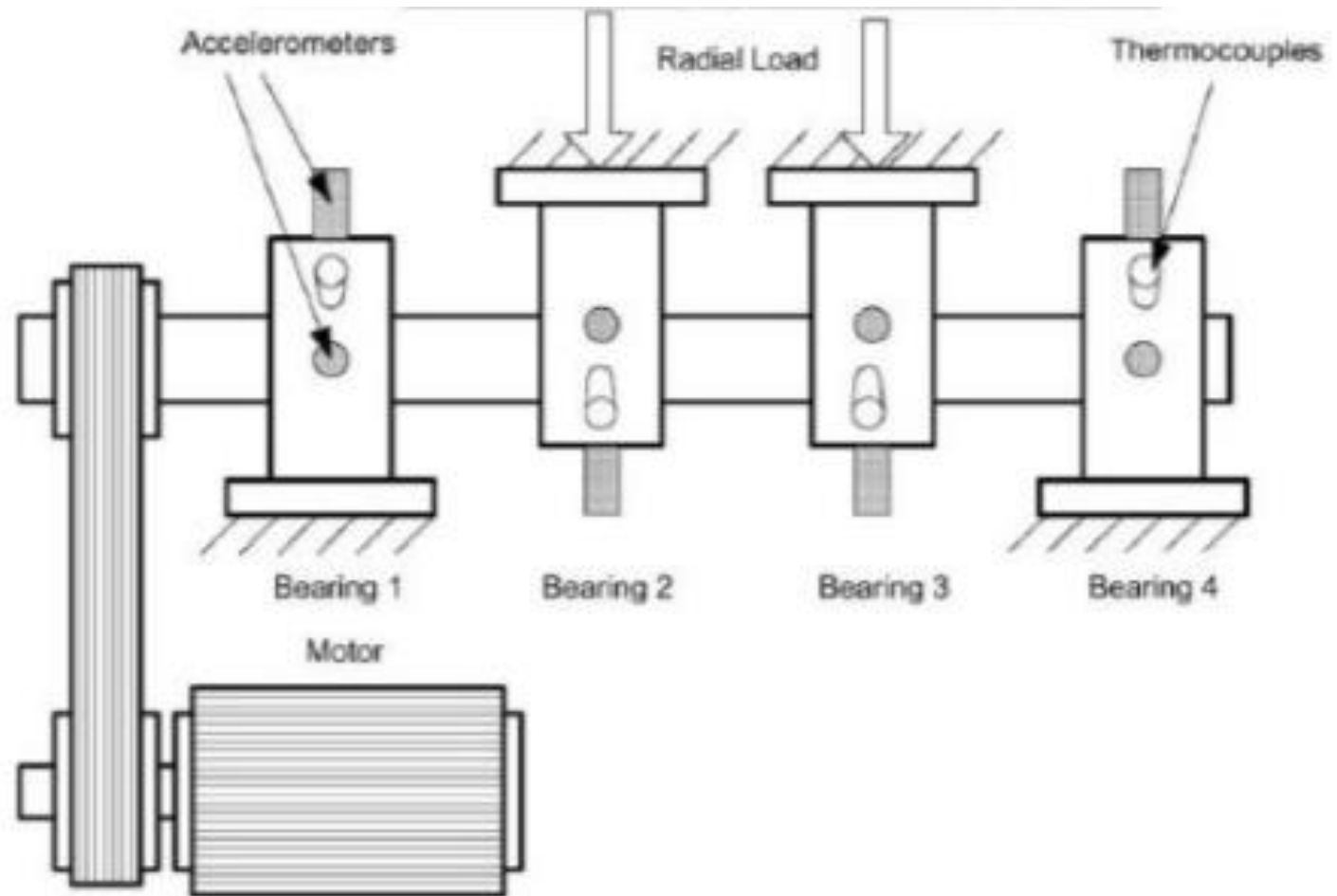


Interquartile Range (IQR)

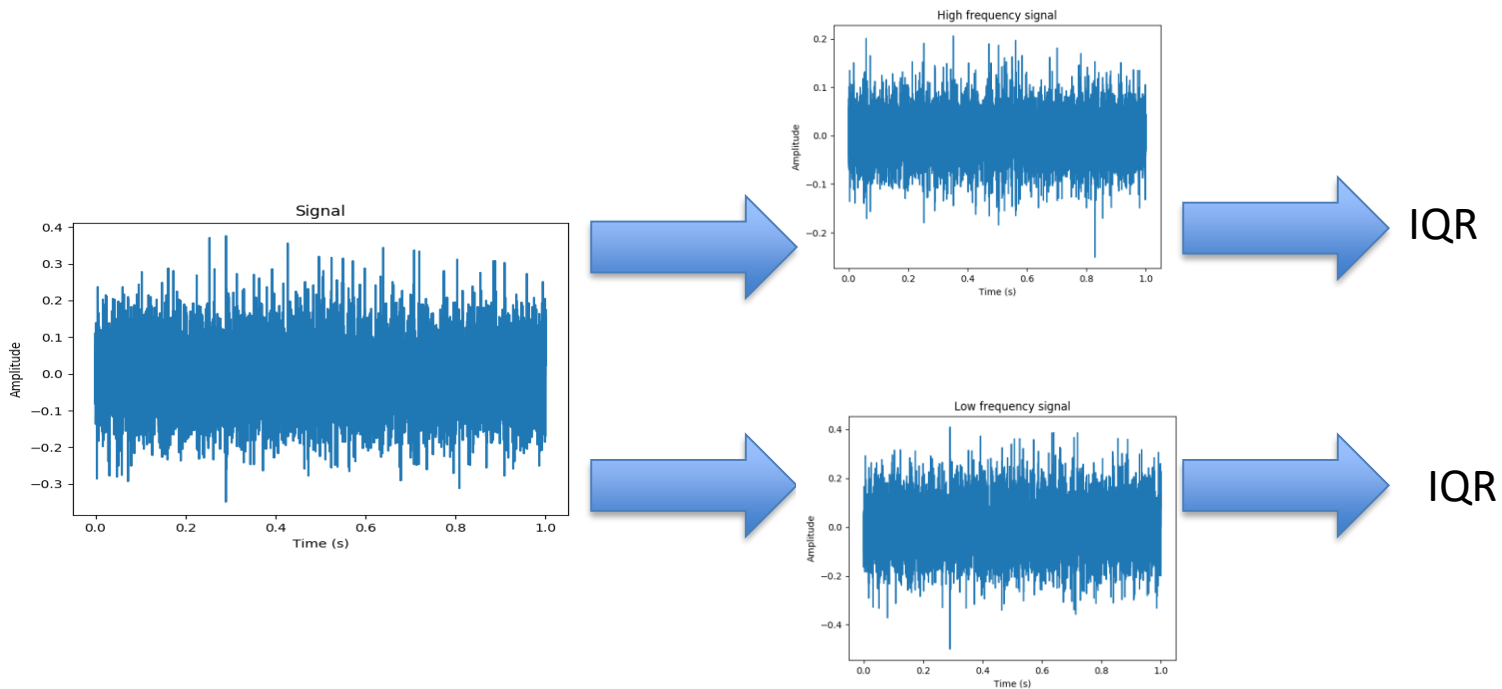
Statistical dispersion can quantify Health of bearings



How to deal with many bearings



Wavelet can classify bearings



Wavelet can classify bearings

