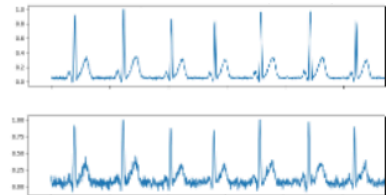
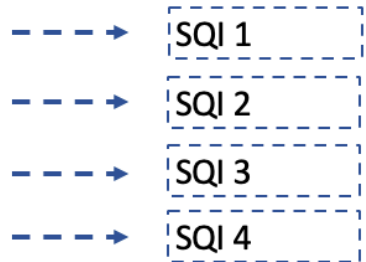


Generate synthetic ECG signals with controlled variation in noise



Assess each signal's quality using open-source SQI tools



Identify **threshold** as the maximum limit in noise that is acceptable to SQI



Determine clinical acceptance of threshold against 4 criteria



Repeat process with different forms of noise