Using modeling and machine learning to characterize POTS

Head-Up Tilt data used to differentiate POTS and control patients

Inputs

Outputs

Can Valsalva be used to identify POTS patients?

Valsalva maneuver

Model

\[ \frac{d\vec{x}}{dt} = f(x, t, \theta) \]

Heart Rate = f(x, t, \theta)

Clustering model parameters