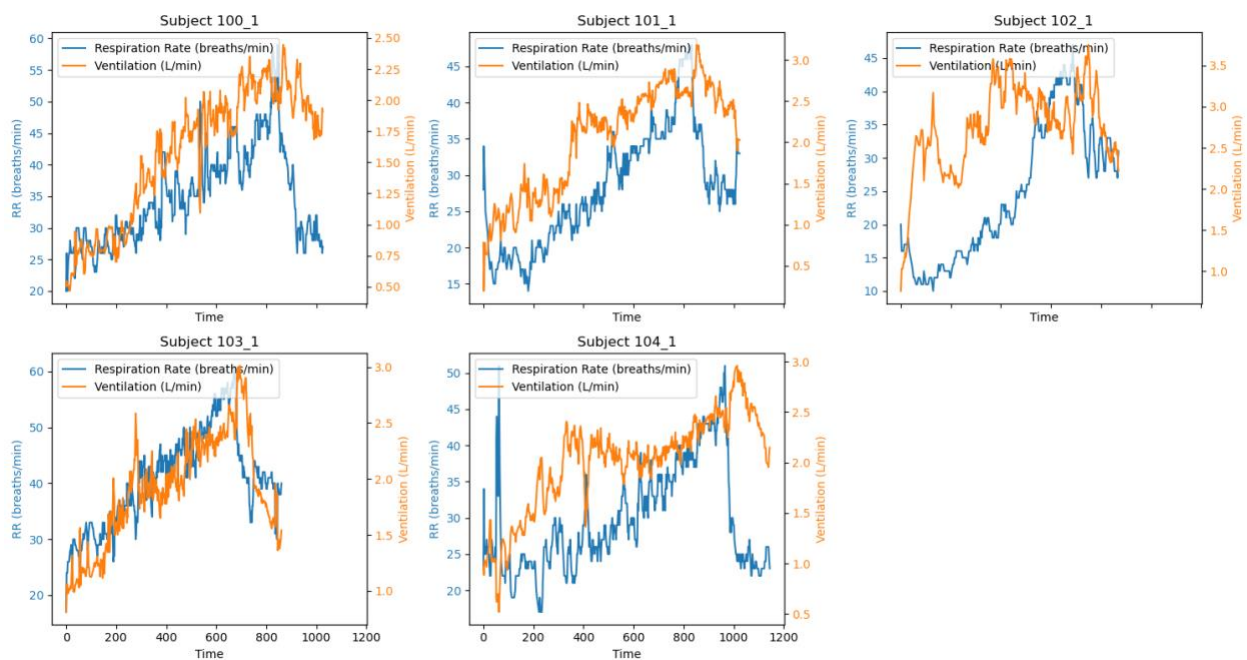
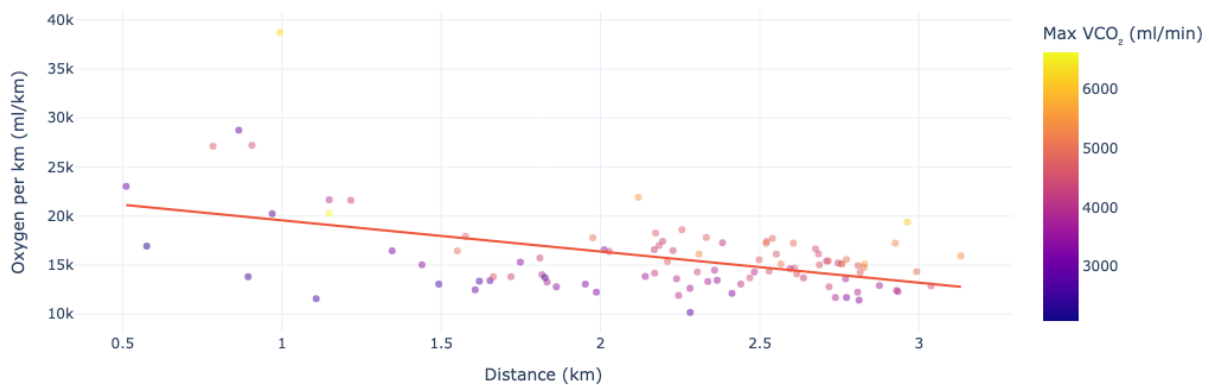


Title: Exertion to Exhaustion

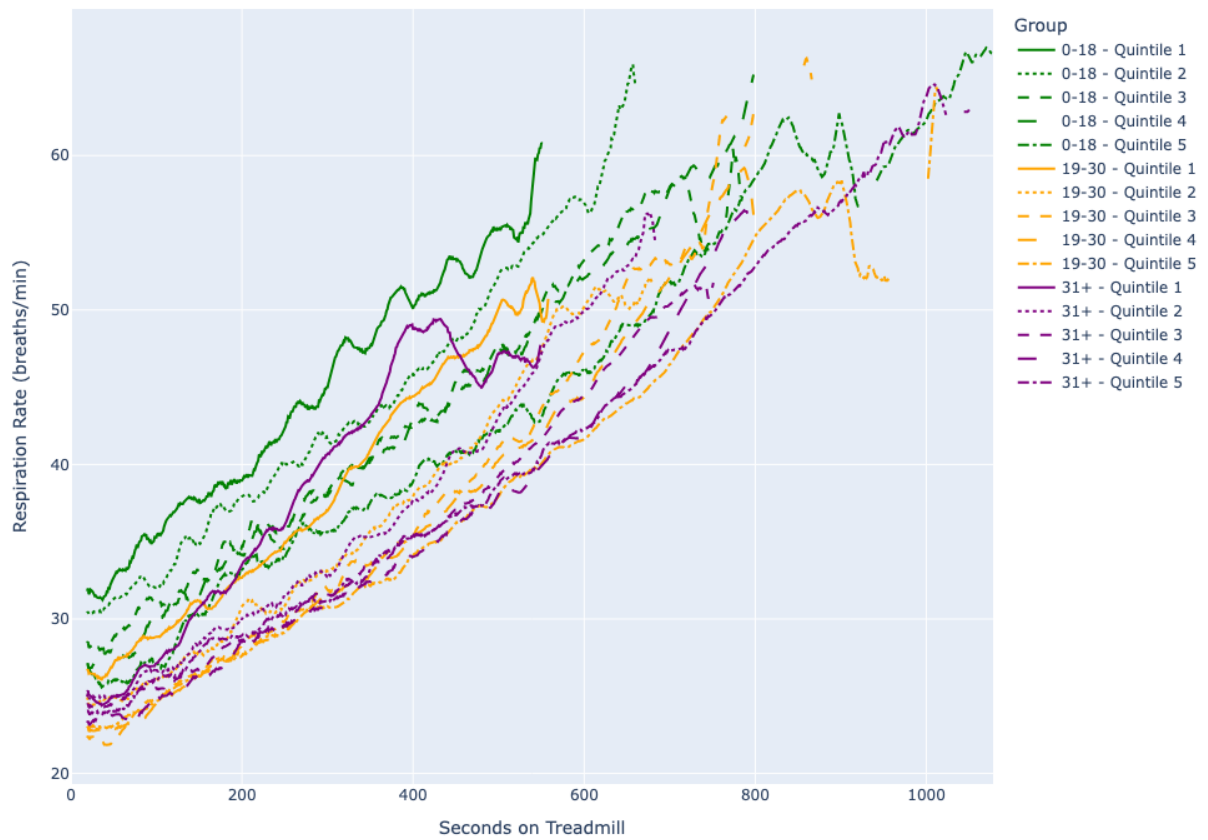
Data: <https://physionet.org/content/treadmill-exercise-cardioresp/1.0.1/>

Our intent is to explore the above dataset, which are breath-by-breath physiological measurements of participants running to exhaustion on a treadmill. Our visualization will be structured as a guided explanation followed by an open exploration. To introduce the dataset, we will first explain the physiological changes that happen in the body as participant's workload increases, specifically the lactate thresholds and training zones. We will then let the viewers explore the data on their own by demographic and performance level of the participants.

Oxygen Efficiency vs. Distance Traveled (Colored by VCO_2 Max, Sampled 10%)



Respiration Rate (RR) by Age Group and Max Speed Quintile



Ventilatory Thresholds for Test 840_1

