# BIOS 6643 Final Project

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### **Introduction**

Individuals who classified as overweight or obese were enrolled into the study to understand factors that contribute to weight loss. Participants were asked to step on a bluetooth scale once a day over the course of the study. Within the study, there are 3 cohorts. These cohorts indicate participants who started the study around the same time.

**Cohort 1 (N = 29)**

* 29 people beginning 04/10/2018 – 07/01/2018 (All but 1 began on in April and May)
* Ending between 11/14/2018 – 02/20/2020

**Cohort 2 (N = 26)**

* 26 people beginning 02/13/2019 – 09/30/2019 (All but 2 began between 02/13/2020 – 02/16/2020)
* Ending between 12/22/2019 – 04/20/2020 (All but 2 ended between 04/05/2020 – 04/20/2020)

**Cohort 3 (N = 36)**

* 36 people beginning 09/30/2019 – 11/05/2020
* Ending between 12/02/2019 – 04/20/2020 (All but 2 ended in March or April)

The research questions of interest are :

* What is the trajectory of weight over the duration of time in the study?
* Is there a relationship between month of study and weight loss, when accounting for sex and age?

### **Methods**

#### **Data Cleaning**

#### **Data Analysis**

### **Results**

### **Discussion**