**Introduction**

The main idea of our project is dealing with online grocery shopping recommendation. Whether we shop from meticulously planned grocery lists or let whimsy guide our grazing, our unique food rituals define who we are. Instacart, a grocery ordering and delivery app, aims to make it easy to fill our refrigerator and pantry with our personal favorites and staples when we need them.

The main goal in our project, is to predict which products the users will buy in a user's next order, according to different parameters that Instacart data includes : information about the date, time orders were placed, in what order items were placed in the user’s shopping cart, and even which virtual departments and categories the purchased products belong to.

The dataset contains a sample of over 3 million grocery orders from more than 200,000 Instacart users, 134 categories, 22 departments.

The outcome will be a list of suggestion products to each user according to the predictions of the models that we will use.