**Introduction**

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 the next order. The prediction will be according to various parameters that are included in the Instacart data. Examples of the parameters are day of the week and time the orders were placed, in what order items were placed in the shopping cart, and 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.