

Food Insecurity, Its Measurements, Its Methods, and Its Application To Virginia

This presentation will provide an overview of the issue of food insecurity as well as a narrowed focus on how data science can be used to solve food insecurity. This presentation will address factors that contribute to food insecurity as well as the different ways to measure food insecurity and their importance. Common data science methods for measuring food insecurity as well as differences in terminology for measuring food insecurity will be investigated and explained. This presentation will also concentrate a focus on food insecurity in the region of Hampton Roads, Virginia, with a proposition for future research in this area. Lastly, this presentation will include an outline for a future research project to investigate the central research question that this topic revolves around: how can we measure, describe, and propose solutions to food insecurity, with the hope of applying it to a study of the transportation networks and food sources in the Hampton Roads region of Virginia.