**DATS 6101**

**INTRODUCTION TO DATA SCIENCE**

***Dr. Darcy Morris***

*Project II Proposal on*

**An Analysis of Food Security in USA - 2021**

*By*,

**TEAM II**

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**Research Proposal**

* **RESEARCH TOPIC**

In the first project, we analyzed some demographic and socioeconomic factors’ impact on food security level in the USA in 2021.

For the second project, we want to find out what are the main causes impacting food insecurity among certain races, families and people. To further extend, we will analyze future effects impacting food insecurity.

Our variables are states, family size, income level, SNAP usage, race/ethnicity, immigrant status, work status and education level.

Our SMART questions are below:

* Which of the variables have the strongest correlation with food insecurity?
* What model best describes food security in the USA in 2021?
* How the food security looks like in near future?
* **Understanding Data**

We have obtained the data from the US Census website using CPS data. The CSV file contains approximately a hundred thousand observations.

The link to our dataset is:

<https://www2.census.gov/programs-surveys/cps/datasets/2021/supp/dec21pub.csv>

* **GitHub Repository**

We are a group of three and will be working on this project. Our collaborations can be seen at our GitHub Repository.

The link to our repo is : <https://github.com/ubold01/DATS6101-Project1-2022Fall>