**Scope of Work**

**Client:** St. Vincent de Paul Food Bank

**Contact:** John Dahl (President)

**Client Email:** **john.dahl@svdpid.org**

**Client Phone: (208) 333-1460**

**Client Web: https://svdpid.org/**

**Title:** Food Bank

**PI:** Kamryn Parker

**IRB Status:** Exempt

**Start date:** 3/18/21

**Completion date:** 4/6/21

**Time Spent**

~5 hours

**Overview**

Student will provide the St. Vincent de Paul Food Bank with technical assistance in answering the client’s question “what predicts how many times a client will visit and are there clients we need to identify and better serve?”. The student with help in the creation, implementation, analysis, and presentation of data driven results.

**Task 1: Data Collection (March 2021)**

The purpose of this task is to collect and filter data to use for analysis. The Client will provide the data to the student. The data is comprised of two data sets. One will include information per household, and the other will include time-series data on household visits to the food bank. The data will be merged together to one data frame for the purpose of the analysis.

**Task 2: Report Findings and Visualizations (March/April 2021)**

The purpose of this task is to present the data and its findings. The student will draft a summary and provide the overall results in a written format. The student will prepare and present visualizations of the data (as needed) using R. Student will practice learned data modeling techniques from enrolled course to find accurate and presentable results. The different techniques will include basic time-series analysis and statistical modeling.

Completion of this project needs to be finalized by April 6th in order to meet the business requirements agreed upon the student and client.