

Battle of the Neighborhoods Capstone Project

1. Introduction

1.1 Problem

To find the best neighborhood in Prince William County for a general location of a fast food restaurant.

1.2 Background

Prince William County is located in Virginia in an area known as Northern Virginia.

Prince William County has had numerous developments appearing in many different neighborhoods. In some neighborhoods there are many fast food restaurants that are clumped close together.

1.3 Interested

The ones that will be interested in this project is any one that wants to have a fast food restaurant franchise and Prince William Board of Supervisors.

2. Data

2.1 Data Sources

I will be creating a dataframe for the neighborhoods of Prince William County and this dataframe will contain the neighborhood names, and the general latitude and longitude for each neighborhood. I will be making calls to FourSquare API to locate fast food restaurants in each neighborhood. From the calls made to FourSquare API, I will create tables that list each fast food in each neighborhood. From the tables I will make a decision on the best neighborhood for a fast food restaurant.