

# AAMC Medical Schools for Coffee-Drinking, Pizza-Eating, and Park-Loving Medical Students

Bill Cash  
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## 1. Introduction

### 1.1 Background

Every year pre-med students at colleges and universities in the United States and Canada are researching and applying to medical schools. There is a publication every year by the U.S. News & World Report that ranks the best medical schools and can be used to be more specific regarding medical programs and specialties, and it also includes information such as tuition amounts and enrollment counts. The pre-med students know it takes a lot of both energy and stress management to be able to succeed as a medical student. For energy, many medical students will learn to use coffee and pizza to help fuel themselves. In addition to pizza there are plenty of other types of foods that different students may enjoy. For stress management, many students will take their coffee or their food outside to a park when weather is nice. This project is aimed at identifying which medical schools in the United States and Canada are near a good mix of places to get coffee, pizza places (and other types of restaurants), and parks at which to recreate and enjoy the weather when it is nice.

### 1.2 Interest

Many pre-med students who are considering many different medical schools would be interested in knowing what sorts of venues are near the medical schools that offer the following:

- Coffee
- Pizza and other restaurants
- Parks

## 2. Data

### 2.1 Data Sources

For this project, a list of medical schools for the United States and Canada will be needed. The list will need to provide the name and the address of the medical school. The Association of American Medical Colleges (AAMC) has the data on a webpage at:

<https://members.aamc.org/eweb/DynamicPage.aspx?site=AAMC&webcode=AAMCOrgSearchResult&orgtype=Medical%20School>

The Python library 'geocoder' will be used to get the latitude and longitude data by using the address data that will be obtained from the AAMC webpage.

The Foursquare developers Places API will be used to identify venues for coffee, pizza (and other food), and parks that are near the medical schools in the United States and Canada. The Foursquare developers Places API can be found at this webpage:

<https://foursquare.com/developers/apps>