**Instruction for Pokémon Go Players**

# 0. Author

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# 1. Motivation

For Pokémon players, in an unfamiliar place, it is impossible to judge where to go to catch Pokémon safer and faster only based on the information from the AR map in the game. So, I want to build a website to solve this task and focus on Philadelphia first. Where should people new to Philadelphia go to get Pokémon faster and safer? Now, the most mature player assistant is the Pogomap website (The link is the first one in the data section). This website records all the Pokéstops in the game and contains user interface that can be updated timely, which is the most similar to the project I try to complete. But Pogomap will only serve as one of the basic data of my project. What I want to do is something that can really help and guide players, not just a reference.

# 2. Data

Poké Stop data: https://www.pogomap.info/

American Community Survey (ACS)

Landcover: https://www.opendataphilly.org/dataset/philadelphia-land-cover-raster

Open Street Map data

# 3. Methods and Techniques

Fetching Data from APIs

Web Scraping

Fishnet segmentation

Geospatial Statistics

Street Network Analysis

Geospatial Overlay Analysis

# 4. Deliverable

I want to build a dashboard to show my results. After entering the website, users will first mark their location on the map, and then, in the filter window, select how they want to arrive and some other elements such as whether to include Gyms or is there any restaurant around. Based on the user's choice, the site will provide suggested destinations and routes to go along with some game-related tips.