



Coursera
Capstone

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Assignment


Clearly define a problem or an idea of your choice, where you would need to leverage the Foursquare location data to solve or execute.

Remember that data science problems always target an audience and are meant to help a group of stakeholders solve a problem, so make sure that you explicitly describe your audience and why they would care about your problem.

Business Problem

The project owner wants to offer housing rental to international students in Montreal.

International students pay well, and have to prepare their arrival from abroad.



The project owner expect his clients to seek for tenements:

- At a fair distance from their university
- Offering a proper level of indoor comfort
- Close enough to appealing venues and useful services for their daily life

Where does the project owner need to invest in the city to satisfy his clients and optimize his return on investment?

Which neighborhood is the most
suitable?

The Data

Geographical information

- The scope of the study limits the research to Montreal, QC.
- Top Montreal universities are easy to find
- The Foursquare API enables geocoding

Lifestyle and comfort information

- Services, facilities and other venues must be qualified and categorized
- We will admit a range of 500m around each venue to collect information

Financial aspects

- Gathering information about property valuation would be more than useful
- Unfortunately most of the available sources are proprietary e.g paid ones.
- Valuation information will be eventually appended to the project if possible