




# HOTEL NEIGHBORHOOD SELECTION ADVISOR

IBM ML course capstone project

# WHAT CITY NEIGHBORHOOD IS BETTER?

What will you select:

- ▶ Park or promenade?
  - ▶ Coffee shop or bakery?
  - ▶ Gym or swimming pool?
  - ▶ Grocery or art gallery?
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# HOW TO DECIDE?

- ▶ Take you previous best booking data
  - ▶ Find your common preferences
  - ▶ Learn destination city neighborhood data
  - ▶ Find neighborhood that suit your preferences the most
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- Several white lines of varying lengths and slopes are positioned in the bottom right corner of the slide, creating a modern, abstract graphic element.

# IS IT POSSIBLE TO AUTOMATE THIS RESEARCH?

It's the main purpose of capstone project

Used tools:

Language: python

Machine learning library: sklearn

Visualization library: folium

Geodata API: foursquare

Several white lines of varying lengths and orientations are positioned in the bottom right corner of the slide, creating a modern, abstract graphic element.