APPLIED DATA SCIENCE CAPSTONE

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ASSIGNMENT: THE BATTLE OF NEIGHBORHOODS

"STARTING A NEW CINEMA IN ATHENS, GREECE

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Data

The data sources that have been used in this analysis are the following:

- A list of the existing indoor cinemas in Athens, along with their addresses is retrieved from a well-known Athens city guide:
  https://www.athinorama.gr/cinema/guide.aspx?show=1&seltab=1&sec=2

- Geographical coordinate data for each cinema is retrieved from OpenStreetMap:
  https://www.openstreetmap.org using each cinema's address.

- Foursquare location data are used to decide which cinemas from the initially derived cinema list will be considered in the subsequent analysis, by excluding cases where more than 5 other cinemas exist in the area. The corresponding venue category id (''movie theater") is used for these API calls.

- Foursquare location data are also used to define the characteristics of each candidate location (centered on an already existing cinema) in terms of the features of interest: restaurants, night spots, shopping malls and transport options (metro stations, bus stops, private parking places). The corresponding venue category ids are used to perform the necessary Foursquare API calls, by defining a radius of interest equal to 250m.