**Introduction / Business Problem**

**The aim of this project is to find suitable locations to open a hotel in karol bagh greater metropolitan area [Karol bagh and its suburbns],Delhi ( India ).**

**The first requirement is that the new hotel should be easily accessible by its prospective customers and more specifically it should be located near a metro station. The number of hotels already existing in an area should also be considered so that fierce competition be avoided if possible.**

**Apart from the obvious intended stakeholders, entrepreneurs looking to start a hotel business, similar methodology could be used for other specific types of businesses. It can serve as an initial starting point of locations to consider to start their business.**

**For the project objectives to be achieved, python geolocation libraries will be used, along with the Foursquare API. Also, in order to create clusters of similar candidate locations, the K-Means machine learning clustering algorithm will be used.**