**Business establishments in the City of Dubai**

**1 Introduction**

1.1 Background

A global leader in innovation as a hyper-connected pro-business hub between East & West, providing unrivaled access to the world's highest potential economies, Dubai is proven to deliver an efficient, secure and future forward network ecosystem for accelerated growth. Dubai is internationally recognized as the leading financial and trading center at the heart of the world's Islamic economy.

1.2 Problem

Dubai receives hundreds of thousand tourists each year. Demand placed on the city can be understood by examining the businesses already established within the city. The objective of this report is to gain insights into the business dynamics of the city.

**2. Data acquisition and cleaning**

2.1 Data source

The Neighborhood and Coordinates was gathered from Smart Dubai ([www.smartdubai.ae](http://www.smartdubai.ae)). Smart Dubai is the government office charged with facilitating Dubai’s citywide smart transformation, to empower, deliver and promote an efficient, seamless, safe and impactful city experience for residents and visitors. Venue details were extracted from Foursquare; features include venue name, venue category, and venue category. Venue categories were scraped from the Foursquare API documentation to create category classes (<https://developer.foursquare.com/docs/build-with-foursquare/categories/>).