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|  | | Coursera Capstone Project Report | | | | |  | |
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|  | | | | Date07/06/2021Course titleCoursera Capstone |  | | | |
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|  | Business Problem | | | | | | |  |
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|  |  |  | Growing up in Johannesburg, South Africa I realized that my city is a very diverse place and always wondered what it would be to analyse the various areas of Johannesburg to determine how various places of interest are spread out across the city. I also wanted to determine what kinds of businesses are prominent amongst the various suburbs of Johannesburg and that is what this project is about | | |  |  |  |

#### The Data that will be used for this project.

Similar to that of the data used for the labs and previous submission. I will be using the FourSquare API to retrieve location data for the city of Johannesburg. Using Folium I will create a map of Johannesburg showcasing the various suburbs of the city. The venue data from each suburb will be extracted and through the use of the K-means clustering algorithm I will perform clustering on the Johannesburg data to group the suburbs together and observe the results.