Compare the neighborhoods of Manhattan and Brooklyn of New York City and its venues data analysis

Introduction

Description & Discussion of the Background

New York City (NYC) or New York (NY), is the most populous city in the United States with an estimated population of 83million distributed over about 302.6 square miles (784 km^2). New York City has been described as the cultural, financial, and media capital of the world. New York City is composed of five boroughs: The Bronx, Brooklyn, Manhattan, Queens, and Staten Island.

Manhattan is the geographically smallest and most densely populated borough of New York City. With an estimated 1,628,701 residents, Manhattan's population density is 72,033 people per square mile (27,812/km²) in 2018 which makes it the highest populated city in the United States. Brooklyn is the second-largest among the New York City's five boroughs which is the most populous borough and , the second-most densely populated county in the United States. With an estimated 2,559,903 residents in 2019, Brooklyn's population density is 37,137 people per square mile (14,649/km²) in 2019

From figures, we can see that both Manhattan and Brooklyn are densely populated with high population density. So, when somebody thinks of opening a restaurant or a new business, they must choose a place with high social density or a place with population dense, but no restaurants or shops are available as a trial.

So, the questions are

- Whether both boroughs -Manhattan & Brooklyn are similar or dissimilar with respect to their neighborhoods?
- Where to start a new business or restaurant?
- Which borough is more suitable for starting a new business or restaurant?

In order to obtain the information about places and venues, we can create a map of Manhattan and Brooklyn and see how both the neighborhoods are clustered according to venues. This data could be used to see how similar or dissimilar both boroughs are with respect to venues and which place is best suitable for opening a new business or restaurant.