Exploring Coffee Shops in Manchester, UK

Introduction

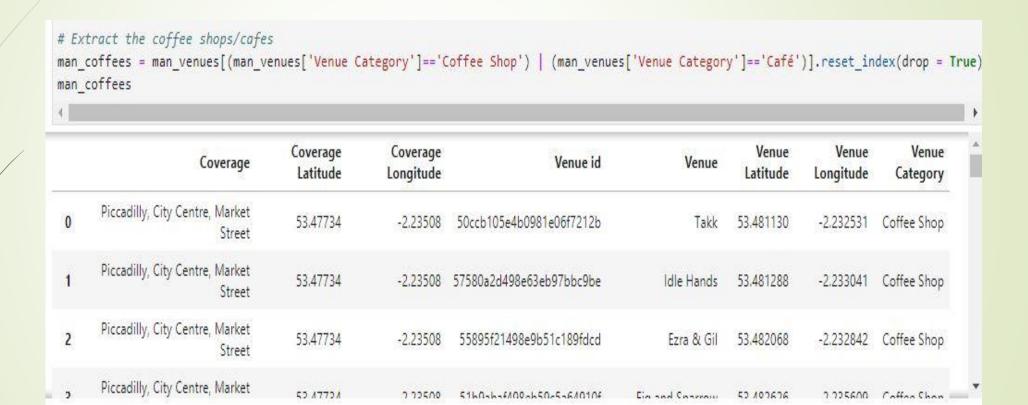
- Problem: coffee is the second most common hot drink in Manchester, UK.
- ► Aim: To find the best coffes shops in the city centre of Manchester.
- Interested audience: residents, tourists, companies to open a coffee shop

Data acquisition and cleaning

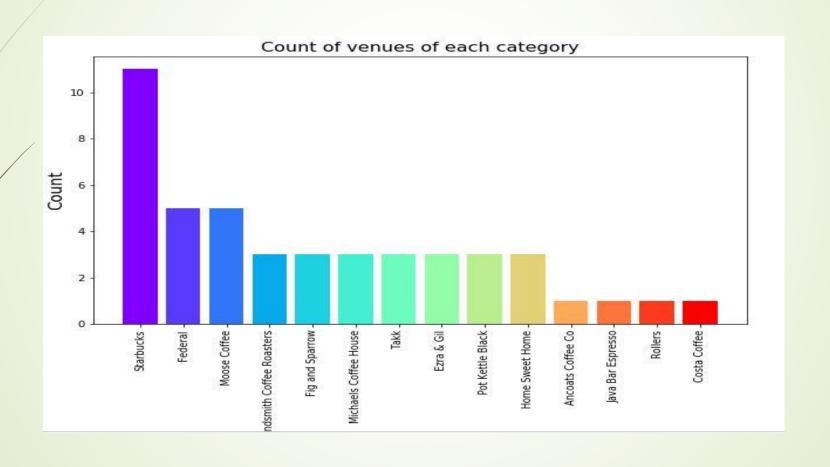
Data is obtained from various sources on the internet.

[4]:		Postcode	Post town	Coverage	Local authority area	latitude	longitude
	0	M1	MANCHESTER	Piccadilly, City Centre, Market Street	Manchester	53.477340	-2.235080
	1	M2	MANCHESTER	Deansgate, City Centre	Manchester	53,480030	-2.242630
	2	M3	MANCHESTER	City Centre, Deansgate, Castlefield	Manchester	53.483610	-2.250180
	3	M3	SALFORD	Blackfriars, Greengate, Trinity	Salford	53,483610	-2.250180
	4	M4	MANCHESTER	Ancoats, Northern Quarter, Strangeways	Manchester	53.484550	-2.229090
	5	M5	SALFORD	Ordsall, Seedley, Weaste, University	Salford	53,479030	-2.284820

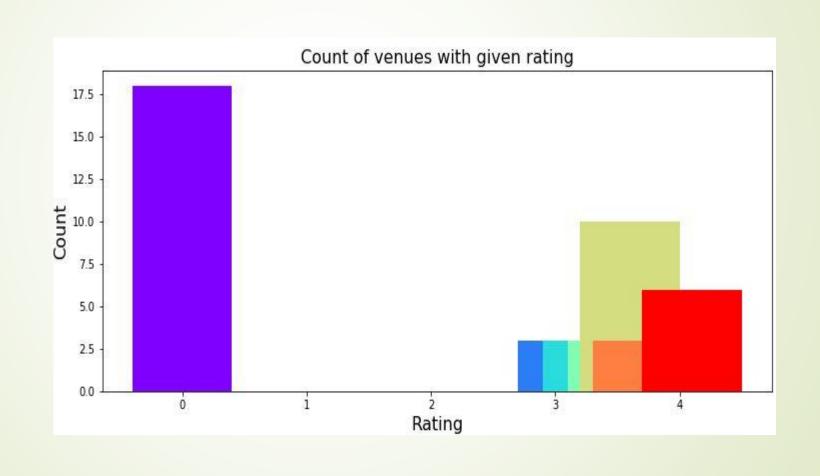
Coffee shops dataset is obtained from Foursquare API.



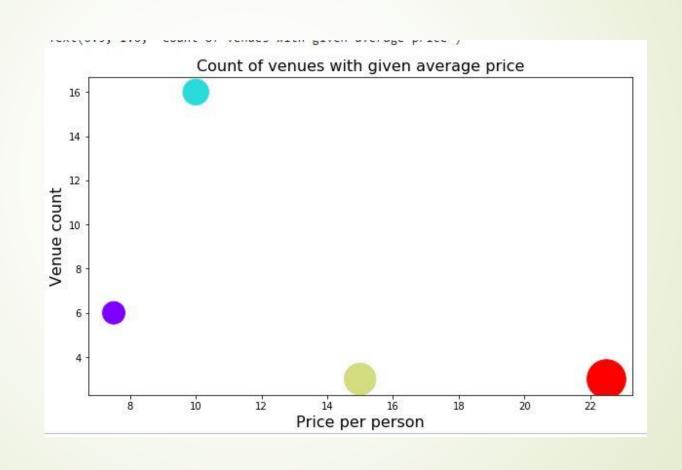
Methodology and Exploratory Data Analysis: Sturbucks is the most common coffe shop



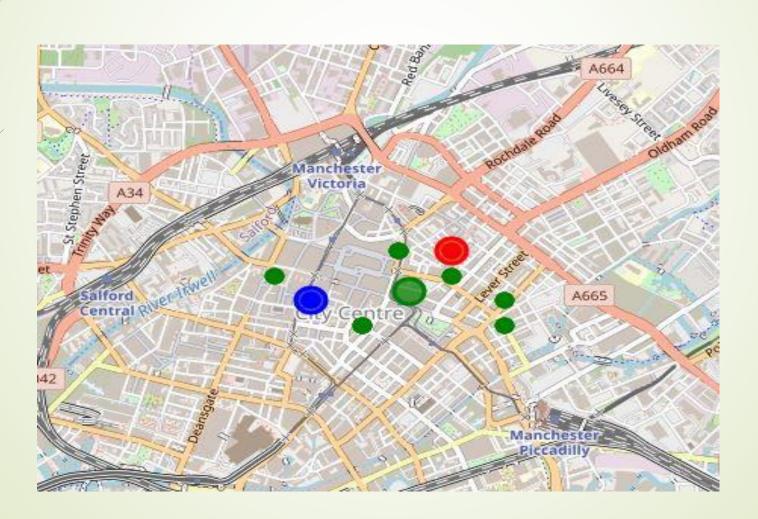
majority of coffee shops have their rating close to 4



Price:



Clustering



Results and Discussion:

- The majority of coffee shops have ratings close to 4.
- Many coffee shops have prices which are in the range of £7.5 to £ 22.5 for one person.
- Most of the places have average price of £10.