# Opening a Restaurant within Croydon

### **Business Problem**

- ► The London Borough of Croydon has an extensive shopping district and night-time economy. More businesses can be established to take advantage of this.
- Restaurants are frequently visited business places.
- Restaurant owners need to find a location that has a continuous stream of traffic, convenient parking, and is in proximity to other businesses.
- ▶ Based on the kinds of areas, the restaurant type to be established and the style of service can be determined

# Data Acquisition and Cleaning

- Location data was scrapped from Wikipedia articles
- Venue data was sourced from Foursquare API

	Location	London_borough	Post_town	Postcode_district	Dial_code	OS_grid_ref	Latitude	Longtitude
0	Addington	Croydon	CROYDON	CR0	020	TQ375645	51.3583	-0.0305
1	Addiscombe	Croydon	CROYDON	CR0	020	TQ345665	51.381	-0.0663
2	Coombe	Croydon	CROYDON	CR0	020	TQ342647	NaN	NaN
3	Coulsdon	Croydon	COULSDON	CR5	020, 01737	TQ298596	51.3211	-0.1386
4	Croydon	Croydon	CROYDON	CR0	020	TQ335655	51.3727	-0.1099



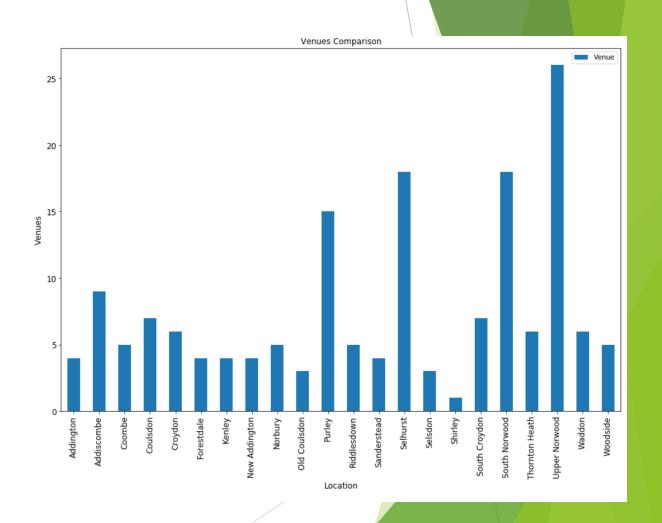
## **Venue Data**

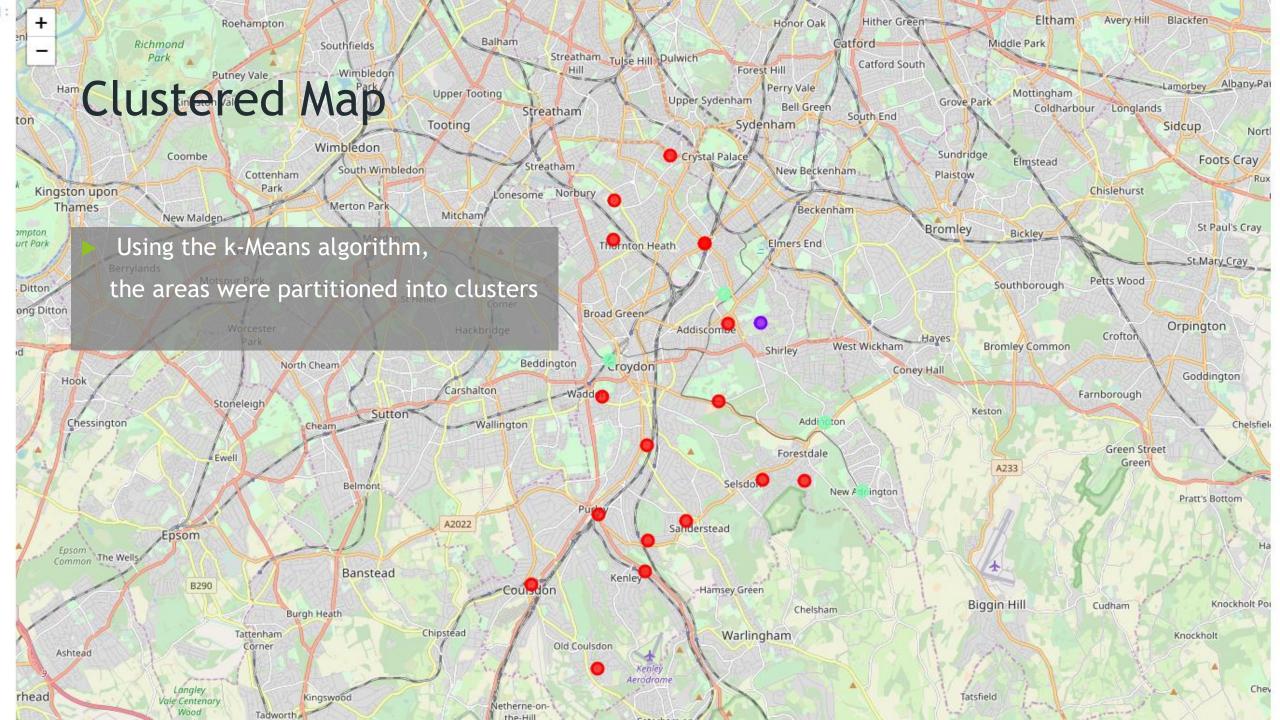
Venue data was derived from Foursquare API

	Location	Latitude	Longtitude	Venue	Venue Latitude	Venue Longtitude	Venue Category
	<b>D</b> Addington	51.3583	-0.0305	Shell	51.357047	-0.033468	Gas Station
	1 Addington	51.3583	-0.0305	The Cricketers (Harvester)	51.357833	-0.032844	English Restaurant
	2 Addington	51.3583	-0.0305	Addington Village Interchange	51.356374	-0.032680	Bus Station
	3 Addington	51.3583	-0.0305	Addington Village London Tramlink Stop	51.356276	-0.032923	Tram Station
,	4 Addiscombe	51.3810	-0.0663	Co-op Food	51.381969	-0.069717	Grocery Store

## **Exploratory Data Analysis**

- Number of venues per areas were compared
- Upper Norwood had the most
- Shirley had the least





### Conclusion

Areas in the red cluster would be suitable for establishing a restaurant

- AddiscombeRiddlesdown
- CoombeSanderstead
- CoulsdonSelhurst
- ► Forestdale ► Selsdon
- KenleySouth Croydon
- Norbury
  South Norwood
- Old CoulsdonThornton Heath
- PurleyUpper Norwood
  - Waddon
- The accuracy of the analysis can be improved by sourcing for more data
- This analysis can be be performed on other locations to determine what areas would be suitable for any kind of business.