

# **TRAFFORD, GREATER MANCHESTER, ENGLAND**

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# INTRODUCTION

- Indonesian cuisine is one of the richest culinary traditions in the world
- It is full of strong flavors.
- We will try to find an optimal location for a restaurant
- We will try to detect locations that are not already crowded with restaurants.
- We are also particularly interested in areas with no Indonesian restaurants in vicinity

# DATA

Factors that will influence our decision are:

- Number of existing restaurants in the neighborhood (any type of restaurant)
- Number of and distance to Indonesian restaurants in the neighborhood, if any
- Restaurant density in the neighborhood

# DATA

Needed to extract/ generate the required information:

- Centers of candidate areas will be generated algorithmically and approximate addresses of centers of those areas will be obtained using **Google Maps API reverse geocoding**.
- Number of restaurants and their type and location in every neighborhood will be obtained using **Foursquare API**
- Coordinate of Trafford center will be obtained using **Google Maps API geocoding**.

# METHODOLOGY

- Collecting the required data: location and type (category) of every restaurant.
- Calculate and exploration of 'restaurant density' across different areas of Trafford
- Focus on most promising areas

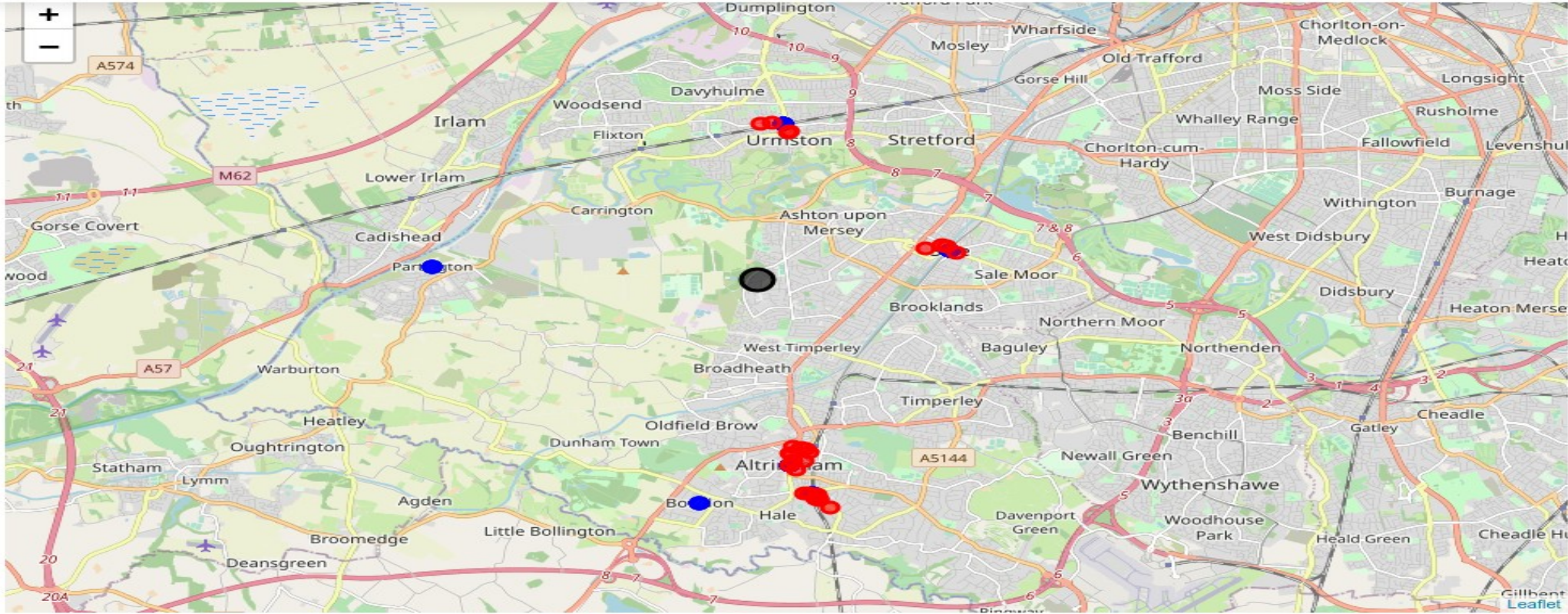
# RESULT - TRAFFORD'S NEIGHBORHOOD

No	Borough	Centre	Neighborhood	Lat	Long
1	Trafford	Stretford	Altrincham	53.38397	-2.35255
2	Trafford	Stretford	Bowdon	53.37688	-2.37153
3	Trafford	Stretford	Hale	53.37852	-2.34750
4	Trafford	Stretford	Sale	53.42449	-2.31842
5	Trafford	Stretford	Urmston	53.44832	-2.35366
6	Trafford	Stretford	Partington	53.42148	-2.42825

# RESULT - NUMBER OF RESTAURANT

No	Neighborhood	No. of Restaurant	No. of Indonesian Restaurant
1	Altrincham	10	-
2	Bowdon	-	-
3	Hale	9	-
4	Sale	4	-
5	Urmston	4	-
6	Partington	-	-

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# CONCLUSION

Final decision on optimal restaurant location will be made by stakeholders based on specific characteristics of neighborhoods and locations, and we suggest opening an Indonesian restaurant in the **Parlington** area