

# Stores (bakeries, cafeterias, etc.) in the center of Athens, Greece

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# 1.Introduction

- ▶ City of interest : Athens , Greece
- ▶ Belongs to the greater area of Attika with a population approximate to 4 million
- ▶ Capital of Greece
- ▶ Economic center of the country

# Problem

- ▶ Cafes , Bakery Stores , Restaurants in the city of Athens

# Getting the Data

- ▶ Data retrieved from the foursquare API
- ▶ For more specific data like this project , we can use the coordinates of a location in order retrieve valuable and interesting data

# Analysis

- Using data from [weatherdatasource.com](http://weatherdatasource.com) , we were able to find how many cities-neighborhoods existing at the greater Attika area

```
df_CityList['Latitude'] = list_lat
df_CityList['Longitude'] = list_long
df_CityList.head(10)
```

Acharnes, Attiki
Aiantefion, Attiki
Aigaleo, Attiki
Aigina, Attiki
Alimos, Attiki
Amarousion, Attiki
Ampelakia, Attiki
Anavyssos, Attiki
Ano Liosia, Attiki
Anoixi, Attiki
Aspropirgos, Attiki
Athens, Attiki
Ayia Marina, Attiki
Ayia Paraskevi, Attiki
Ayia Varvara, Attiki
Ayios Stefanos, Attiki
Ekali, Attiki
Elefsina, Attiki
Ellinikon, Attiki

```
In [5]: df_CityList.shape
Out[5]: (92, 4)
```

There are 92 cities or neighborhoods in the greater Attiki area

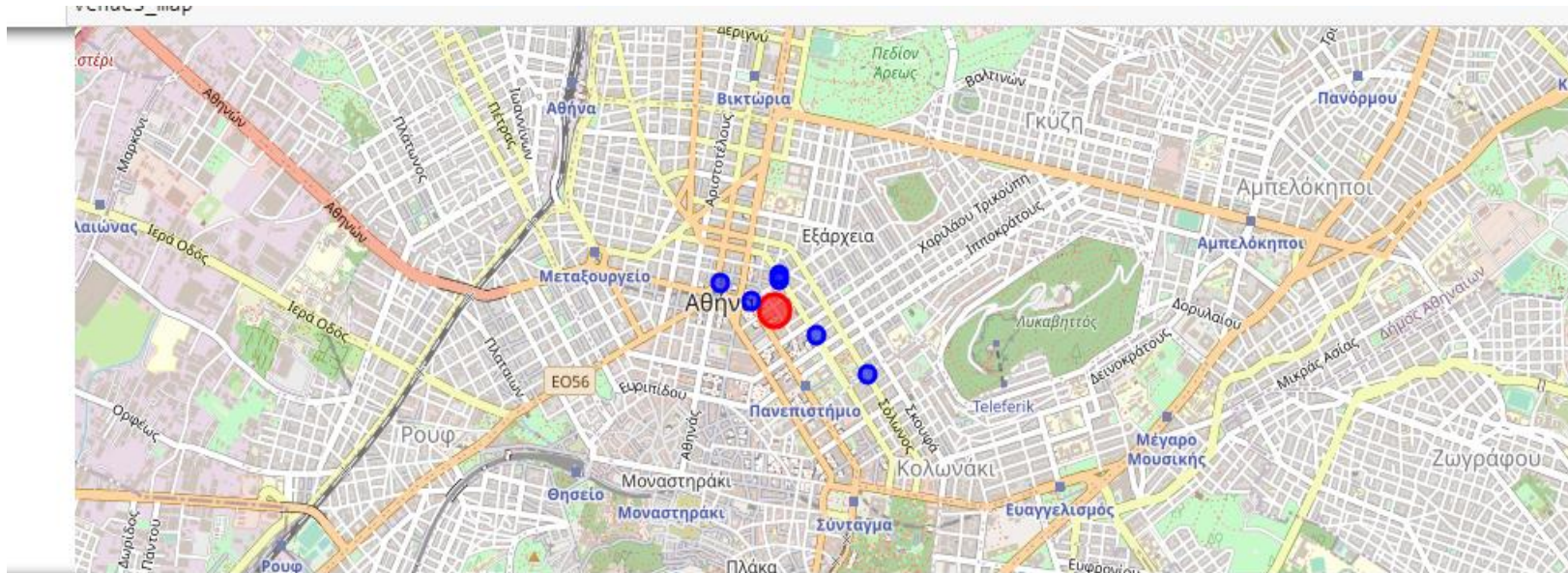
# Analysis

- ▶ At first we chose the “Mr Bean Coffee”
- ▶ Center of Athens , at the Emmanouil Mpenaki street , number 20

	name	categories	address	lat	lng	labeledLatLngs	distance	postalCode	cc	city	state	country	formattedAddress	
0	Bakery & Coffee (Bakery)	Bakery	3ης Σεπτεμβρίου 4	37.984591	23.728283	[{"label": "display", "lat": 37.984591, "lng": ...}	294	104 31	GR	Αθήνα	Αττική	Ελλάδα	[3ης Σεπτεμβρίου 4, 104 31 Αθήνα, Αττική]	
1	Boutique Bakery	Bakery	NaN	37.984717	23.731561	[{"label": "display", "lat": 37.984717, "lng": ...}	144	106 77	GR	Αθήνα	Αττική	Ελλάδα	[106 77 Αθήνα, Αττική]	
2	Polis Stagidis Bakery	Bakery	NaN	37.984904	23.731610	[{"label": "display", "lat": 37.984904, "lng": ...}	165	106 77	GR	Αθήνα	Αττική	Ελλάδα	[106 77 Αθήνα, Αττική]	
3	Athens Bakery	Bakery	Σόλωνος 62	37.980828	23.736493	[{"label": "display", "lat": 37.98082804214897...	540	106 72	GR	Αθήνα	Αττική	Ελλάδα	[Σόλωνος 62 (Σινά), 106 72 Αθήνα, Αττική]	
4	Απολλώνιον	Bakery	Πανεπιστημίου 62	37.983857	23.730037	[{"label": "display", "lat": 37.98385679754047...	120	106 77	GR	Αθήνα	Αττική	Ελλάδα	[Πανεπιστημίου 62 (Θεμιστοκλέους), 106 77 Αθήν...	Θε
5	Απολλώνιον	Bakery	Ακαδημίας 60	37.982450	23.733672	[{"label": "display", "lat": 37.98245040175372...	235	106 79	GR	Αθήνα	Αττική	Ελλάδα	[Ακαδημίας 60 (Μαυρομυχάλη), 106 79 Αθήνα, Αττ...	M

Bakeries at a radius of 500m

Map with the bakeries(blue dots) near  
Mr Bean Coffee" ( red dot)



# Cafes at a radius of 500 meters

dataFrame\_filtered\_1

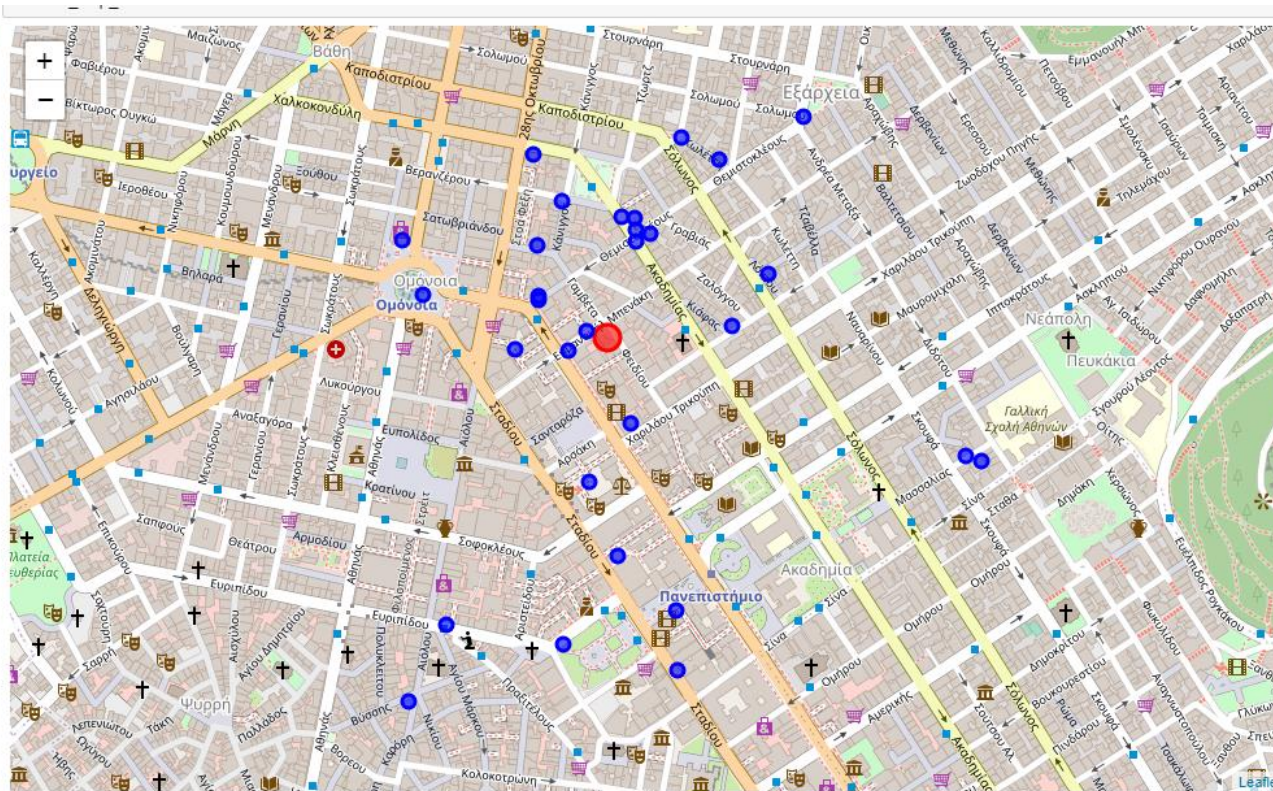
Out[14]:

	name	categories	address	lat	lng	labeledLatLngs	distance	cc	city	state	country	formattedAddress	postalCode
0	Sepia Art Cafe	Bar	Κωλέττη 25-27	37.985751	23.733158	[{"label": "display", "lat": 37.98575145302804...	305	GR	Αθήνα	Αττική	Ελλάδα	[Κωλέττη 25-27, Αθήνα, Αττική]	NaN
1	Cafe Μαζί	Corporate Coffee Shop	Σταδίου 40	37.980592	23.731479	[{"label": "display", "lat": 37.98059179914281...	316	GR	Αθήνα	Αττική	Ελλάδα	[Σταδίου 40, 106 79 Αθήνα, Αττική]	106 79
2	Διπλό Cafe	Café	Θεμιστοκλέους 70	37.986297	23.734536	[{"label": "display", "lat": 37.98629653662064...	426	GR	Αθήνα	Αττική	Ελλάδα	[Θεμιστοκλέους 70, 114 73 Αθήνα, Αττική]	114 73
3	Hondos Cafè	Café	Πλ. Ομονοίας	37.984701	23.727920	[{"label": "display", "lat": 37.98470100400789...	328	GR	NaN	NaN	Ελλάδα	[Πλ. Ομονοίας]	NaN
4	Polis Art Cafe	Café	Πεσματζόγλου 5	37.981559	23.731002	[{"label": "display", "lat": 37.98155940698001...	210	GR	Αθήνα	Αττική	Ελλάδα	[Πεσματζόγλου 5 (στο Αίθριο της Στοάς Βιβλίου)...	105 64
5	Del Viale Café	Café	Ακαδημίας 95α	37.984994	23.731540	[{"label": "display", "lat": 37.98499413873161...	174	GR	Αθήνα	Αττική	Ελλάδα	[Ακαδημίας 95α, 106 77 Αθήνα,	106 77



*Map with the Cafes (blue dots) near Mr Bean Coffee" ( red dot)*

Out[22]:

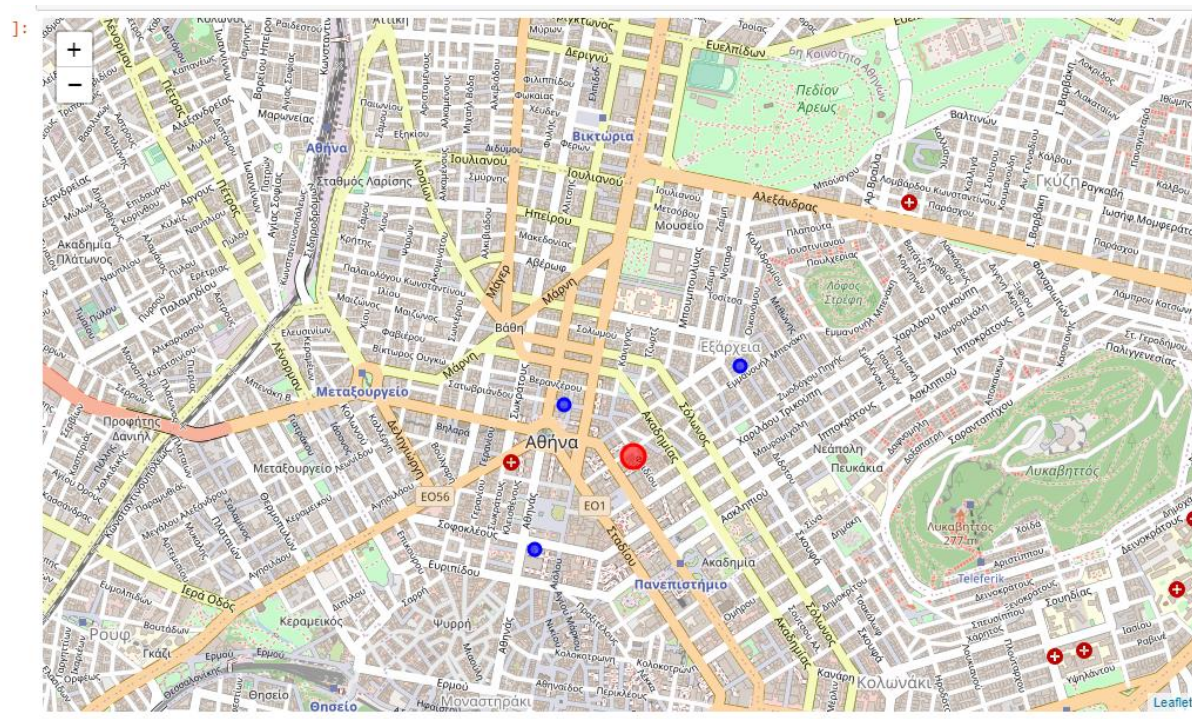


# Greek restaurants near Mr Bean Coffee"

	name	categories	address	lat	lng	labeledLatLngs	distance	postalCode	cc	city	state	country	formattedAddress	cross
0	Taverna Aris (Ταβέρνα Άρης)	Seafood Restaurant	Σοφοκλέους 17-19	37.980773	23.727674	[{"label": "display", "lat": 37.980773, "lng": 23.727674}]	434	105 51	GR	Αθήνα	Αττική	Ελλάδα	[Σοφοκλέους 17-19, 105 51 Αθήνα, Αττική]	
1	Ροζαλία	Taverna	Βαλτετσίου 54	37.986067	23.735178	[{"label": "display", "lat": 37.986067, "lng": 23.735178}]	449	106 81	GR	Αθήνα	Αττική	Ελλάδα	[Βαλτετσίου 54 (Εμμανουήλ Μπενάκη), 106 81 Αθήνα, Αττική]	Εμμανουήλ Μπενάκη
2	Club Νέον	Greek Restaurant	Σατωβριάνδου 7	37.984934	23.728742	[{"label": "display", "lat": 37.984934, "lng": 23.728742}]	279	104 31	GR	Αθήνα	Αττική	Ελλάδα	[Σατωβριάνδου 7, 104 31 Αθήνα, Αττική]	



Map with the Greek restaurants (blue dots) near Mr Bean Coffee" ( red dot)



# Conclusion

*Based on the analysis above , the center of Athens is the best place for someone to invest on restaurants coffees etc. We reached this conclusion with the help of the maps showing a lot pf this type of stores in the center of the city , including the comments from the customers.*