



Best Pizza Eatery to recommend
for a first time tourist to USA

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Business Requirement

- Recommend best places to have pizza for a first time tourist to USA.

Studied Cities:

5 cities for Analysis:

1. New York, NY,
2. San Francisco, CA,
3. Jersey City, NJ,
4. Boston, MA and
5. Chicago, IL.

Data Collection

FOUR SQUARE API

- 50 Premium Calls / Day
- 1 Photo per Venue
- 1 Tip per Venue

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Input Endpoint & Parameters

https://api.foursquare.com/v2/venues/search?client_id=BM4DQ2YLVN3XFFDGGI [View](#)

To make your own API request, please append a **version date** and **authentication parameter** to your request URL.

Response

```
- {
  - "meta": {
    - "code": 200,
    - "requestId": "5eae8d136001fe001b5c35c7"
  },
  - "notifications": [
    - {
      - "type": "notificationTray",
      - "item": {
        - "unreadCount": 0
      }
    },
  ],
  - "response": {
    - "venues": [
      - {
        - "id": "5923b8c0a4b51b76c28ca00a",
        - "name": "Champion Pizza",
        - "contact": {
```

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Pizza Category ID

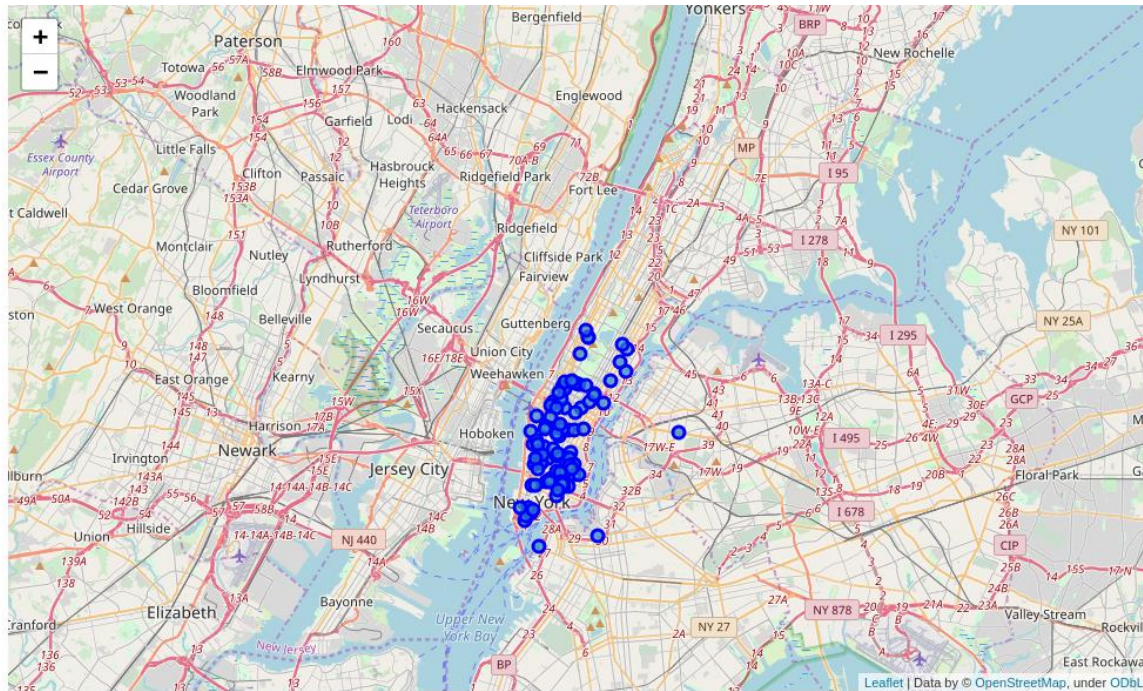
Sample Query Used- https://api.foursquare.com/v2/venues/explore?&client_id=BM4DQ2YLVN3XFFDGGKTXJQAUM115RV4XHAXWU2BIXACJ2I40&client_secret=POAFJQCYLDFOJ1Q4I4JKG3WJ0TZ04F2IZ3YHP5SH1MIZOVRB&v=20180605&New York, NY&limit=100&categoryId=4bf58dd8d48988d1ca941735



Method

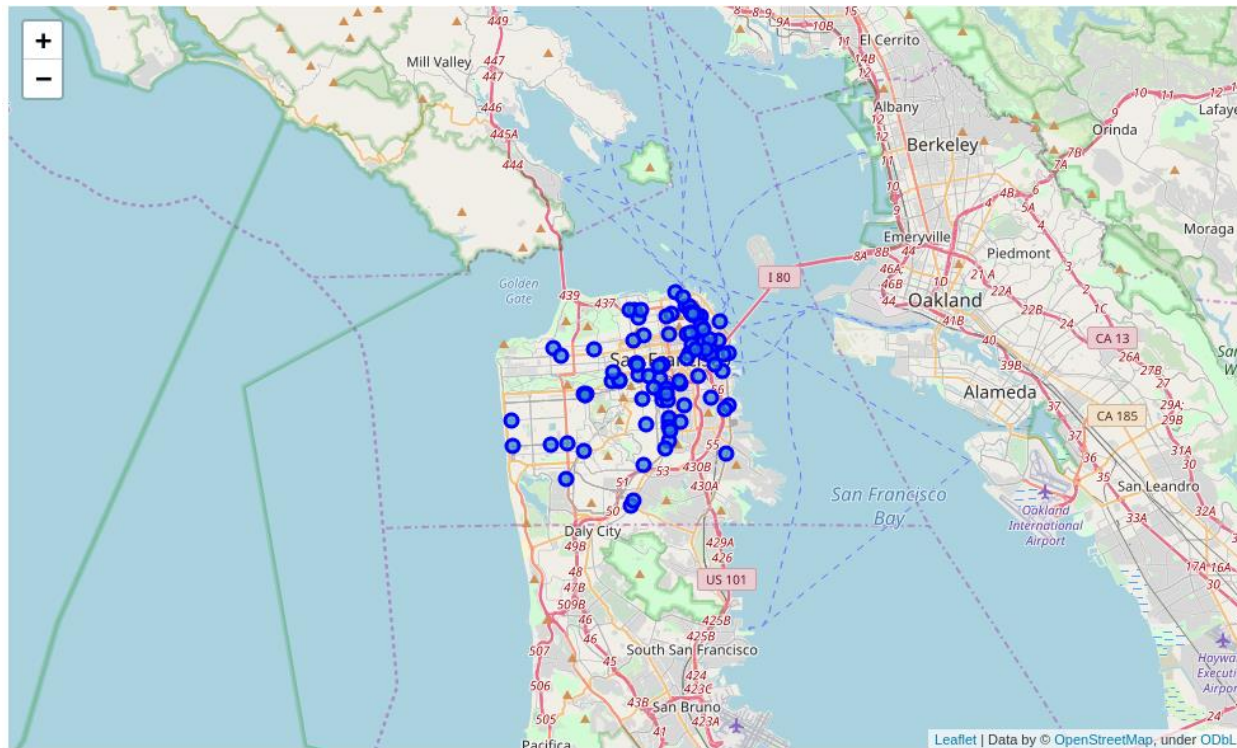
- **Calculate center coordinate of the venues to get the mean longitude and latitude values**
- **Calculate the mean of the Euclidean distance from each venue to the mean coordinates**
- **Lowest Distance is my target point**

View of the result Maps- NY

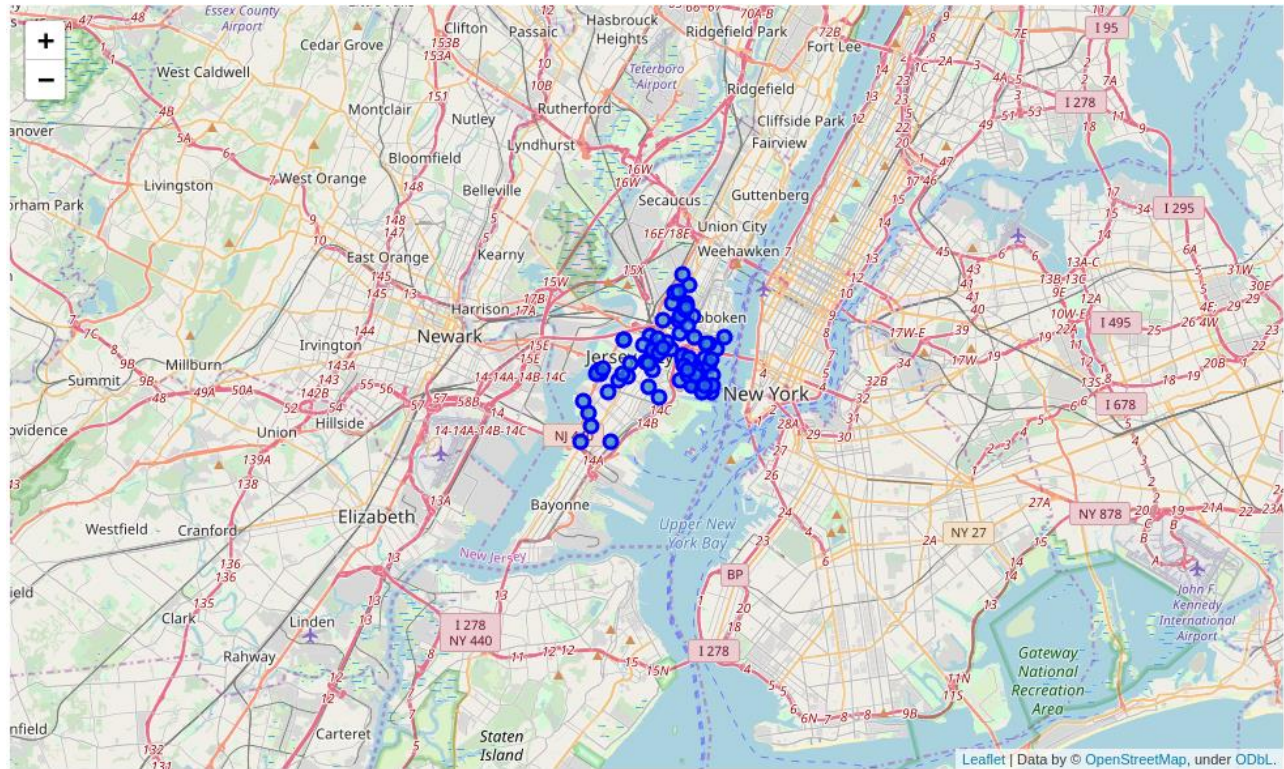




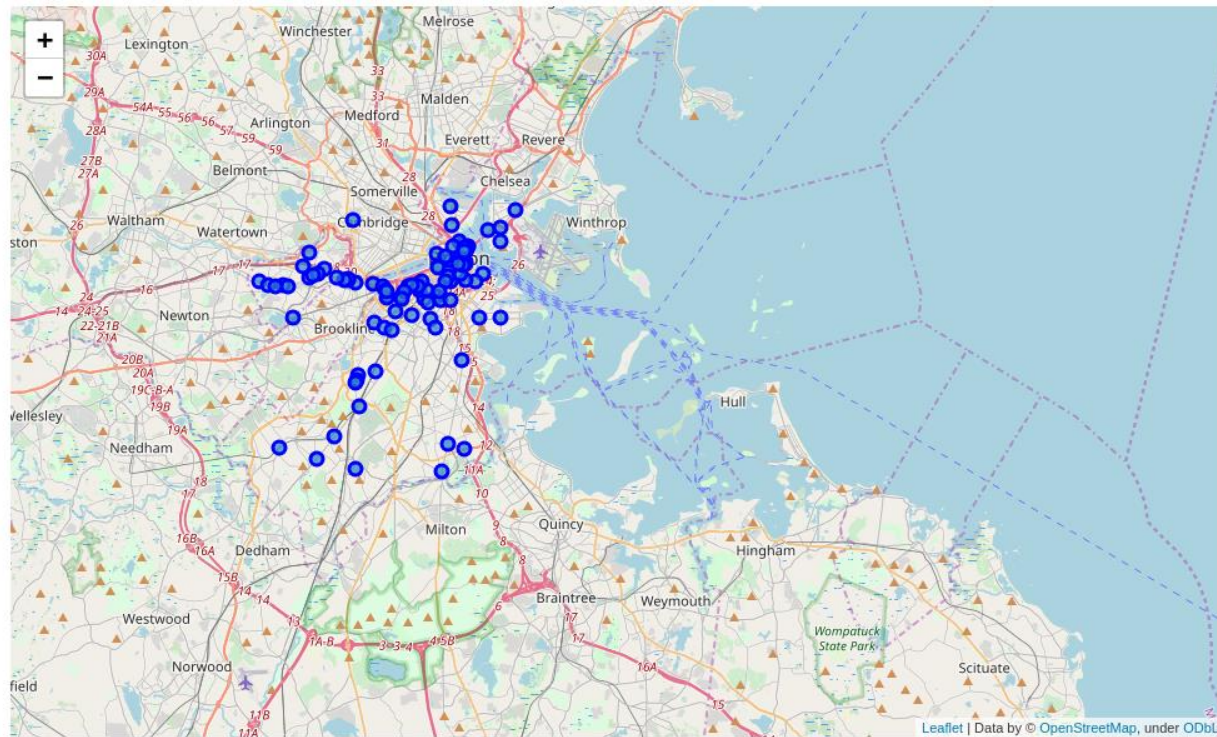
SFO Map



Jersey City



Boston



Conclusion

The best place to enjoy a pizza is
1) **Jersey City** [if travel is not an issue],
2) Next in line comes **New York**





Thank You