

Sunday, March 13th 3PM-4:30PM

Obsessed with Boba?

*Analyzing Bubble Tea
Shops in NYC Using
the Yelp Fusion API*

Presented by:
Nathan Williamson
Ho Hsieh
Chidi Ezeolu
Mark Bauer



Thank you to the organizers!

BetaNYC | Mayor's Office of Data Analytics



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A WORKSHOP!



Accessibility

- Volume and Speed (are we speaking too loud?)
- Mute your microphone
- Participation
 - Use the chat feature or raise your hand
- If speaking, please introduce yourself



Agenda

Time	Topic
10	Introductions & Agenda (3-3:10)
5	Prerequisites (3:10-3:15)
10	Getting Data using APIs (Socrata and Yelp) Nate (3:15-3:25)
15	Data Cleaning, Exploratory Data Analysis, Insights Ho & Mark (3:25-3:40)
10	Jupyter Book and Streamlit Visualizations Chidi (3:40-3:50)
30	Breakout sessions: (3:50-4:20) API Deep Dive (Nate), Dashboard/Web Apps (Chidi), EDA/Maps/Insights (Mark, Ho)
10	Summary Q & A Final Thoughts (4:20-4:30)



Prerequisites

- Familiarity of Python (or another programming language such as R or SQL)
- Knowledge of Data Analysis
- Familiarity with Jupyter Notebooks
- *Obsessed with Boba*

But those new to Python are gladly welcome!



Access the Project

- Repository name: boba-nyc
- GitHub link: <https://github.com/mebauer/boba-nyc>
- Jupyter Book (online web app version): <https://boba-nyc.datalife.nyc/>
- Slides link on GitHub: <https://github.com/mebauer/boba-nyc>



Interactive Session

- Google Colab:
 - Yelp API:
<https://colab.research.google.com/github/mebauer/boba-nyc/blob/master/teabook/api-demo-socrata-yelp.ipynb>
 - Data Inspection & Wrangling:
<https://colab.research.google.com/github/mebauer/boba-nyc/blob/master/teabook/boba-analysis-nyc.ipynb>
 - Maps/GIS:
<https://colab.research.google.com/github/mebauer/boba-nyc/blob/master/teabook/boba-maps-nyc.ipynb>
- MyBinder here: <https://mybinder.org/v2/gh/datalifenyc/boba-nyc/HEAD>

Or sit back, relax and follow along!



Download the Project as ZIP file

The screenshot shows the GitHub repository page for 'mebauer / boba-nyc'. The repository is public and has 4 unwatchers, 3 forks, and 0 stars. The 'Code' button is highlighted with a red box. A dropdown menu is open, showing options to clone the repository using HTTPS, SSH, or GitHub CLI, or to download the project as a ZIP file. The 'Download ZIP' option is highlighted with a blue box. The repository's README is visible, titled 'Obsessed with Boba? Analyzing Bubble Tea Shops in NYC Using the Yelp Fusion API'.

mebauer / boba-nyc Public

Unwatch 4 Fork 3 Star 0

<> Code Issues Pull requests Actions Projects Wiki Security Insights Settings

master 3 branches 0 tags

Go to file Add file Code

mebauer Add event RSVP link

teabook Merge pull request #4 from mebauer

.gitignore Update .gitignore file with template

LICENSE Update license to include all pres

README.md Add event RSVP link

TODO.md Test Socrata API Demo notebook

business-per-neighborhood.png fixing typo on neighborhood

environment.yml Add Socrata API Demo notebook

Clone

HTTPS SSH GitHub CLI

https://github.com/mebauer/boba-nyc.git

Use Git or checkout with SVN using the web URL.

Text

Open with GitHub Desktop

Download ZIP

Download project as .zip file

README.md

Obsessed with Boba? Analyzing Bubble Tea Shops in NYC Using the Yelp Fusion API

Presenters

About

Searching for Boba: Analyzing Bubble Tea Shops in NYC Using the Yelp Fusion API

boba-nyc.datalife.nyc/

nyc bubbletea boba

Readme

MIT License

0 stars

4 watching

3 forks

Releases

No releases published

Create a new release

Packages

No packages published

Publish your first package

- Right-click green Code button
- Click Download ZIP



Break-Out Sessions

API Deep Dive (Nate)

- How to query the Socrata API with the Python sodapy library
- How to query the Yelp Fusion API with the Python requests module

Data Engineering Thoughts: Docs & App Deployment (Chidi)

- Using [Jupyter Book](#) to organize, test, & publish documents and code
- Building an interactive app with [Streamlit](#)

EDA, Maps, Insights (Ho & Mark)

- Read-in, inspect, calculate summary statistics, and map the data with Python











QA | Final Thoughts



Say Hello 🙋

We can be reached at:

Presenter	LinkedIn	GitHub	Twitter
Mark Bauer	 LinkedIn	 Followers 52	 Follow @markbauerwater 487
Chidi Ezeolu	 LinkedIn	 Followers 5	
Ho Hsieh	 LinkedIn	 Followers 1	
Nathan Williamson		 Followers 3	

GitHub: <https://github.com/mebauer/boba-nyc>

