# Introduction to Geospatial Visualization

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0930 hrs – 1230 hrs



# // About



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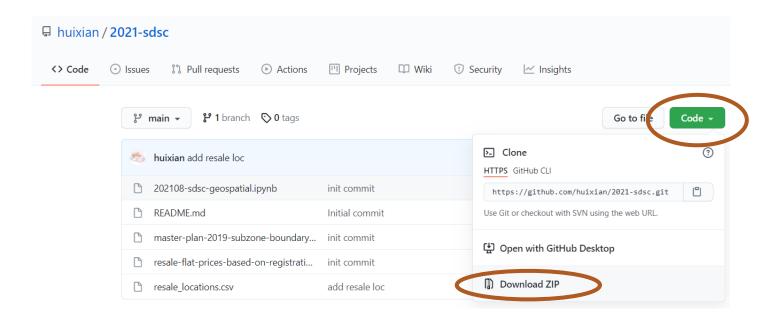
Consultant ('19 - )

# // Learning Objectives

- 1 Basics
- 1.1 What is Folium, and what can it be used for?
- 1.2 Plotting markers, circles and circle markers
- 1.3 Adding images
- 1.4 Adding convenient tools
- 2 S\$1 Million Dollar Resale Flats in SG
- 2.1 Getting coordinates of flats from OneMap API
- 2.2 Plotting flat locations using ClusterMap
- 2.3 Plotting boundaries
- 2.4 Plotting choropleths
- 3 Timestamped Path

#### Step 1

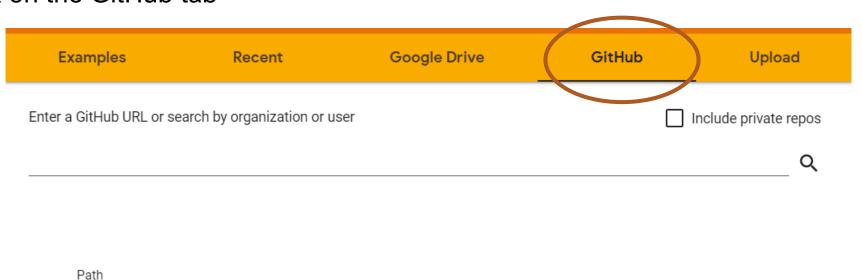
Go to <a href="https://github.com/huixian/2021-sdsc">https://github.com/huixian/2021-sdsc</a> and download the repository in a zip file Extract the zip file to your local machine



#### Step 2

Go to <a href="https://colab.research.google.com/">https://colab.research.google.com/</a> and sign in using your Google account

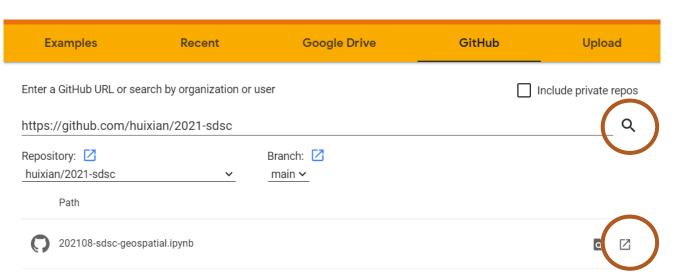
# Step 3 Click on the GitHub tab



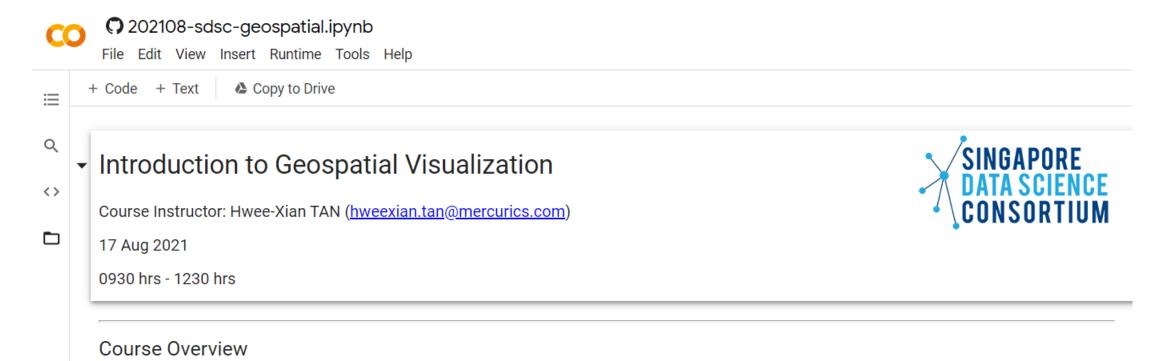
#### Step 4

Search for the following GitHub URL: <a href="https://github.com/huixian/2021-sdsc">https://github.com/huixian/2021-sdsc</a>

# Step 5 Click on "Open notebook in new tab"



#### You should now see this page!



Geospatial visualisation allows people to view patterns and trends across geographic spaces of different scales - be it at neighbourhood, town

or city level. This can then enable various applications - such as identifying hotspots of disease outbreaks, understanding travel patterns of

commuters, as well as tracking changes in the housing prices in different neighbourhoods over time.



#### Step 6

Click on the upload button on the left hand panel.

Upload the following 3 files (that were extracted from the zip file).

