**Research question:** Narrow in on your main research question. This question should be the jumping off point for the rest of your project. Optionally, add additional “sub” questions that will help you answer your main question.

* How does access to cultural sites differ among Asian diaspora groups in NYC?
  + Which neighborhoods in NYC have the highest density of cultural sites?
  + How are access to these cultural sites vary across various Asian ethnic groups?
    - pop density- we tried graphing it but the census tract had lack of info (ACS 5 year). We need better data
  + What are the spatial inequities in access to these sites based on the distribution of Asian ethnicities?
  + [Population & People - AAF Data Center](https://datacenter.aafederation.org/nyc/population-people/)

**Data questions:** Provide one or more questions that stem from your research question and can be answered via quantitative analysis and/or visualization (review [class 1 slides](https://docs.google.com/presentation/d/1IA65H1TDobN6wIMW9kClELWIHJasORp0HT82Sb3MPEI/edit#slide=id.g2fd416dcfcb_0_21) for examples of translating research questions into data questions).

* Where are the Asian cultural sites (e.g., community centers, restaurants, places of worship) that cater towards Asian communities located?
* How do the characteristics of cultural sites differ across neighborhoods (number of community centers vs grocery stores?)
* What is the geographic distribution of Asian ethnic groups across NYC by census tract? Is there an enclave of each Asian ethnic group in NYC?

**Significance:** Why does your research question matter?

* This research will ultimately illuminate cultural inclusivity and urban equity in NYC. Through spatial analysis, this study will highlight the accessibility to cultural sites among Asian ethnicities which will inform planners, policymakers, and community organizations to ensure adequate cultural representation and distribution

**Audience:** Who do you expect and want to read your paper? Consider: what do they already know, and what don’t they know? What do they care about? How general or specific is the audience?

* Urban planners, policymakers, and government agencies
* Asian business owners
* Asian cultural organizations like museums and galleries
* General public interested in advocating for a multicultural landscape

**Decision makers:** Who has power to change this policy or implement recommendations? Who might you ultimately want to influence with this project?

* NYC Department of City Planning
* Asian cultural organizations
* NYC Mayor’s office
* Urban planning consultants

**Existing literature, research, reporting** (including legislation, administrative policies, news articles, reports, maps, academic publications, or other) which will provide context or support your data-driven storytelling.

[New York City + Boroughs - AAF Data Center](https://datacenter.aafederation.org/nyc/) ← dataset on asian ethnicities by borough

[Asian-Owned Businesses in NYC](https://trippin.world/guide/asian-owned-businesses-in-nyc) ← trippin.world

<https://queenspost.com/asian-new-yorkers-see-hope-in-preliminary-political-map-that-unites-some-neighborhoods>

[New York Asian-American Small Businesses Struggle After Covid](https://www.bloomberg.com/graphics/2021-nyc-asian-american-recovery/)

[Frontiers | Spatial Analysis of Chinese American Ethnic Enclaves and Community Health Indicators in New York City](https://www.frontiersin.org/journals/public-health/articles/10.3389/fpubh.2022.815169/full)

**Potential datasets:** Identify and explore available datasets to check whether they contain the data needed to answer your question. This is a first attempt -- if you need to shift gears after exploratory analysis, that’s OK. The data source guide [here](https://docs.google.com/document/d/1PIaSOgj6-RVG8wFE-IZf0g-bLUoe06fEW6WUjfuP8uQ/edit) is a helpful starting point.

NYC Census Tract: <https://www.nyc.gov/site/planning/data-maps/open-data/census-download-metadata.page>

Asian Heritage Centers:

<https://www.ninemusestravel.com/post/9-nyc-cultural-centers-to-visit-in-asian-pacific-american-heritage-month>

Decline in Asian Businesses Post-Covid Datasets:

<https://assets-global.website-files.com/6421a78c8c79ec459fe8185d/6615835a0a5c74abec751a79_TAAF%20Report%20-%20AAPI%20Business%20Owners%20in%20NYC%202023.pdf>

Population of various Asian ethnicities in NYC:

<https://data.census.gov/table/ACSDT5YSPT2021.B01003?q=population%20&t=-04&g=040XX00US36,36$1400000>

Asian Population Dataset: <https://data.census.gov/table/ACSDT5YSPT2021.B01003?q=race&t=031&g=040XX00US36,36$1400000>

**Analysis methods:** Describe how you expect to conduct your analysis. What metrics, statistics, and visuals do you expect to produce? Do you already know how to do this or will you need support in figuring it out? Remember - your analysis needs to directly relate to your research question and help answer it.

* Utilize Qgis to map the proximity of Asian cultural resources throughout the city
  + Tabular Join of asian ethnicity to the census tract
  + Add locations of cultural organizations/businesses through XY Coordinate point
* Utilize R coding for further data analysis and create necessary bar charts
  + Explore population change in neighborhoods of NYC and create datasets

**Findings:** What do you expect to find?

* Spatial inequities in access could highlight underserved communities.
* Results might inform city planning for equitable cultural site distribution.

**Impact/takeaways:** What are the broader implications of your anticipated findings? Why do they matter? In an ideal world, what impact could your findings have?

* We expect to see enclaving of ethnicities in NYC which indicates the need for community

**Anticipated challenges:** Think about potential difficulties you may face while working on this assignment, from acquiring data to communicating about your findings to your audience in an accessible way. If you are struggling with portions of this assignment, explain those challenges and your thinking (so your instructors can support).

* Utilizing R to sort the dataset
* Not enough data on locations of Asian cultural spaces

**Description of your research team, if you are working with other students in the class on the final project:** Who will take a lead on which components of the project?

* This research will be conducted by Cindy Nguyen and Robin Kim
  + Will work collaboratively in-person throughout the project
  + Already started a google drive of datasets that we want to map
  + Robin will focus more on QGIS
  + Cindy will focus more on R coding

**Timeline**: What is your anticipated timeline/milestones for accomplishing various parts of your project?

By the end of November:

* Have all the datasets/shapefiles that we will use
* Started to map the datasets collected data

First week of December

* Finish up collecting data
* Write blog post
* Create presentation