**CHECKLIST:**

**Introduction**

* Brief introduction to report

**Part A**

* + **A.1**: Description of data and context
  + **A.2**: Mapping and Data Visualization: Airbnb presence at the census tract level
    - **Figure 1**: (1) location of listings with room\_type equal to "Entire home/apt"; and (2) location of Airbnb listings with room\_type equal to "Hotel room", or "Private room", or "Shared room"
    - **Figure 2**: Number of listings per census tract. Explore spatial distribution of the data using choropleths
    - **Figure 3**:Average price per census tract. Explore spatial distribution of data using choropleths
    - **Narrative**: What are some key takeaways of the spatial distribution of Airbnb in Chicago that we learn from these three maps? Justify your data classification methods and visualisation choices.
  + **A.3**: Mapping and data visualization – Socio-economic variables from the ACS data
    - **Figure 4**: Select two variables from the American Community Survey data. One figure with two submaps: one choropleth for each variable selected
    - **Narrative:**What can you say about the spatial distribution of your socio-economic variables of interest? Justify your data classification methods and visualization choices.

**Part B [CHOOSE]:**

* **[Option 1]:**Interpolation (IDW) or Point Pattern analysis of Airbnb or OSM data
* **[Option 2]:**Network Analysis or Routing
* **[Option 3]:**Work with Landsat data (raster) Land use classification
* **[Option 4]:**Plotting relationships between spatial variables
* **Narrative**: Address the following points
  + Describe the analysis type that you have decided to implement, and discuss why. Discuss any key parameters of your analysis that you had to decide upon.
  + Visualise the output of your analysis. You might choose to incorporate some of the data available to you to communicate your message.
  + Analyse your results: what have you learned from your analysis?
  + What is one piece of advice you derive from your findings that might provide insights to the city decision-makers?

**Part C [CHOOSE]:**

* **[Option 1]: Complete another option from Part B**
* **[Option 2]: Choose your own data and analysis**
  + **\*\***Idea: find a link between urban greening + gentrification?
* **Narrative**:  Address the following points
  + Justify why you have chosen to focus on those data.
  + Visualise your data and/or the output of any analyses you have carried out.
  + Analyse your results: what have you learned from your analysis of these data?
  + What is one piece of advice you derive from your findings that might provide insights to decision-makers?

**Conclusion**

* Include a brief conclusion statement to your report

**References**

* 5 total