# Group Name's Group Project

2025-09-12

### Declaration of Authorship

We, [insert your group's names], pledge our honour that the work presented in this assessment is our own. Where information has been derived from other sources, we confirm that this has been indicated in the work. Where a Large Language Model such as ChatGPT has been used we confirm that we have made its contribution to the final submission clear.

Date:

Student Numbers:

### Priorities for Feedback

Are there any areas on which you would appreciate more detailed feedback if we're able to offer it?

### Word Counts

We will only count the text that you've added in the final PDF. Headings, guidance, etc. do no count towards the total. References do. And please also see the rest of guidance relating to Content.

# Code Examples

This page has example code to show you can include outputs while hiding code in Quarto, as well as some tools for interpolating data in the text. **Remove this page (up to the next pagebreak) prior to submission!**

See the raw file for examples of how to hide computational output as there is code hidden here.

```
1  # This code will be shown,
2  # but the next block will not
3  import os
4  import pandas as pd
```
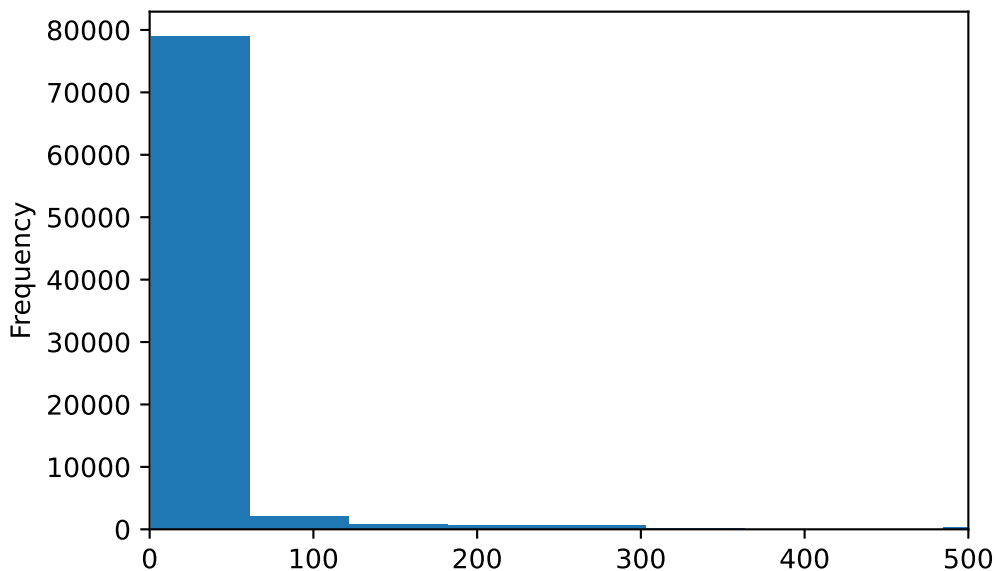
An inline citation example: As discussed on 'Inside airbnb' (n.d.), there are many...

A parenthetical citation example: There are many ways to research Airbnb (see, for example, 'Inside airbnb', n.d.)...

One of way to embed output in the text looks like this: after cleaning, we were left with 85,127 rows of data.

The other way is to interpolate it directly into the sentence like this (`{python} row_count`); however, I've found it less reliable and it really requires you to be careful about data types. So `{python} print(f"{df.shape[0]:,}")` probably won't work and you'll just see some Python code instead.

And here's a nice little chart straight into the document!

# Briefing

In the midst of an election, a newspaper has broken the story of an advisor on social mobility to the Mayor owning three homes, two of which are let on Airbnb (one of which is still council-owned housing!). The opposition has announced a plan to force all *professional landlords* to register their properties and face higher Council Tax rates claiming that Airbnb is 'out of control' in the capital.

The Mayor wants to understand the scale of the 'problem' and the likely impacts of the opposition's proposal so that they can either adopt it (and show how responsive they are) or demonstrate how poorly thought-through the opposition's proposal is (and show that they're not ready to govern).

They have come to you—their team of data analysts and policy advisors—for a briefing supported by evidence and visualisations that they can use in their campaign communications. You are working in an information-poor environment, so you will need to make assumptions, justify them clearly, and show how they affect your conclusions. Use data, reasoning, and clear visualisation to build a persuasive and evidence-informed argument.

### 1. Is Airbnb 'out of control' in London?

Draft answer due Week 7.

### 2. How many professional landlords are there?

Draft answer due Week 8.

### 3. How many properties would be affected by the opposition's proposal?

Draft answer due Week 9.

### 4. What are the likely pros and cons of the opposition's proposal (for the Mayor, for residents, and for the city)?

### 5. Can the story be reframed as a positive one about social mobility or housing opportunity?

### References

'Inside airbnb' (n.d.). Available at: http://insideairbnb.com.