

IVIS 2025

Group 5

AinBnb in Vienna

Attila Lazar - Ibrahim Kholil

AirBnb in Vienna

- How do listings of AirBnb accommodations vary across Vienna?
- Solution: offer an interactive data exploration system

Components

- Interactive Map
 - Show aggregated data
 - Zoomable
 - Show details when zoomed in
- Barchart/Histogram
 - Show detail statistics
 - Filtered by zoomed in area
- Options
 - What attributes to show

Data

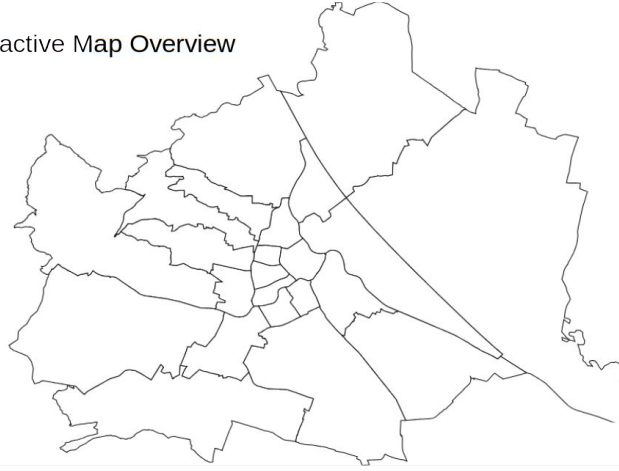
- Data scrapped by a third party
- listings.csv
- Ca 20.000 listings
- <https://insideairbnb.com/get-the-data>

Data - Attributes

- Geographical Coordinates
- Price
- Availability
- Room type
- Number of reviews

Sketch

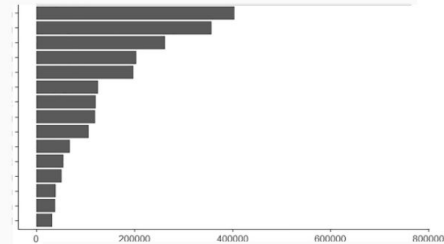
Interactive Map Overview



Options

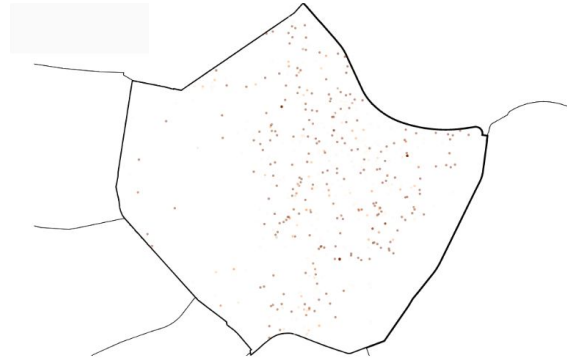
- + price
- + availability
- + reviews

Statistics



Sketch

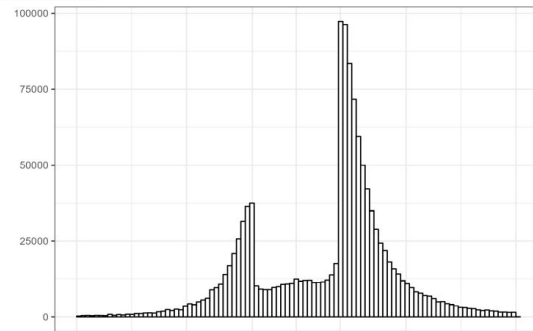
District Detail



Options

- + price
- + availability
- + reviews

Histogram



Video

https://drive.google.com/file/d/1C9PvVxMJSp9tpf_tkpG_lydFCQJj5z0T/view?usp=sharing