

Document highlight:

- Setup Tableau Public
- Dataset
- Load the files and setup the table relationships
- Sampling scenario:
If aiming to go into the AirBnB rental business, what (or where) are the factors to consider and to look at. Things to weigh in are - # of bedrooms, location, pricing, etc.
 - Sheet 1 - Average Price by Zipcode (Graph)
 - Sheet 2 - Average Price by Zipcode (Map)
 - Sheet 3 - Revenue by Week
 - Sheet 4 - Average Price by Bedroom
 - Sheet 5 - Count of Listed Property by Bedroom
- Build the Tableau dashboard
- Tableau public link:
https://public.tableau.com/app/profile/noel.lopez6438/viz/Airbnbdashboard_17310437930290/Dashboard1?publish=yes

1. Setup Tableau (Public)

Download and install (follow installation guide):

<https://www.tableau.com/products/public/download>

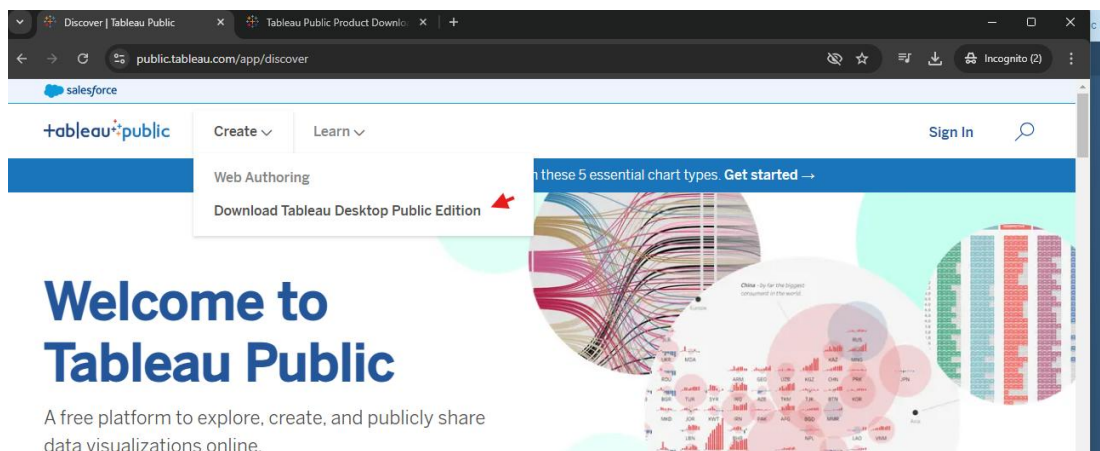
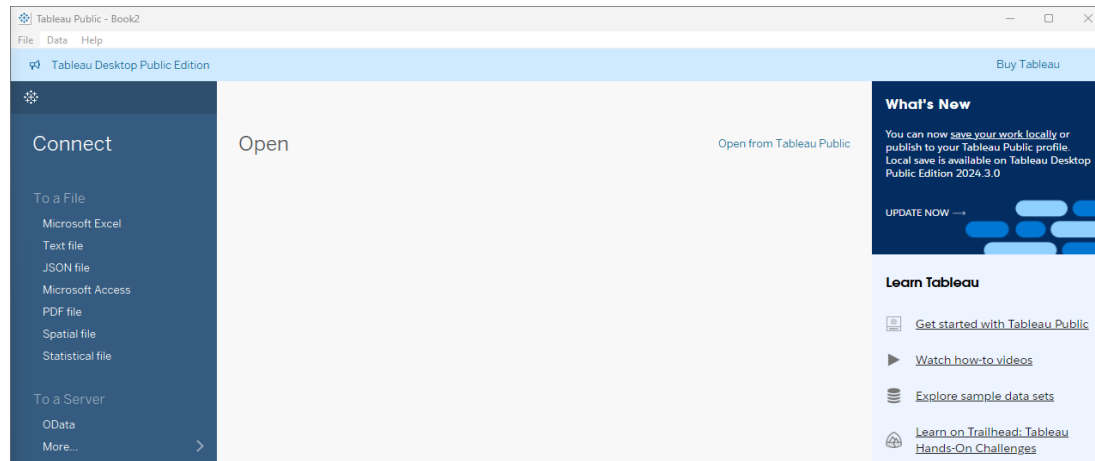


Tableau Public home screen (desktop)



2. Dataset

AirBNB dataset:

<https://www.kaggle.com/datasets/alexanderfreberg/airbnb-listings-2016-dataset?resource=download>

Seattle Airbnb Open Data

A sneak peek into the Airbnb activity in Seattle, WA, USA



Data Card Code (97) Discussion (5) Suggestions (0)

About Dataset

Context

Since 2008, guests and hosts have used Airbnb to travel in a more unique, personalized way. As part of the Airbnb Inside initiative, this dataset describes the listing activity of homestays in Seattle, WA.

Content

The following Airbnb activity is included in this Seattle dataset:

- Listings, including full descriptions and average review score
- Reviews, including unique id for each reviewer and detailed comments
- Calendar, including listing id and the price and availability for that day

Usability ⓘ

7.06

License

CC0: Public Domain

Expected update frequency

Not specified

Tags

Travel

Hotels and Accommodations

United States

Import the file in Tableau:

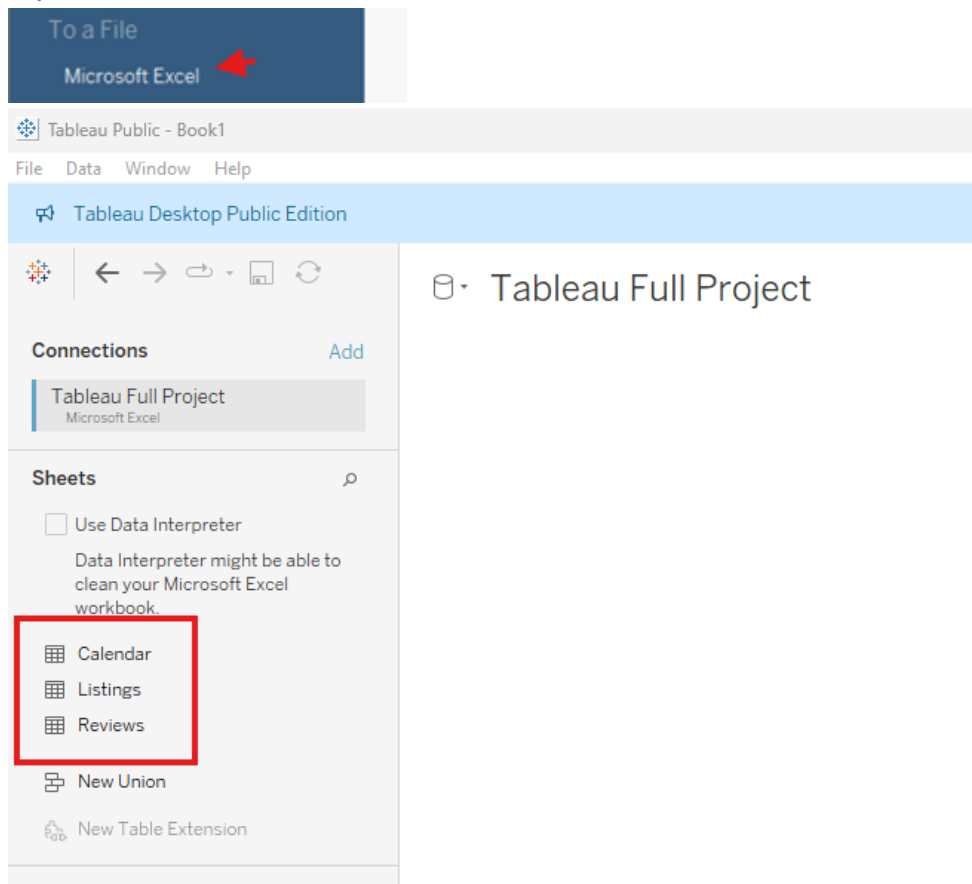
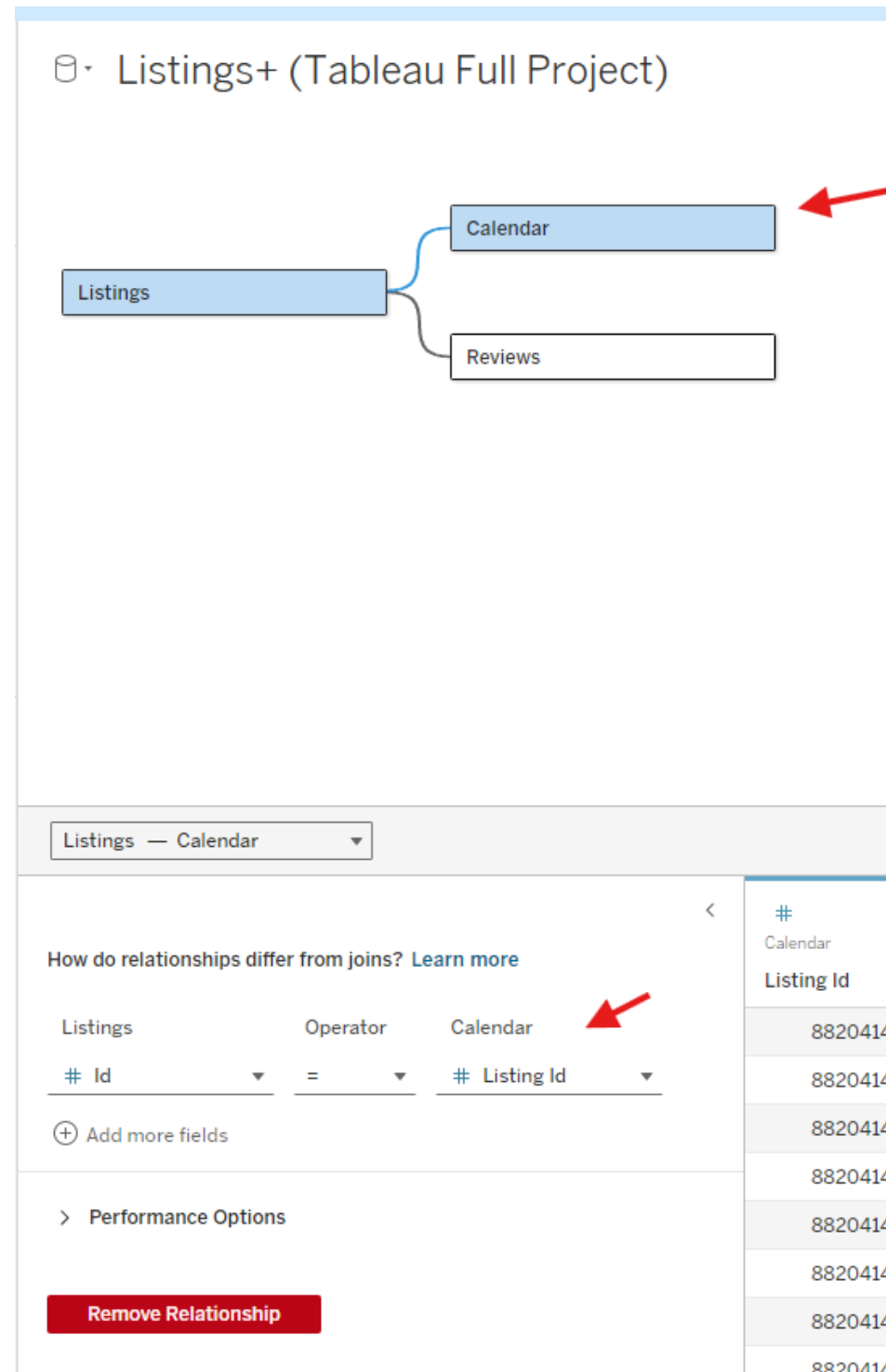


Tableau Full Project

3. Load the files and setup the table relationships

Listings <--> Calendar



Listings <--> Reviews

Tableau Desktop Public Edition

Connections [Add](#)

Tableau Full Project
Microsoft Excel

Sheets [+](#)

☐ Use Data Interpreter
Data Interpreter might be able to clean your Microsoft Excel workbook.

Calendar
Listings
Reviews
New Union
New Table Extension

Listings+ (Tableau Full Project)

Calendar
Listings
Reviews

Listings — Reviews

How do relationships differ from joins? [Learn more](#)

Listings Operator Reviews

Id = # listing id (Review

+ Add more fields

> Performance Options

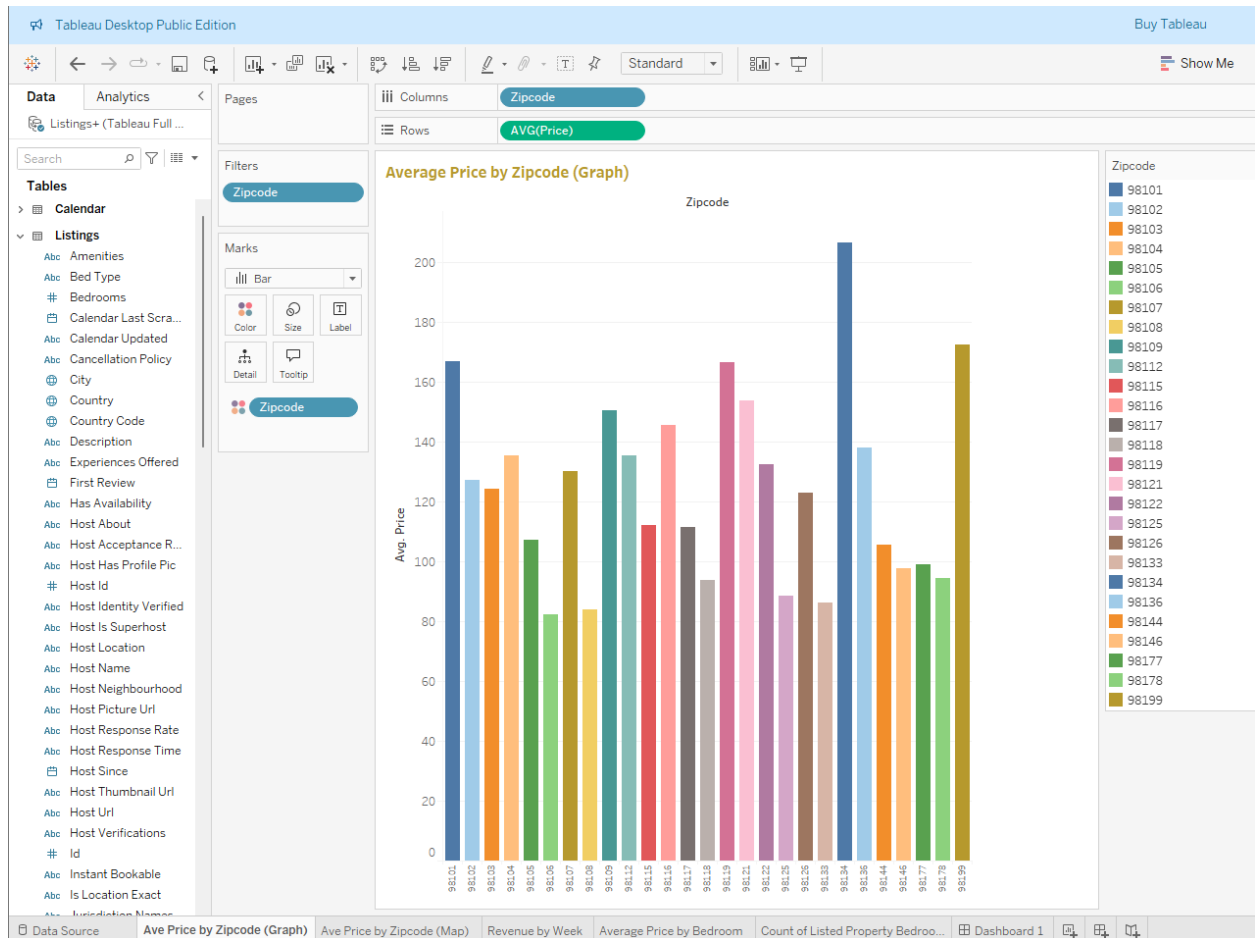
Remove Relationship

Calendar
Listing Id
8820414
8820414
8820414
8820414
8820414
8820414
8820414

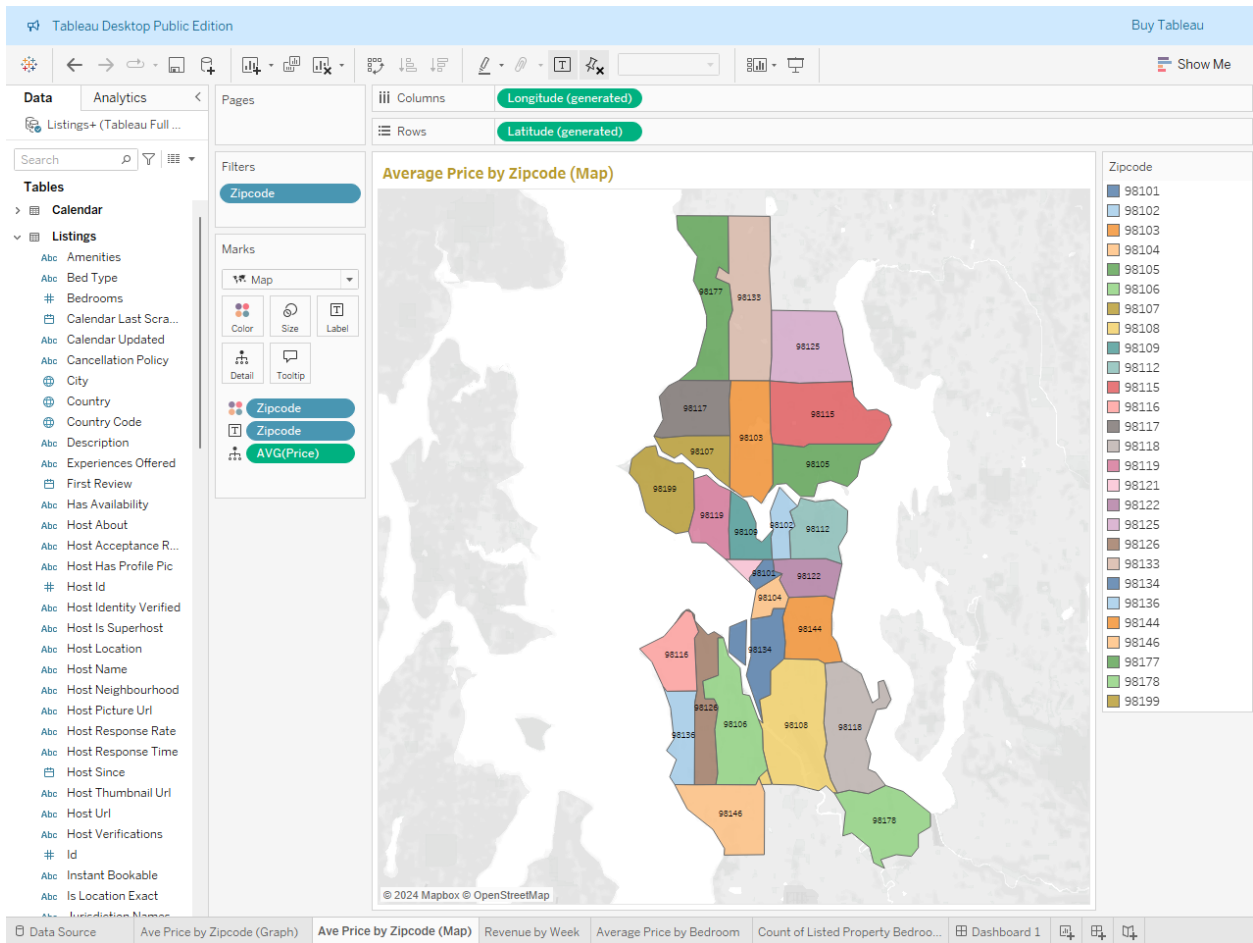
4. Sampling scenario:

If aiming to go into the AirBnB rental business, what (or where) are the factors to consider and to look at. Things to weigh in are - # of bedrooms, location, pricing, etc.

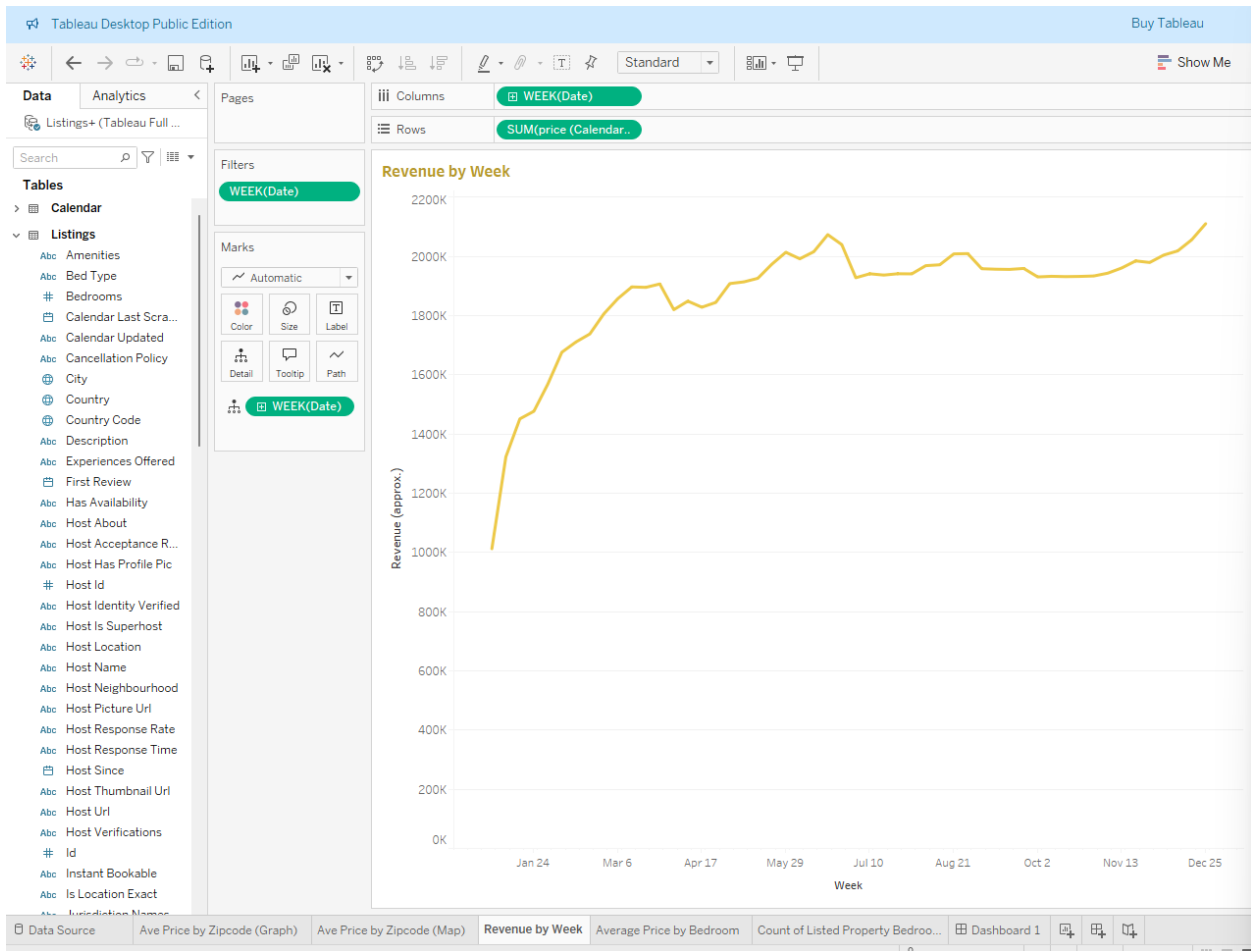
Sheet 1 - Average Price by Zipcode (Graph)



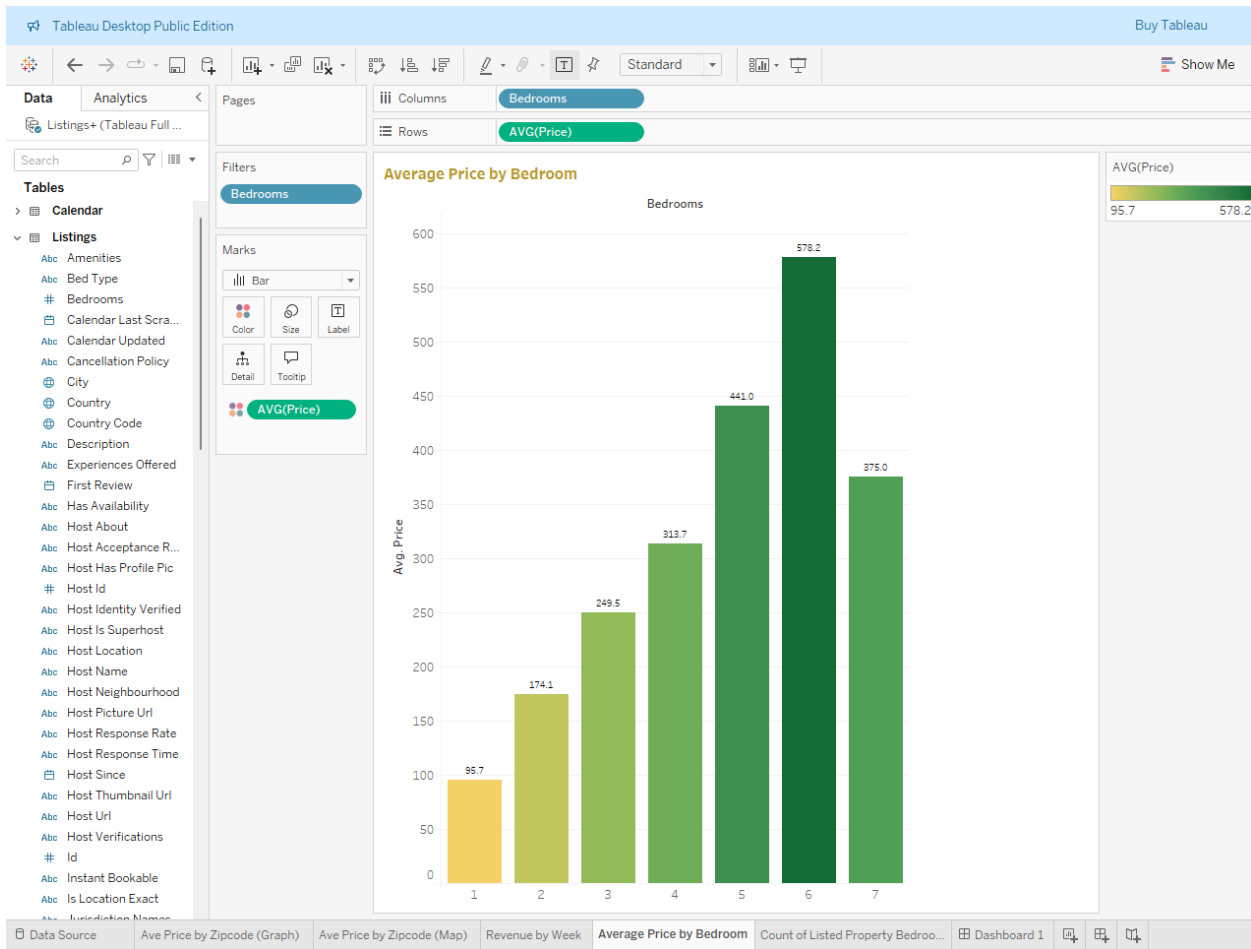
Sheet 2 - Average Price by Zipcode (Map)



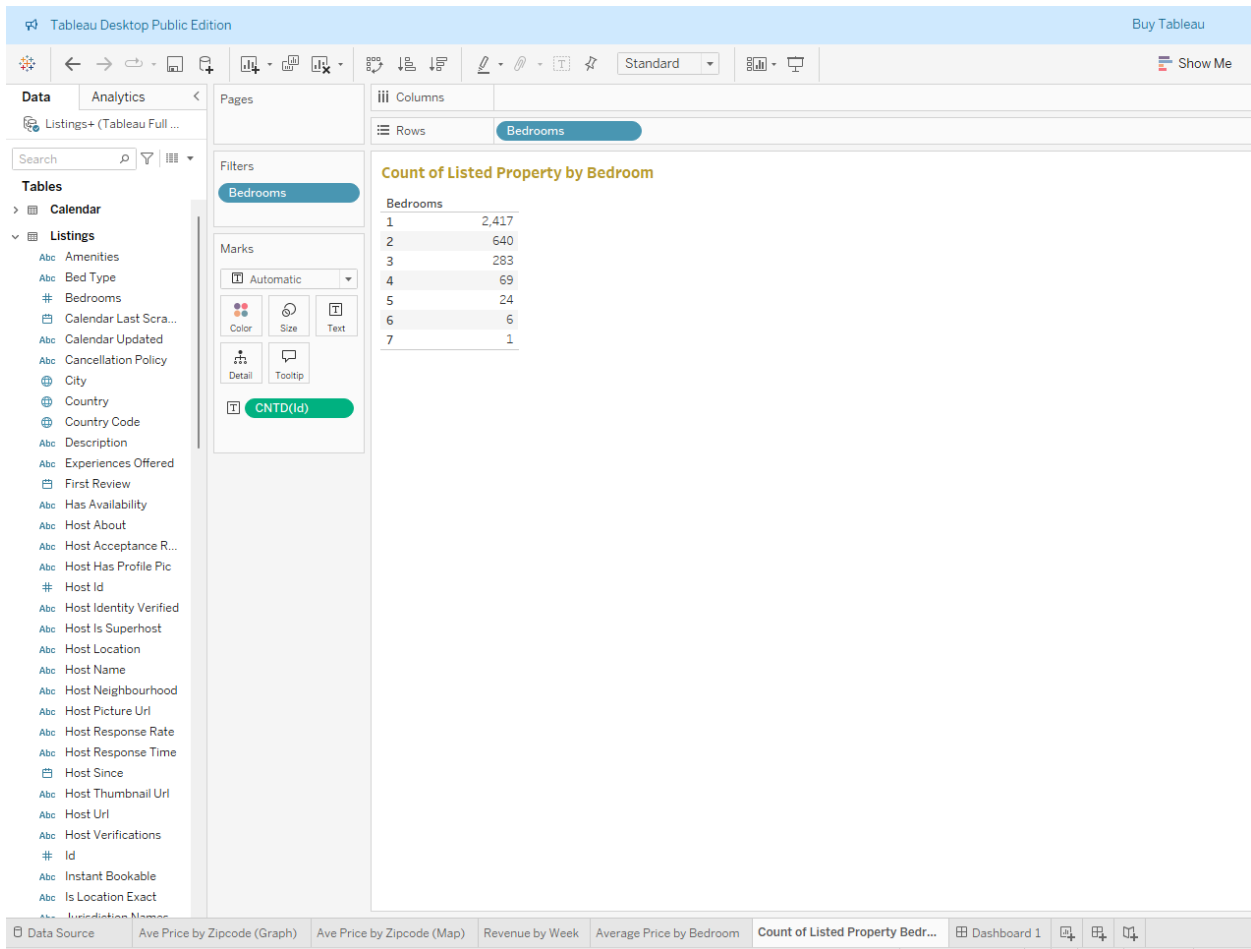
Sheet 3 - Revenue by Week



Sheet 4 - Average Price by Bedroom

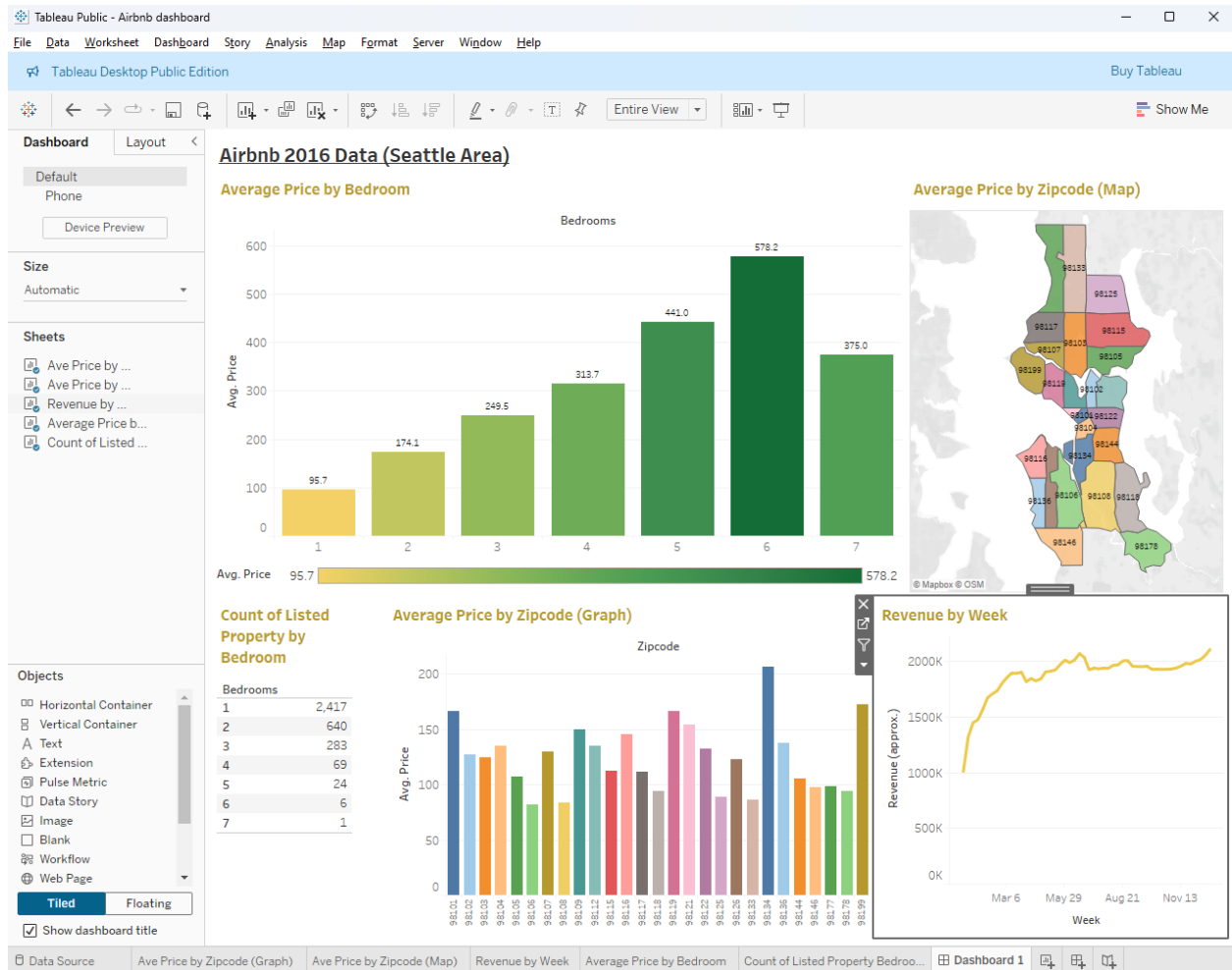


Sheet 5 - Count of Listed Property by Bedroom



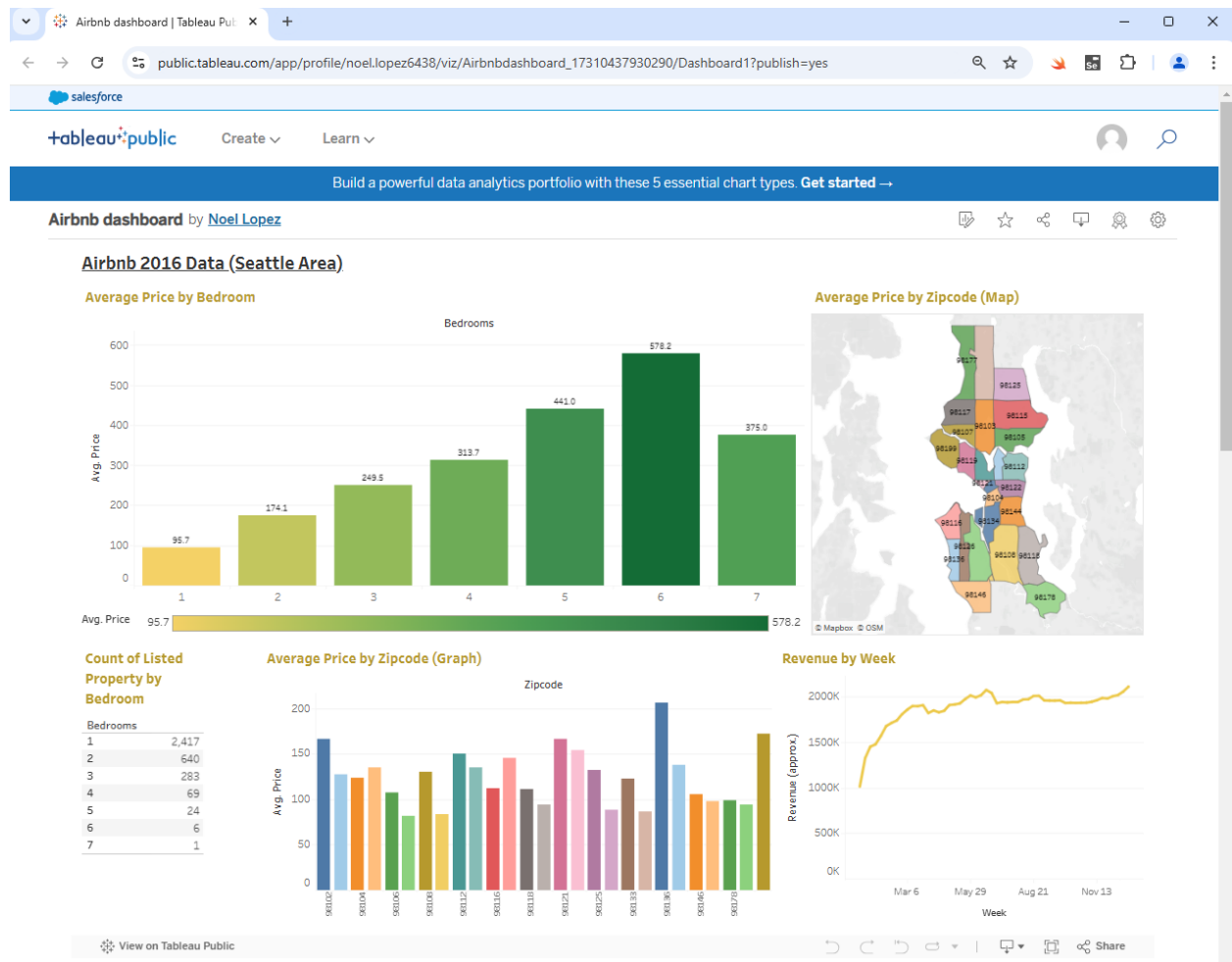
5. Build the Tableau dashboard

Layout the tables on the Tableau dashboard



After publishing, the dashboard goes live (public):

https://public.tableau.com/app/profile/noel.lopez6438/viz/Airbnbdashboard_17310437930290/Dashboard1?publish=yes



*****END*****