

## **Activity: Create a chart in Tableau**

### **Activity Overview**

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In this activity, you will create visualizations in Tableau based on a BI scenario. If you don't have a lot of experience with Tableau, this will help you get comfortable in the program. If you do have experience in Tableau, this activity will further your knowledge and teach you BI-specific techniques.

Be sure to complete this activity before moving on. The next course item will provide you with a completed exemplar to compare to your own work. You will not be able to access the exemplar until you have completed this activity.

### **Scenario**

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Imagine that you are asked to build some charts for a business that purchases properties in an area, converts them into rentals, and offers them to people on vacation in Athens, Greece. Your contact gives you some recent data from Airbnb about the rentals in the city. This data includes the price to stay at each listing, the durations of each stay, the locations of these rentals, and more.

Your point of contact asks you to create charts to answer the following questions:

- What is the average price per night in each neighbourhood?
- Where in the city are the highest concentrations of currently-available rentals?

In the following steps, you'll practice working with data in Tableau to create charts that answer these questions.

### **Part 1 - Set up your data**

#### **Access the data and Load it to tableau**

Note the most relevant columns: Id, Neighbourhood, Longitude, Latitude, and Price. Get a sense of what types of data are in each of these columns since you'll be using them to make charts in the rest of this activity.

Ask yourself the following questions to help you evaluate the data:

- Which columns are string data and which are text?
- Is any data missing?

- Do any names or IDs occur particularly often?
- Are there any unusually high or low values in the Price column?

## **Part 2 - Build your first chart**

**Step 1: Visualize average price, reviews and availability per neighbourhood**

## **Part 3 - Build a map chart**

## **Part 4 – Create a dashboard**

[https://public.tableau.com/app/profile/jo.o.ornelas/viz/AthensRentalDashboard\\_17642649989030/Dashboard1](https://public.tableau.com/app/profile/jo.o.ornelas/viz/AthensRentalDashboard_17642649989030/Dashboard1)