**Activity: Build an interactive dashboard in Tableau Public**

**Activity Overview**



In a previous activity, you built a bar graph data visualization in Tableau Public.

In this activity, you will use Tableau Public to design an interactive dashboard. This dashboard will tell a multitude of compelling stories about the data it represents by allowing end users to compare critical data variables in real time. Your interactive dashboard will also help a stakeholder make business decisions based on a business need.

The structure of this activity is designed to emulate the proposals you will likely be assigned in your career as a data professional. Completing this activity will help prepare you for those career moments.

Be sure to complete this activity before moving on. At the end of this activity, you will be provided 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**



Review the following scenario. Then complete the step-by-step instructions.

Imagine you are again consulting for the transportation department in Seoul, Korea. The director of transportation is curious about the impact of national holidays on bicycle rentals in 2017 and 2018. The director’s instinct is that the total number of bicycles rented on holidays decreased.

The transportation department has sent you a screenshot of an initial data visualization, but they would like you to provide a more dynamic way of presenting the data. In particular, they would like to compare total bike rentals on holidays with adjacent non-holiday days and matching weekdays.

Your task is to create a dynamic dashboard that compares the impacts of a holiday on bike rentals by weekday or adjacent day.

**Step-By-Step Instructions**



Follow the instructions to complete each step of the activity. Then, answer the three questions at the end of the activity before going to the next course item to compare your work to a completed exemplar.

**Step 1: Access supporting materials**

To download the data for this course item, click the following link and select *Use Template*.

Link to data:[Seoul bicycle rental dataset](https://docs.google.com/spreadsheets/d/1t0tOZJrhQihibYFnJ6lF2baXfDYrU-A4HvWqNrgMUtE/template/preview?resourcekey=0-1Ox-ENKPQN5-dVjFXq5P5Q#gid=2106842449)

OR

If you don’t have a Google account, you can download the data directly from the following attachment.

2- You will need a [Tableau Public](https://public.tableau.com/s/) account to complete this activity. If you haven’t created an account yet or need to review how to connect to data, review the reading [*How to sign on to Public Tableau*](https://www.coursera.org/learn/go-beyond-the-numbers-translate-data-into-insight/supplement/muYtK/how-to-sign-on-to-tableau-public)**.**

If you already have a Tableau Public account, log in to your account.

Step 3: Upload your dataset

In your Tableau Public account, go to your profile and select *Create a Viz*. You will be directed to a screen that asks you to connect to data. When prompted, upload the **Seoul bicycle rental dataset**.

Step 4: Assess the current data

For this activity, the Seoul transportation department has shared a screenshot of a basic data visualization. They provided this to you as a starting point for your work.

In Tableau, you can start by opening a new worksheet and dragging the “Date” variable to the columns shelf and adjusting the dimensions to “MDY” (or “M/D/YY,” as it is shown in the dropdown). Then drag “Rented Bike Count” to the row shelf. Lastly, drag “Holiday” to the “Colors” field, ensuring blue is selected for “No” and orange for “Yes.”

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You’ve designed two different worksheets showing the data you want. Now you need to create a dashboard that puts them together. Click on the new dashboard button at the bottom of the screen in Tableau.

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