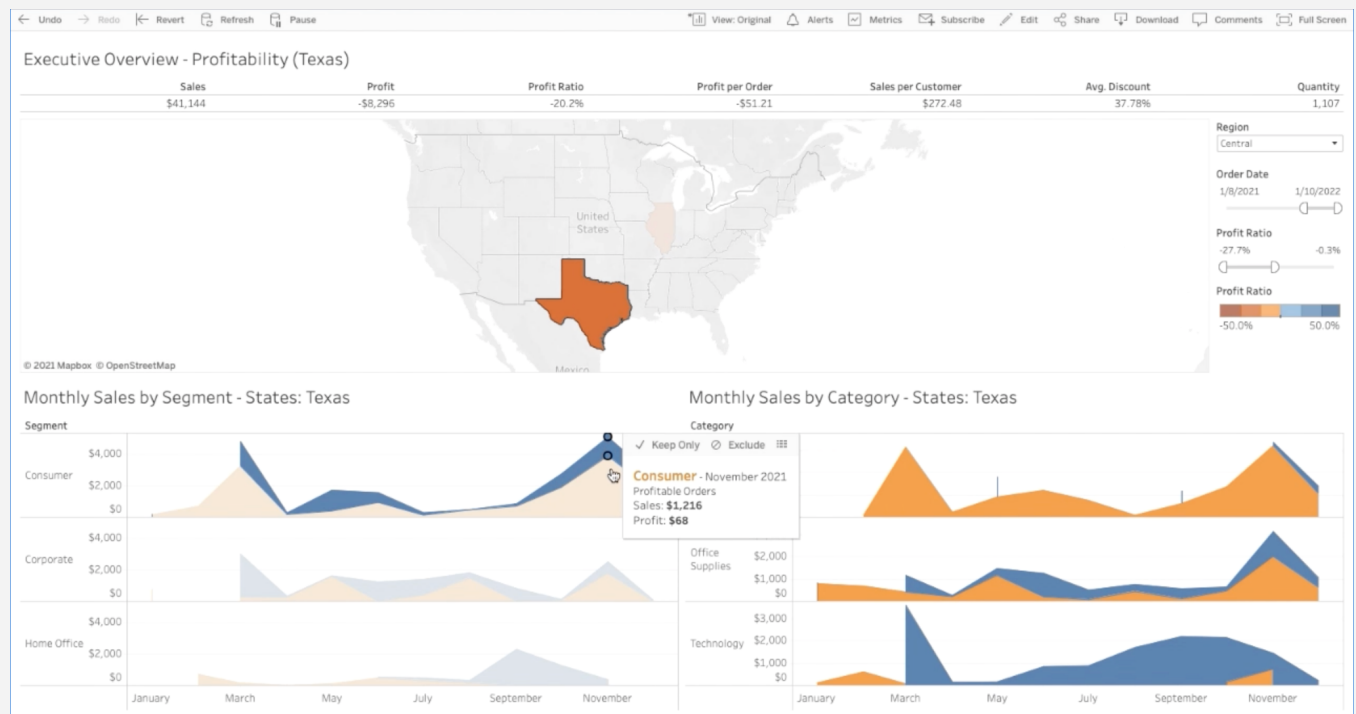# Hands-on: Intro to Tableau

The goal of this hands-on activity is to be familiar with a leading technology on visualizations and practice with data and tools using the Tableau training resources. You will create visualizations and an interactive dashboard. The below is an example of what you will create at the end of the practice:

1. **Visit sample dashboards**

Just spend a few minutes to take a look at three sample dashboards https://public.tableau.com/app/discover. Check the designs and capacities.

2. **Download Tableau Public or latest version**

Tableau Public is a free platform that allows users to explore, create, and share interactive visualizations using publicly available data online. You can sign-up for Tableau Public by clicking this link or by navigating to the Sign In at the top of any page on tableaupublic.com. Once you've completed the sign-up form, you're ready to start building out your profile and data visualizations.

Tableau Public is limited in terms of Python Integration. However, for the first time hands-on tutorials, we just need it.

3. **Better way - Download Tableau Desktop 2022.2 or latest version, but don't rush to create online server account for now**

Throughout the hands-on activities on Tableau, you will need to access Tableau Desktop (Tableau Prep is optional so I strongly encourage you to check the capacity).
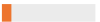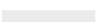
Please request a student license on your computer (for an entire year it is FREE!) through the [Tableau for Students](#) program. Download and install Tableau Desktop. Also you will need to create an online account for web support.

If you create an account on the server with Tableau Desktop Version, it will expire in two-weeks. Just wait until I assign you Python Integration Assignment soon. For now, start with Tableau Public.

By the way, the school has a permanent license for the full version so you can connect to the RIT server/access it through the lab computers.

4. Watch the introduction and training videos ⇒ Start practicing

The link is found at https://www.tableau.com/learn/training/20222. You will see a total of 53 min videos for training in Tableau Desktop 2022.

5. Spend time, practice the training videos

As much as possible, complete the training by practicing the skills. This may take time. To practice, you need to download the data set and workbook (getting_started_in_visual_analytics.twbx).

Once you complete the practice of the tutorials, just be aware that how to make parametrization and deal with level of detail practices are missing. It is up to you to learn about these. Also, **story points in Tableau** would be your interest to learn and create - just optional.

6. Submission

At the end of the nine short videos under Getting Started, you will have designed an interactive dashboard. Once you finish all the training videos by practicing on Tableau, just **submit one nice screenshot of your designed dashboard** under Discussion.

7. Do you have time to play with real data? ⇒ Bonus

Browse the datasets and descriptions at http://insideairbnb.com/get-the-data/. Choose a city, download the datasets and explore it with the graphical tools in Tableau. You can merge files or use only one useful data set. Create some authentic visualizations and make a dashboard. Write the stories, insights, patterns you discover on the dashboard. Save the workbook in .twbx. Publish it on the public web (don't use Tableau Server!), drop the web link to Bonus.