Mapping Zika Cases in the United States
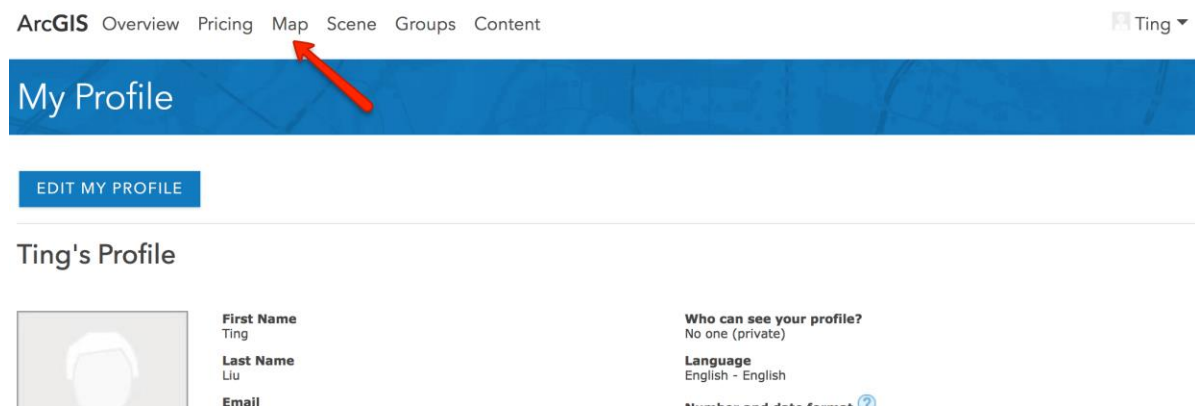Using ArcGIS Online

Preparation Steps

- **Download the data** (Zika cases of U.S. at state level) at:
  https://drive.google.com/open?id=1cVP3j_oUAJU_xkk9yWla1BVimJs6eIIg

  The Google Drive contains CDC's state case counts related to the 2015-2016 Zika outbreak. You could open these csv (comma-separated values) files in MS Excel.
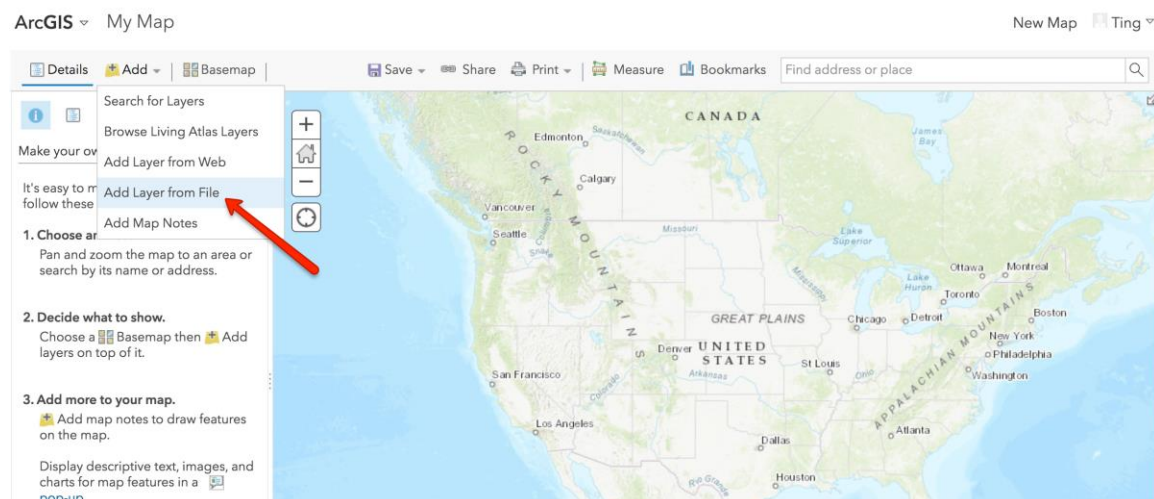
- Then, create an **ArcGIS Online Public account** at:
  https://www.arcgis.com/home/signin.html

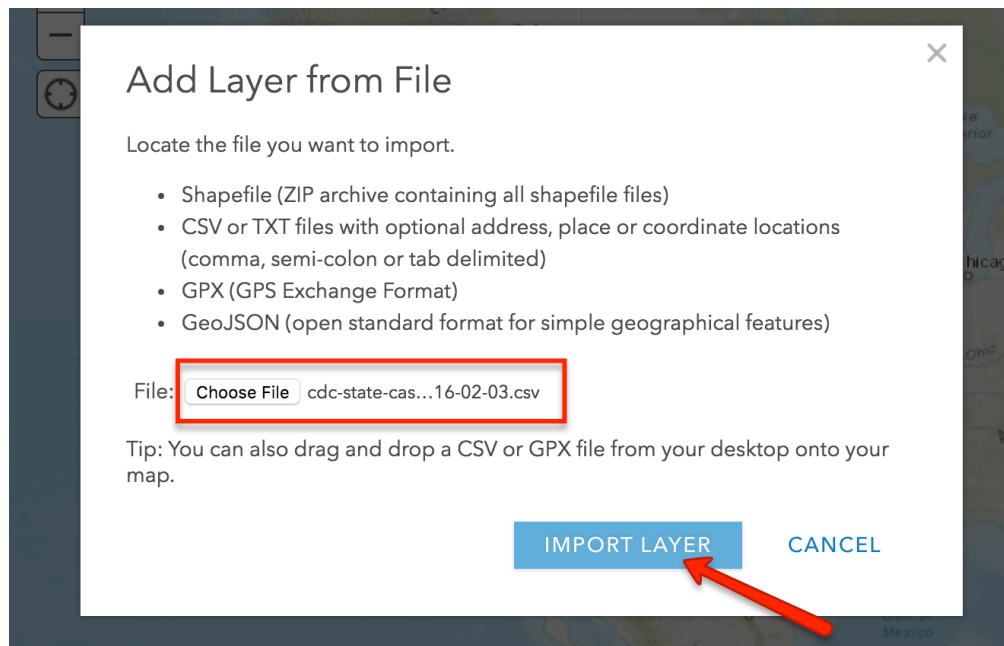## Make a web map using ArcGIS Online

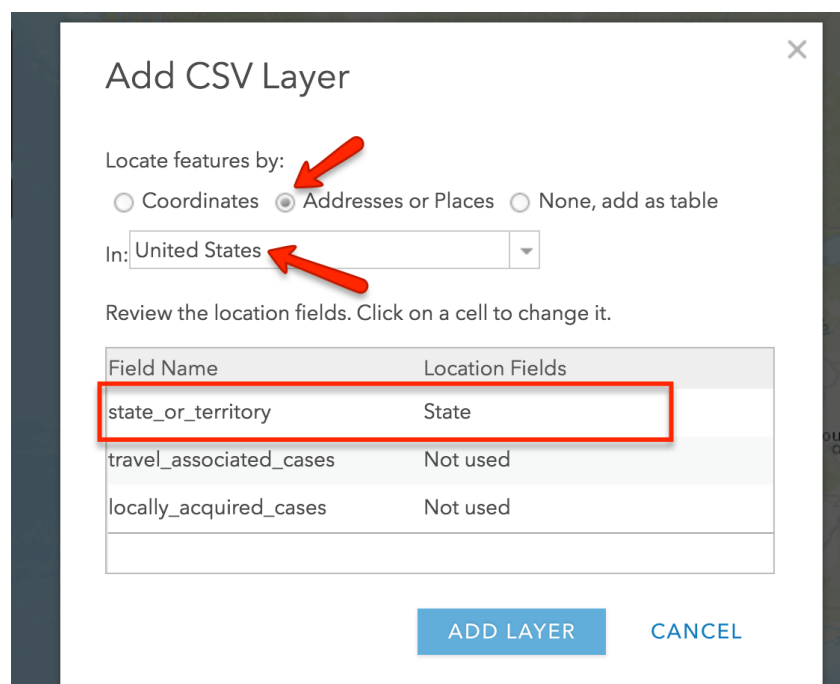- Once signed in on ArcGIS Online, go to **Map** (see image below)

- To add the data, select **Add > Add Layer from File**

- Next, **Choose the csv file** you are intended to map and click **IMPORT LAYER**

- The "Add CSV Layer" dialog should then popup, which allows us to select which field name in the table to be used as the location for map making.
    - Select Locate features by **Addresses or Places**
    - Make sure **Unites States** is selected from the country list, since we are mapping Zika cases in the U.S.
    - Set **state_or_territory** as the **State** Location Fields (see image below)
    - Finally, click the **ADD LAYER** button

- Your map should show up in the default style – proportional symbols!

  o You may use the Change Style panel on the left side to customize the **attribute** you want to show or use a different **drawing style.**

- Explore the different options and Click **DONE** when you are ready.

- You may add **more data layers** in the same way. However, do consider using **consistent styles** for comparing Zika cases overtime.

- Click **Save** to save your map.

- Next, click **Share** and check **Everyone (public)** so that others can view your map.

- Now, everyone can view the map you just created via the link. ☺

Optional: Create a web application

With ArcGIS Online, you may share your web map as it is or as a **web application** (i.e., web maps with more interactive functionalities). You may explore the web app option here because it will be more fun!

- Click Share and then **CREATE A WEB APP**.

- You may preview each template and select a template to start building your web application.

  - Note some of the templates may require additional licenses to function properly. Two possible options to explore here are: *Story Map Swipe & Compare Analysis.*