



PEPFAR

U.S. President's Emergency Plan for AIDS Relief



ICPI Tableau Training

June 21, 2018

Welcome to the ICPI Tableau Training!

- Wifi info
 - Hotspot2: MiFI7730L-A966 / Password: 0a2b0f77
- Join [Tableau Users Slack Channel](#)

Download & open Training materials

https://github.com/ICPI/tableau_training

- Tableau Training Dataset
- ICPI Training Handouts
- Demo workbook

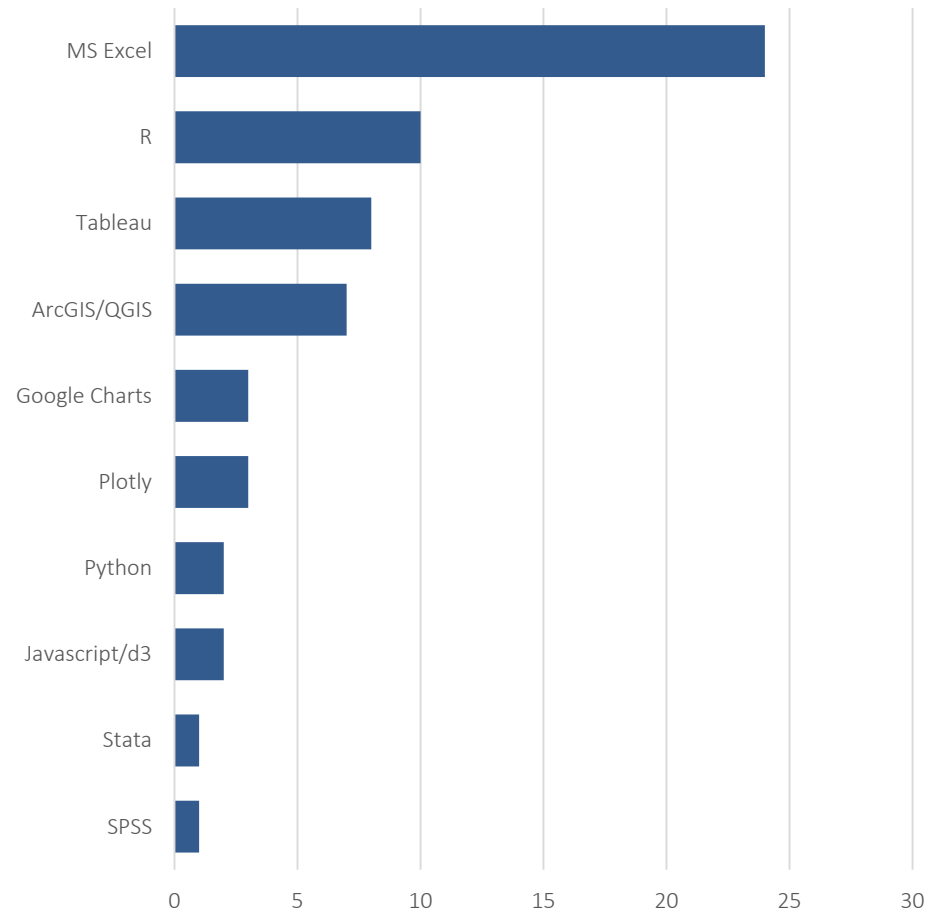
Introductions

- Name
- Agency
- Any previous Tableau trainings/experience

Pre-training Assessment

- Majority are:
 - Beginners
 - Use Excel to visualize data (some use R, Tableau, ArcGIS/QGIS, few use other software)
- Want to learn...
 - Restructure data for Tableau
 - Import and work with MER datasets
 - Create basic to advanced visualizations
 - GIS functions in Tableau
 - Capabilities/software solutions

What software do you use for visualizing data?
(creating charts, maps, etc.) Check all that apply.
(n=24)



Training Objectives

- Recognize when Tableau is an appropriate software to use
- To import and manipulate PEPFAR data in Tableau
- Develop visualizations of PEPFAR data in Tableau

Overview

- Overview of visualization software
- Hands-on Demo
 - Connecting, Organizing and Manipulating Data
 - Developing Tables and Visuals
 - Putting it All Together in a Dashboard
- Wrap-up
- Post-training evaluation

Overview of Visualization Software

Task	R/Shiny app	Tableau	Excel	ArcGIS/QGIS	Analytic Workspaces
Subset data					
Manage and join multiple data sources					
Dynamic visualizations					
Custom maps					
Tooltips with visualizations					
Sharing visuals					
Replication of visuals					

When should I use Tableau?

- **Polished visual, quickly**
- Merging multiple datasets
- Connecting to various datasources/databases
- Dynamic visualizations
- Exploratory review of data
- Large datasets

But...keep in mind:

- Audience access to open Tableau files (Tableau Reader and version)

Bottom line: depends on the task at hand and what you're comfortable with

Demo time!

https://github.com/ICPI/tableau_training

Tableau Training Dataset

ICPI Training Handouts

Demo workbook

Resources

- [GitHub Resources](#)
 - [Code](#) for reshaping MER Structured Datasets
 - [Tips](#) for Using MER Structured Datasets with Tableau
- Sample workbooks on pepfar.net
- Tableau users community group on [Slack](#)

Questions, Discussion, Community of Practice



Training Evaluation

<https://bit.ly/2teQTRo>