

2022 TAIR Online Workshops



To register, visit <https://texas-air.org/index.php/professional-development/upcoming-and-past-workshops/>

Cost: \$50 for each 1.5-hour workshop and \$75 for each 3-hour workshop

Workshops will be held online via Zoom

Wednesday, August 3, 2022 – 9am – 12pm

Spark Data Interest with Adobe Express™

This hands-on workshop will guide participants on how to create infographics with Adobe Express™ (formally Adobe Spark™). We will discuss how to use Express™, how to design infographics, selecting data to present, intended audience, accessibility compliance, and many other topics related to infographics and data sharing!

Preferred Requirement: Access to Adobe Express™. If your institution has an Adobe subscription, you may have access and not know!

Cost: \$75

Presenter: Laura Wichman – McLennan Community College

Track: Presentation Skills

Friday, August 12, 2022 – 10am – 11:30am.

Converting Adobe PDFs to a Fillable Form

This hands-on workshop will guide participants on how to take almost any Adobe PDF document and create a fillable and signature form.

Preferred Requirement: Access to Adobe Acrobat DC and a pdf document you want to convert to a form.

Cost: \$50

Presenter: Jerry Knutson – McLennan Community College

Track: Technical Strategies and Skills

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Friday, August 19, 2022 – 9am – 12pm.

How to Create a Dot-density Maps in ArcGIS - Student Distribution by Residence

Dot density maps is a type of thematic map that use dots on the map to show values of data. It's a very effective way to show density differences in the geographical distribution across the area. The training focuses on how to geocode student addresses and examine a spatial analysis which includes student residence within 10- or 15-mile radius of the campus.

Preferred Requirement: If attendees have ArcMap software package in their computer they can do this along with the presenter. If not, they can follow present step-by-step how to accomplish the tasks.

Cost: \$75

Presenter: Henock Gebrehiwot - University of Houston - Clear Lake

Track: Data Analysis Tools and Method

Friday, September 30, 2022 – 1pm – 2:30pm.

Data Storytelling: Incorporating Science into IR Data Communication

Institutional research (IR) offices are increasingly asked to develop reports to communicate insights or tell stories. The ability to effectively communicate data in an interesting or engaging way can improve information retention, increase enthusiasm, and build confidence in IR products. When visualizing data or developing reports, however, design elements (i.e. color, placement, titling, etc.) can seem overwhelming or even arbitrary. The goal of this workshop is to introduce participants to a body of existing scientific literature around data communication and visualization. These research-based concepts will then be used to develop a set of heuristic guidelines that can improve data storytelling and design of IR reports/dashboards. Examples of each of these concepts will be shown along with their application to common IR products such as factbooks, enrollment management, and course outcomes. Participants will be able to see the iterative development of these products at Alamo Colleges District and how design choices were intentionally made to maximize the impact of our students' stories through IR data.

Cost: \$50

Presenter: Paul Kailiponi – Alamo College

Track: Presentation Skills

Friday, October 28, 2022 – 1pm – 4pm.

Power BI for Rookies

This workshop is designed for individuals interested in learning Power BI. In this workshop, we will cover the following:

- Connecting, importing, and cleaning data
- An introduction to visuals
- Data table relationships
- Conditional formatting and conditional displays
- Publishing reports
- Refreshing data
- Creating a template to use on new reports.

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No experience necessary! If you are new to Power BI, this workshop will walk you through the steps of building and publishing an enrollment profile-style report.

Level: Beginner

Cost: \$75

Presenters: Amanda Kay Moske, Matthew Berosik, Katelyn Koiner, Andrew Rosener, Wendy Fisher - University Analytics & Planning Team at the University of North Dakota

Track: Data Analysis Tools and Methods

Friday, November 4, 2022 – 1pm – 4pm.

SOS! Securing, Optimizing and Sharing Power BI Reports

This workshop will cover the following topics:

- **Security:** securing underlying data and row level security
- **Optimization:** report optimization, query optimization, and relationships vs. merges
- **Sharing:** basic report sharing and sharing with row-level security

A working knowledge of Power BI or attending previous Power BI workshops is recommended.

Level: Intermediate

Cost: \$75

Presenters: Amanda Kay Moske, Matthew Berosik, Katelyn Koiner, Andrew Rosener, Wendy Fisher - University Analytics & Planning Team at the University of North Dakota

Track: Data Analysis Tools and Methods

Friday, November 18, 2022 – 1pm – 2:30pm.

The Survey Says! Using Power BI to Report Survey Data

Sharing the results of surveys typically involves static reports that include several tables and graphs. In this advanced workshop, you will learn to create interactive reports in Power BI using National Survey of Student Engagement (NSSE) data. We will guide you through this process from the necessary data sources to building an interactive report. This report will allow users to filter NSSE data on multiple demographics and filter responses based on another survey question or response.

We will provide Excel codebooks of the 2021 and 2022 data prior to the workshop. Please bring your most recent NSSE survey data, preferably in SPSS (.sav) format.

A working knowledge of Power BI or attending previous Power BI workshops is recommended.

Level: Advanced

Cost: \$50

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Presenters: Amanda Kay Moske, Matthew Berosik, Katelyn Koiner, Andrew Rosener, Wendy Fisher - University Analytics & Planning Team at the University of North Dakota
Track: Data Analysis Tools and Methods

Friday, November 18, 2022 – 3pm – 4:30pm.

D2: Dataflows & Datamarts in Power BI

In this workshop, we will cover data storage in the Power BI service using dataflows and datamarts. Topics will include their pros/cons, how they differ from each other, how to create and implement them, as well as best practices for creating dataflows and datamarts to facilitate efficient, effective, and reusable data sources.

A working knowledge of Power BI or attending previous Power BI workshops is recommended.

Level: Advanced

Cost: \$50

Presenters: Amanda Kay Moske, Matthew Berosik, Katelyn Koiner, Andrew Rosener, Wendy Fisher - University Analytics & Planning Team at the University of North Dakota
Track: Data Analysis Tools and Methods