

TAIR 2019 – Pre-Conference Workshops

Monday, February 25, 2019 9 AM – 4 PM (Full-Day)

W01: Exploring PowerBI by Microsoft: Intuitive Data Sharing and Drilling

Lindsay Patterson, Schreiner University & Jason Morales, Microsoft

Track: Collect-Analyze-Interpret-&-Report

You have likely heard the buzz about the intuitive interactive data tool: PowerBI by Microsoft. Like our IR office here at Schreiner University, many in higher education are gaining ground with the dynamic data visualization sharing it offers as a budget-friendly alternative to more excessive products with steep learning curves.

This is a hit-the-ground-running tool. We will explore PowerBI within a few hours that are aimed at leaving you with the knowledge needed to start sharing your own online interactive visualizations within a short time upon returning to your office.

If you are not certain if PowerBI is the right BI tool for your organization, you might consider beginning here with this unbiased recommendation tool: <https://www.encorebusiness.com/bi-recommendation-tool/>

Monday, February 25, 2019 9 AM – 12 PM (Half-Day)

W02: TAIR Newcomers Workshop

Faron Kincheloe, Baylor University

Track: Operations and Leadership

The TAIR Newcomer's Workshop is a half-day session focusing on resources that are available to institutional researchers and more specifically members of TAIR. The workshop will explore how IR offices and the roles within them are both similar and different across various types of institutions. This presentation will cover the benefits of TAIR membership including the Listserv, Summer Workshops, TAIR conference, and Certificate Program. Let this be the beginning of your networking experience with other IR professionals.

W03: Ready, Set, Cook! Cooking Our Way Through the Assessment Process

Scott Furtwengler, University of Houston-Downtown

Track: Plan and Evaluate

In this workshop participants will engage in the entire assessment process while learning to cook crawfish etouffee. Working collaboratively in small groups of 2-3, participants will identify student learning outcomes, engage in the learning activity, assess learning, analyze results, discuss aspects of sharing results, and discuss using results for improvement. Participants will have the opportunity to dine on their assignments and grade their work.

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W04: The Memo They Will Read

Sharon Bailey, University of Houston-Victoria

Track: Educate Information Producers-Users-&-Consumers

In Institutional Research, we have the data that should be the basis of our administrations' decisions, but sometimes it is hard to get our data into the hands of those who need it. In this session, we will focus on writing the perfect memo that administrators will want to read and will be able to act on. This will be a hands-on workshop. Participants will write several memos to different audiences, to convey specific pieces of typical IR data.

Monday, February 25, 2019 1 PM – 4 PM (Half-Day)

W05: Tools, Tips & Technology to Help Avoid Burnout Among IR/IE Professionals

Paula Jaeger, UT MD Anderson Cancer Center

Track: Operations and Leadership

IR/IE professionals know that demands increase, regulations change, deadlines abound, and more is expected, often with fewer staff. Burnout is not just the result of long hours or failing to find that perfect equilibrium of work-life balance; it is not the same as stress. It may appear as cynicism, lethargy, or in anxiety many but the result is that it makes work a very heavy burden that zaps creative energy. In extreme cases the institutions we serve lose a wealth of talent in the process. This workshop introduces technology, tips and even ideas from the field of cognitive neuroscience to help reduce potential burnout. Learn or relearn steps to alleviate the deleterious effects of burnout.

W06: You CAN Manage Your Projects!

Marian Chaney, Lone Star College System

Track: Operations and Leadership

If you are frustrated by too many initiatives, not enough organization and no idea how to manage the work, this session is for you! I have been using the Franklin-Covey method of Project Management for almost 20 years. It works and can be used for multiple purposes: strategic planning, new projects and getting stalled projects on track again.

W07: Demystifying Predictive Analysis

Savithra Eratne, San Antonio College

Track: Collect-Analyze-Interpret-&-Report

Predictive analytics has become a very popular technique in analyzing data at present, there has been a significant interest among educational institutes in applying the techniques to improve the student performance.

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Tuesday, February 26, 2019 8:30 AM – 11:30 AM (Half-Day)

W08: Modern Analytics in Education, Developing a Strong Tableau Foundation

Tableau

Track: Collect-Analyze-Interpret-&-Report

This session will begin with a walk through of the Modern Analytics workflow and the role that Institutional Research plays, including a discussion of successful applications of Tableau in IR and the impact this has on the public, executives, and other departments. We will then apply these ideas as we work with Tableau Desktop to build a foundation of best practices. You'll gain a thorough introduction to data analysis and visual design in Tableau, and learn how to build views and interactive dashboards. The session will conclude with a question and answer period to help you address your specific use case. For this session, attendees will need to bring their own laptops and have Tableau Desktop or a Trial installed on their computers.

W09: I've Got the Power: Using Power BI in Higher Education

Kent McShan & Jason Kot, Lone Star College

Track: Collect-Analyze-Interpret-&-Report

Join us as we demonstrate how Power BI can be utilized in Higher Education by going over the basics of Power BI, how Lone Star College utilizes Power BI, and work through "hands on" exercises utilizing Higher Ed data to develop Power BI visualizations.

W10: Excel for Beginners

Guyla Blaylock, Richland College

Track: Collect-Analyze-Interpret-&-Report

This beginner's level workshop will introduce new(er) Excel users to tips and tricks that will improve your efficiency in an IR/IE environment. Participants will learn how to analyze basic descriptive statistics, utilize common formulas such as concatenate and V-lookup, and create pivot tables and charts. The end result will be higher productivity, less frustration, and improved communication of data.

W11: How to use spss to build predictive model, from data exploration to models comparison

Brody Du & Sam Shi, UNT Dallas

Track: Collect-Analyze-Interpret-&-Report

Using statistics analysis to identify the hidden meanings and patterns becomes the tendency nowadays. So, in the workshop I would like to share my experience of how and when to use data analysis in institutional research. Selected modeling methodologies will be illustrated through real data. To better understand the whole analytic process, I will spend time from the very beginning to the end of the step. So the topic will cover from data manipulating, data cleaning, experiment designing, algorithm selecting, scoring, to result visualizing.