



Spring 2019 Conference Agenda

Being Data Informed:



The Role of the Institutional Research Office in Decision Support and Improving Institutions

Friday, April 26, 2019

8:00am-4:00pm

Lorain County Community College

Norton Culinary Arts Center and John A. Spitzer Conference Center

1005 N. Abbe Rd., Elyria, OH 44035



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**Ohio Association
for Institutional
Research and
Planning**

Time	Title	Presenter	Room
8:00-9:00am	Registration and Breakfast Welcome & Conference Opening	Dr. Jonathan Dryden, Provost, LCCC Joe Argiro, OAIRP President	
9:10-10:00am	<i>The Role of the IR office in Decision Support and Improving Institutions</i> Real-world examples of data in action at Ohio's Institutions of Higher Education TED-style presentations followed by panel discussion	4-Yr Public: Brigitte Norton-Odenthal, The University of Toledo 4-Yr Private: Mollie Miller, Union Institute & University 2-Yr Public Joe Argiro, COTC Erika Fenik, LCCC	
10:00-11:30am	Skills Workshops: <i>See below for workshop overviews</i> A) How to Create an Interactive Dashboard in Excel B) Application of Propensity Score Matching in Institutional Research	A) Anne Fulkerson, Owens CC B) Hongzhi Ma, Univ. of Toledo	A) B)
11:30am-12:00pm	Sector Conversations & Report-out	OAIRP Executive Committee & Membership	
Noon-1:00pm	Lunch and Business Meeting	Joe Argiro, OAIRP President Mollie Miller, OAIRP Treasurer	
1:15-2:00pm	Afternoon Session #1: Presentations	See Below	See Below
2:15-3:00pm	Afternoon Session #2: Presentations	See Below	See Below
3:15-4:00pm	Afternoon Session #3: Presentations	See Below	See Below



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OAIRP Spring 2019

Skills Workshops:

A) How to Create an Interactive Dashboard in Excel – Anne Fulkerson, Ph.D., Owens Community College

a. TBD

Interactive dashboards are powerful analytical tools. They can be used to track key performance indicators, rapidly explore large data sets, empower employees to answer their own questions, and reduce ad hoc institutional research data requests. This interactive workshop will help participants learn how to create effective dashboards in Excel. Examples of dashboards will be shared and advantages and limitations will be discussed. A working knowledge of Excel, including pivot tables, charts, formulas, cell references, and formatting is helpful.

Participants will:

- Identify potential uses of Excel dashboards
- Understand advantages and limitations
- Utilize multiple features of Excel to create a dashboard, including pivot tables, charts, formulas, cell references, and formatting

Technology needs:

- Personal computer
- Excel 2013 or higher
- Participants are encouraged to bring a flash drive to save their work.

B) Application of Propensity Score Matching in Institutional Research – Hongzhi Ma, Ph.D., Univ. of Toledo

a. TBD

Propensity score matching (PSM) will be introduced through a study in University of Toledo in the first part of workshop. PSM is a statistical technique. Researchers usually use PSM to match the treatment case with control case according their propensity score. Thereby the causal argument in study will be strengthened. During the second part, the user will be shown how to conduct Propensity Score Matching in R step by step.

Participants will:

- Conduct propensity score matching analysis in R

Technology needs:

- Personal computer
- Participants will be shown how to download R in the session



Afternoon Breakout Sessions

Time	Title	Presenter	Room
1:15 – 2:00p	Correlation between Formative Feedback & Instructor Ratings	Ute S. Lahaie, Ph.D., Dean of Institutional Effectiveness & Assessment Walsh University	
	Tackling Data Integrity with a Data Integrity Team	Thomas Jay Benjamin, Senior Institutional Data Analyst Lorain County Community College Including others from LCCC's DI Team	
	Employer and Graduate Surveys: Successes (and challenges) with COTC'	Holli Kendall and Joe Argiro, Resource Planning Analysts Central Ohio Technical College	
Time	Title	Presenter	Room
2:15 – 3:00p	LCCC's High School Dual Enrollment Dashboard	Nadia Leary, Coordinator of Recruitment, MyUniversity, and CCP Thomas Jay Benjamin, Senior Institutional Data Analyst Lorain County Community College	
	Support for Taking Innovations to Scale	Erika Fenik, Senior Institutional Data Analyst Lorain County Community College	
	Tracking & Analysis of Adult Learners Non-Cognitive Early Alert Risk Factors	Mollie Miller, Director of Institutional Research & IRB Coordinator Office of Institutional Effectiveness Union Institute & University	
Time	Title	Presenter	Room
3:15- 4:00p	Project Management and Institutional Research	Jay Johnson, Associate Director of Institutional Research & Planning The Ohio State University	
	So You're Thinking about a Ph.D?	Panel Discussion: Mollie Miller, Union Institute & University Linnea Stafford, Kent State University Marisa Vernon White, Lorain County Community College Moderator: Thomas Jay Benjamin, Lorain County Community College	



Breakout Session Descriptions

1:15 - 2:00 pm

ROOM TBD

Correlation between Formative Feedback & Instructor Ratings

Ute S. Lahaie, Ph.D., Dean of Institutional Effectiveness & Assessment, Walsh University

As part of the institution's accreditation process, Walsh University conducted a Quality Initiative Project (QIP) on Student Success Through Formative Feedback. The QIP, which is a required component of the institution's accreditation process, showed positive results in the academic achievement for high risk students. In addition, the QIP study showed a correlation between instructor use of formative assessment techniques and high instructor ratings in end-of-course surveys for selected courses. The Office of Institutional Effectiveness wanted to see if the same results could be found in the surveys of all courses by conducting a study in which QIP custom questions were added to the entire survey instrument prior to the rollout of the end-of-course surveys. The presenter will share the result of this study. Participants in this session will learn how the successes of the QIP results were shared with the entire university through workshops on formative feedback and how the results were integrated into the institution's accreditation report.

ROOM TBD

Tackling Data Integrity with a Data Integrity Team

Thomas Jay Benjamin, Senior Institutional Data Analyst, Lorain County Community College, Including others from LCCC's DI Team

In this session members of LCCC's Data Integrity Team will share how they began to tackle data integrity issues over the past two years in a collaborative way. The panel will share their experiences and provide examples of their work in identifying data elements with integrity issues, designing systems to ensure accurate and complete data, developing data integrity standards, and making adjustments to prepare for changes in reporting requirements.

ROOM TBD

Challenges (and some Successes) of Administering Employer and Graduate Surveys

Holli Kendall and Joe Argiro, Resource Planning Analysts, Central Ohio Technical College

The COTC Office of Institutional Research and Effectiveness recently assumed the responsibility of administering the college's employer and graduate satisfaction surveys. Though we are still developing these survey instruments, we want to share what we have learned and discuss the issues that still need to be addressed. These changes include moving from paper to an electronic platform and the incorporation of student-learning-outcomes in the evaluation.



Breakout Session Descriptions

2:15 - 3:00 pm

ROOM TBD

LCCC's High School Dual Enrollment Dashboard

Nadia Leary, Coordinator of Recruitment, MyUniversity, and CCP & Thomas Jay Benjamin, Senior Institutional Data Analyst
Lorain County Community College

Over the last year, LCCC's Institutional Research and School & Community Partnerships teams developed an interactive dashboard to share participation and outcomes data about LCCC's College Credit Plus and Early College programs. We will share how the dashboard is aligned with dual enrollment outcomes suggested by the Community College Research Center (CCRC) and how it has been useful in working with school counselors, principals, and superintendents. Time permitting, we will conclude with a broader discussion about measuring outcomes of College Credit Plus and other high school dual enrollment programs.

ROOM TBD

Support for taking Innovations to Scale

Erika Fenik, Senior Institutional Data Analyst, Lorain County Community College

Innovations often start small but if they are promising how can Institutional Research support them moving to scale? In this session LCCC will share how a small project using behavior-based nudging via text to support students in STEM courses was scaled to support students campus wide. In addition, attendees will learn about the project, its evolution, recent findings, and about some of the hidden information the institution learned from.

ROOM TBD

Tracking & Analysis of Adult Learners Non-Cognitive Early Alert Risk Factors

Mollie Miller, Director of Institutional Research & IRB Coordinator, Office of Institutional Effectiveness, Union Institute & University

Attend this session and learn all about building and tracking non-cognitive engagement reason codes for Adult Students. At our institution we had no idea why our adult students were not persisting from semester to semester or if they had any intention of returning or withdrawing. We relied heavily on our academic advisors to manually track data in our SIS and it was a nightmare! Therefore, the Office of Institutional Effectiveness took up the baton and developed non-cognitive reason codes within our existing SIS system. We also built several reports and tracking mechanism to have the reason codes updated and reviewed every month. This has allowed us to facilitate our persistence tracking in a positive manner as well as enhanced customer service skills through engagement of our on-line adult students. All of these items allowed us to identify additional risk factors not previously considered and make measurable changes to affect retention and persistence rates (as well as graduation/successful outcomes)! All while not spending any additional money for software or hiring new employees.



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Breakout Session Descriptions

3:15 - 4:00 pm

ROOM TBD

Project Management and Institutional Research

Jay Johnson, Associate Director of Institutional Research and Planning, The Ohio State University

Institutional researchers are involved in or asked to lead large or small projects. This session will focus on some fundamental project management processes and knowledge areas that will help if you are a project lead or on the team. The concepts are part of the Project Management Institute's Project Management Body of Knowledge (PMBOK) and are not specific to any particular industry.

ROOM TBD

So You're Thinking about a Ph.D?

Panel Discussion: Mollie Miller, Union Institute & University; Linnea Stafford, Kent State University; Marisa Vernon White, Lorain County Community College; Moderator: Thomas Jay Benjamin, Lorain County Community College

According to the National Survey of Institutional Research Offices, 43% of IR directors have a doctorate (AIR, 2015). Are you thinking of pursuing one? In this panel discussion you will hear about the experiences of three higher education and institutional research professionals with doctoral programs. Panelists will discuss their successes and challenges, how they've applied their learning and research to their work, things to consider when looking into programs, and what they wish they had known.