

# BUILD-IT

## Building University-Industry Learning and Development through Innovation and Technology Alliance (BUILD-IT)

### *Data Aggregation, Display & Evaluation Workshop*

*Tuesday & Thursday, March 16 & 18, 2021*

*Venue: Online via Zoom (<https://asu.zoom.us/j/85175016683>)*

*Instructors: Dr. Scott Danielson -- Arizona State University, Mr. Thai Tran, Ms. Ha Mai*

*Attendees: Interested IUH program leaders, lecturers and QA professional staff*

**Expected Outcomes:** Participants will review fundamental tenants of assessing student learning as related to program level learning outcomes and how that information is used to improve a course or program. Building on this knowledge, participants will explore various assessment tools for determining student learning, based on the type of learning outcome, and their resulting assessment data. Techniques used to aggregate data from these different types of assessment tools will be practiced—providing an overall view of student attainment of the student outcome. Development of software tools to aggregate assessment data streams and display them in easy to understand formats—which make evaluation much more straightforward—will be explored. An electronic structure for assessment documentation (rubrics, assessment results and examples of student work) will be discussed and demonstrated. Participants will be given the data aggregation software tool so they can customize it for their use.

**KPI:** Directly supports Core Activity 2 & Core 2 KPI's 3, 6, 10, 11

### **Part 1 – March 16<sup>th</sup>, 2021**

**7:45 – 8:00 am**                      **Zoom Registration and Entry into Zoom Room**

**8:00 – 8:10 am**                      **Welcome to Workshop and Its Objectives**

**8:10 – 9:20 am**                      **Assessment Data and Why It Is Needed**

Participants will review and apply knowledge related to the various types of assessment data related to student learning, why those data should be aggregated and how those data are used in the process of improving student attainment of program student outcomes.

**9:20 – 9:35 am**                      **Biological & Tea Break (on your own)**



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**9:35 – 10:45 am**      **Methodology of Assessment Data Aggregation**  
Participants will practice aggregating different types of assessment data in ways that avoid major statistical flaws, e.g., averaging of averaging.

**10:45 am – 11:00 am**      **Quiz for Understanding and Participant Questions**

## Part 2 – March 18<sup>th</sup>, 2021

**7:45 – 8:00 am**      **Zoom Registration and Entry into Zoom Room**

**8:00 – 8:10 am**      **Quick Review of Part I's Critical Points**

**8:10 – 9:25 am**      **Automation of Assessment Data and its Display**

Participants will engage in guided development of software tools to aggregate and display assessment data in ways that enable the evaluation of those data for purposes of making program improvement decisions.

**9:25 am – 9:45 am**      **Biological & Tea Break (on your own)**

**9:45 am – 10:30 am**      **Record Keeping and Storage of Required Documents**

The assessment process and its results (data, data aggregation and display leading to evaluation and the results of those evaluation processes) must be documented. An approach will be modeled for the participants.

**10:30 am – 11:00 am**      **Participant Questions and Workshop Wrap-up**

**Thank you**