

# Real World Data, Visualizations and Engaging Assignments Using BRIDGES Objectives

Kalpathi Subramanian, Erik Saule  
krs@charlotte.edu, erik.saule@gmail.com

The University of North Carolina at Charlotte

BRIDGES Workshop, June 15-17, 2026

# Introductions

- Who we are
- Who you are
  - What single issue do you face in teaching early CS courses?
  - What motivated you to learn about BRIDGES?

# Goals and Objectives

## Course Content

- How to foster students interest?
- How to make your course appear relevant?
- How to make your course fun?

## By the end of the workshop

- You will have an understanding of BRIDGES.
- You will be ready to deploy 3-4 BRIDGES based activities in your course next semester.

# Organization

## Day 1:

- Introductions
- Objectives
- Student Engagement, Course Design, Alignment
- What is BRIDGES? BRIDGES OpenSwim
- What is possible in BRIDGES

## Day 2:

- Planning your course assignments
- Report assignment choices to the group
- Design/Implement the **first choice** Assignment - Make it 'Class Ready'
- Design/Implement the second Assignment - Make it 'Class Ready'

## Day 3:

- Design/Implement the third Assignment - Make it 'Class Ready'
- Reflection, Feedback Survey
- Closing Discussions