

# Middle Grades Statistics

## Unpacking the Standards and Deepening Engagement

Dr. Andrew Hoffman

**STEM Teach IV Huntington University Summer 2020**

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**Facilitator:** Dr. Andrew Hoffman, Phone: (260) 359-4208, Email: ajhoffman@huntington.edu

**Date and Time:** June 15th through June 18th, 9:00 AM to 12:00 PM each day

**Location:** Online

**Required Materials:** It is advised you have your own laptop.

### **Brief Description:**

Participants will examine vertical articulation of data analysis standards in grades six through eight. They will dive in to the mathematical concepts therein and consider ways to teach these standards in engaging ways. Integration of free-to-use technology will be emphasized and participants are encouraged to bring their laptops.

### **Tentative Workshop Outline:**

Each of the first three days will dive into one of the middle grade's set of statistics, probability and data analysis standards. There will be time to clarify the standards, participate in mock-lessons that address the standards, and experience ways that technology can be integrated into teaching the standards. All software will be freely available to participants at the workshop and to participants' future students.

The fourth and final day of the workshop will look beyond the middle grades standards to the high school standards so that middle grades teachers can anticipate what their students will be learning next. Furthermore, there will be time to discuss the role of the Indiana Process Standards.

### **About the Instructor:**

Dr. Andrew Hoffman is a Mathematics Professor at Huntington University where he teaches a variety of mathematics courses including calculus, statistics, and courses for future teachers. Before coming to Huntington, he was at Purdue University, where he earned his PhD in Mathematics Education. In addition to preparing future teachers at Purdue and Huntington, he worked with teachers in Frankfort, IN over four summers to invigorate their algebra teaching. His passion is deepening teachers' understanding of mathematics.