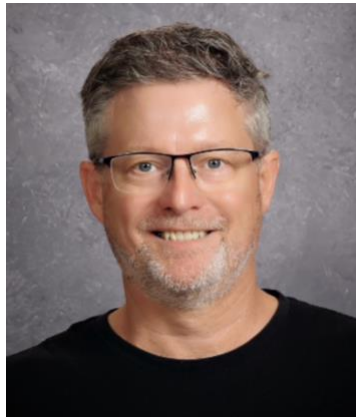




AP Statistics



Dave Ferris has taught mathematics at Noblesville High School (Indiana) for 42 years, AP Statistics for 24 years, and scored the AP Statistics exam for ten years. He currently teaches AP Statistics and Precalculus. In 2017, he was Noblesville High School's Teacher of the Year as well as a National Winner of the Presidential Award for Excellence in Mathematics and Science Teaching. He has led his district's AP Math Vertical Team and served as math department chair. He has worked as an AP Statistics consultant for NMSI, and has led College Board AP Statistics workshops for 15 years. Dave thoroughly enjoys exploiting the unique dynamics of AP summer institutes and will ensure participants are thoroughly engaged and inspired. Dave earned his BS in mathematics from Taylor University in 1983 and his MA in mathematics from Ball State University in 1989. After school hours, he enjoys camping, hunting, cooking, and playing keyboard and bass guitar at his church.

Course Description

This participant-driven workshop will focus on the unique issues facing AP Statistics teachers. We will overview all major topics of the course but will spend focused time on the most difficult statistical concepts. Time will also be spent on engaging activities, invigorating discussions, training in good communication, and dissection of key AP Statistics Exam problems and rubrics. We will also investigate important aspects of the Course and Exam Description (CED) and AP Classroom, including demonstrations of Personal Progress Checks, teacher-created quizzes, and Daily Videos. Participants will experience effective uses of statistical technology such as CODAP, web-based applets, graphing calculators, and computer-based randomization tests. Best teaching practices will be demonstrated and discussed using a variety of presentation tools and methods. This week will be a unique blend of fun, challenge, discovery, growth, and camaraderie!

Homework

Participants should bring technology such as a graphing calculator, laptop, tablet, iPad, etc. Teachers with no AP Statistics experience will find it valuable to read through their textbook before the institute and note areas of trepidation. Veteran teachers are encouraged to bring favorite lessons, activities, and teaching tips to share. All are encouraged to bring and contribute your unique perspectives, personality, and professional experience to the institute.