

1116-H5-1188      **K. Scott Alberts\*** (salberts@truman.edu), Department of Statistics, 100 E. Normal St., Kirksville, MO 63501. *Data-free Visualizations: A Project in the First Week of Introductory Statistics?* Preliminary report.

Traditional offerings of introductory statistics tend to start fairly slowly and then ending with a mad dash to finish on time. By starting a visualization project on the second day of class, students have a chance to be more engaged from the start, and to see the power of what they will be learning later. This project allow students to invent results around a fun, real-world topic, such as movies, food, or cars, which they use to create a variety of graphs and charts to reinforce their (made-up) thesis. As a secondary benefit, this project also gives them a chance to learn software graphing, and serves as a way to flip the classroom for the early chapter on charts and graphs. Students can also find real world examples of journalists, politicians, and others, who use data-free visualizations to demonstrate their points. Two later projects can scaffold concepts from this early project. Project materials and grading rubric will be provided to attendees. (Received September 17, 2015)