

1145-VI-1813 **Donna A. Dietz*** (dietz@american.edu). *Smartphone GPS use in an Introductory Statistics Course.*

In many universities today, instructors may presume that all their students have access to a smart-phone and (therefore) have access to a free GPS device! Students enjoy collecting their own data and working on it. This presentation reflects on some basic points of preparation for such a lab, including smart-phone software advice, information on free web tools for converting the data (from GPS data into a proper format for entry into statistical software environments), classroom exercises, and reactions given by students who have done this. As an added bonus, each student ends up with a unique data set, ensuring that students help each other properly without sharing files. (Received September 24, 2018)