Johanna N.Y. Franklin* (johanna.n.franklin@hofstra.edu), Department of Mathematics, Room 306, Roosevelt Hall, Hofstra University, Hempstead, NY 11549-0114. Adding data analysis to a mathematical statistics course.

When I began teaching our upper division probability/statistics sequence four years ago, I added two new components: an introduction to R and a final project requiring my students to find questions that interest them and design studies to answer these questions using authentic data sets. I will discuss the way in which I integrate these components into my course and scaffold my students' assignments to help them develop the necessary fluency in R to carry out their projects over the course of the term. (Received September 09, 2019)