My introductory statistics course is both an introduction to statistics and data science. The new approach grew out of several factors.

- NOT mentioning Data Science in introductory statistics is dishonest in a digital world.
- Explaining to students how to use a t-table to find the p-value in a two tailed hypothesis test about the mean is like describing how to get into an advanced yoga pose.
- TI technology is older than our students.
- Simulation Based Inference doesn’t help students do the analysis they need to do in their program of study.

Students need to know how to:

- deal with real data in all its beauty and complexity.
- do extensive exploratory data analysis, including contemporary data visualization.
- communicate the results of their analysis to a non-technical audience.

I will share course materials that demonstrate how to cover all this material in a single semester, show examples of student work and share student comments about their experience in the course. (Received August 31, 2018)