One of the required courses in the Ripon College curriculum emphasizes integrating tools and perspectives from multiple disciplines. One incarnation of this course, co-taught by three faculty members, brings elements of history, design, and data science to bear on environmental controversies. The data science component focuses on using graphical representations of quantitative data to tell a compelling story. The design component emphasizes the use of formal design elements to convey a particular perspective. The history component helps students to develop a nuanced understanding of various contemporary environmental controversies by analyzing and articulating their historical context.

This talk will describe how the data science component interacts with and is complemented by the other components of the course. I will also describe some of the challenges associated with teaching a general audience of students to produce complex graphical representations of data (such as animations and shaded maps). (Received September 17, 2019)