

**Endert was an Invited Speaker at the 2018 Data Literacy for a STEAM Curriculum Workshop**  
*Arizona State University, June 21-22*



Increasing data literacy is essential for students to succeed in today's data-driven world. Thus, it is important for faculty to share experiences, resources, and knowledge about state-of-the-art data science and visual analytics technologies with each other to craft more effective course curricula.

In response, Arizona State University hosted a 2-day workshop for faculty from Minority Serving Institutions to learn about data science and visual analytic tools, sponsored by the DHS CAOE Center at ASU. Further, the group discussed how to integrate learning objectives focused on data literacy into current courses by sharing assignments, datasets, lecture notes, and other material.





Participants learned about Minitab, Tableau, Voyager, and InterAxis. Speakers included Alex Endert, Daniel McCarville, Lisa Custer, and Ross Maciejewski. Specific techniques that were covered included basic descriptive statistics that can be used to provide high-level summaries of data. Alex Endert spoke about using visual analytics to help promote visual data exploration, and how recent advances in “visual analytics by demonstration” techniques (funded by NSF IIS-1750474) may help data science novices use complex data analytic models. Daniel McCarville spoke about creating online curricula and courses, and Ross Maciejewski gave an overview of the mission and research of the center as a whole.