College GAISE Recommendations for Statistics and Data Science

1. Teach statistics and data science as iterative processes of gleaning insights from data to inform evidence-based decisions.
2. Emphasize effective written and oral communication of results from data, with attention to the scope and limitations of conclusions.
3. Focus on conceptual understanding rather than algebraic manipulation and formulas.
4. Integrate real data with a context and purpose throughout the course. Select data that are meaningful and engaging to the students.
5. Encourage multivariable thinking.
6. Incorporate software/apps to explore concepts and work with data.
7. Emphasize responsible and ethical conduct in the collection and use of data and in their analysis.
8. Employ evidence-based pedagogies that actively engage students in the learning process.
9. Use a variety of formative and summative assessments to improve teaching and learning.
10. Implement a course design that uses inclusive strategies to foster a sense of belonging.

Link to Recommendations

with additional resources:

<https://amstat.quarto.pub/college-gaise/>

(This is a temporary site.)

Do you have assessment items or activities or examples or additional resources that might be helpful to College GAISE readers?

Let us know here:

 <https://forms.gle/keg4jEh5fm86wBJ46>