

Lab 3

Tableau

ACCENT for Effective Graphical Displays

- **Apprehension:** Can you perceive the relationship among the variables?
- **Clarity:** Can you visually distinguish all of the elements of the graph?
- **Consistency:** In a series of graphs, are the meanings of elements, shapes and symbols the same?
- **Efficiency:** Do you portray a complex relationship in the simplest way possible?
- **Necessity:** Do you need the graph, or will another format (text, table) be more effective?
- **Truthfulness:** Are the elements accurately positioned and scaled?

Lab exercise

- You are a visualisation designer who has been hired by the Museum of Modern Art in New York. The museum manager has asked you to do an inventory of the existing art pieces, to better understand the collection - when pieces were purchased and what departments have the most art. Use Tableau to answer the following questions.

- Download the dataset

Museum of Modern Art Collection: Artworks.csv on Brightspace

or

<https://github.com/MuseumofModernArt/collection/blob/master/Artworks.csv>

Answer the following questions (2%)

- Look at art acquisition over time
 - What years did the museum acquire the most art?
 - Can you identify why there was such an increase in art pieces acquired during these years?
- Look at the departments
 - What department has the most artwork?
 - What is the split between catalogued art works and non-catalogued?
 - In what year did the museum purchase the highest number of art pieces for the film department?