**Data Visualization & Communication**

### **1. Telling Stories with Data – A Systematic Review**

**Citation:** Schröder, K., et al. (2023). *Telling stories with data – A systematic review*. arXiv.  
 **Access Online:**<https://arxiv.org/abs/2312.01164> **Framing Note:** This comprehensive review examines the role of storytelling in data visualization, exploring frameworks, narrative structures, and their effectiveness in enhancing comprehension.  
 **Suggested Focus:** Sections on narrative structures and outcome measurements.  
 **Reflection Questions:**

* How does incorporating storytelling elements impact the effectiveness of data visualizations?
* In what ways can you integrate storytelling techniques into your data projects?

### **2. Cognitive Load in Interpreting Data Visualizations**

**Citation:** ResearchGate. (2023). *The Role of Cognitive Load and Individual Differences When Interpreting Human-Resource Data Visualizations*.  
 **Access Online:**<https://www.researchgate.net/publication/360139679_The_Role_of_Cognitive_Load_and_Individual_Differences_When_Interpreting_Human-Resource_Data_Visualizations> **Framing Note:** This study investigates how cognitive load and individual differences affect the interpretation of data visualizations, emphasizing the importance of design simplicity.  
 **Suggested Focus:** Introduction and discussion sections.  
 **Reflection Questions:**

* What design elements can increase cognitive load in data visualizations?
* How can you assist students in creating visualizations that are easily interpretable by diverse audiences?

### **3. Color Accessibility and Inclusivity**

**Citation:** PLOS ONE. (2023). *Color Quest: An Interactive Tool for Exploring Color Palettes and Enhancing Inclusivity in Data Visualization*.  
 **Access Online:**<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0290923> **Framing Note:** This article introduces “Color Quest,” a tool designed to help users select color palettes that are accessible to individuals with color vision deficiencies, promoting inclusive data visualization practices.  
 **Suggested Focus:** Overview of the tool and its applications.  
 **Reflection Questions:**

* Why is color choice critical in creating accessible data visualizations?
* How can tools like Color Quest be integrated into your teaching to promote inclusivity?

### **4. Misleading Graphs and the Role of Context**

**Citation:** PLOS ONE. (2022). *Misleading Graphs in Context: Less Misleading Than Expected*.  
 **Access Online:**<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0265823> **Framing Note:** This study explores how context influences the interpretation of potentially misleading graphs, highlighting the importance of transparency and context in data presentation.  
 **Suggested Focus:** Findings on the impact of context on graph interpretation.  
 **Reflection Questions:**

* What factors contribute to a graph being perceived as misleading?
* How can you teach students to critically evaluate the context of data visualizations?