



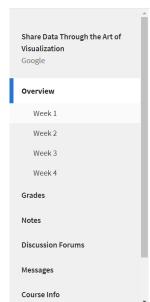


What do you want to learn?









Week 1

Share Data Through the Art of Visualization

Week 1

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Visualizing data



Google Career Certificates

Data visualization is the graphical representation of data. In this part of the course, you'll be introduced to key concepts, including accessibility, design thinking, and other factors that play a role in visualizing the data in your analysis.

Learning Objectives

- · Explain the key concepts involved in design thinking as they relate to data visualization
- . Describe the use of data visualizations to talk about data and the results of data analysis
- Discuss accessibility issues associated with data visualization
- Explain the importance of data visualization to data analysts
- · Describe the key concepts involved in data visualization



Communicating your data insights

▶ Video: Introduction to communicating your data insights 3 min

Resume

- Reading: Course syllabus 10 min
- Reading: Learning Log: Reflect on data visualization 20 min
- ▶ Video: Kevin: The power's in the data viz 2 min
- Discussion Prompt: Meet and greet 10 min
- Refresher: Your data analytics certificate roadmap 15 min

Understand data visualization

- ▶ Video: Why data visualization matters 6 min
- Reading: Effective data visualizations 10 min
- ▶ Video: Connecting images with data 6 min
- Reading: The beauty of visualizing 10 min
- Video: A recipe for a powerful visualization 5 min
- Reading: Correlation and causation 10 min
- ▶ Video: Dynamic visualizations 3 min
- Reading: The wonderful world of visualizations 10 min
- Reading: Data grows on decision trees 10 min
- Practice Quiz: Self-Reflection: Choosing your visualization 1 question
- Practice Quiz: Test your knowledge on data visualizations 3 questions

Design data visualizations	
•	Video: Elements of art 4 min
(II)	Reading: Principles of design 10 min
•	Video: Data visualization impact 5 min
<u></u>	Reading: Data is beautiful 10 min
lacksquare	Video: Design thinking and visualizations 6 min
<u></u>	Reading: Design thinking for visualization improvement 10 min
P	Discussion Prompt: Identify data visualizations in your life 10 mln
	Practice Quiz: Test your knowledge on designing data visualizations 4 questions
Explore visualization considerations	
•	Video: Headlines, subtitles, and labels 2 min
<u></u>	Reading: Pro tips for highlighting key information 10 min
lacksquare	Video: Accessible visualizations 4 min
•	Video: Andrew: Making data accessible 2 min
(11)	Reading: Designing a chart in 60 minutes 10 min
	Practice Quiz: Hands-On Activity: Making your own visualization 2 questions
	Practice Quiz: Test your knowledge on exploring data visualizations 4 questions
Wee	ekly challenge 1
(II)	Reading: Glossary: Terms and definitions 5 min
(II)	Quiz: Weekly challenge 1 8 questions Due Jul 12, 1:59 AM CDT