



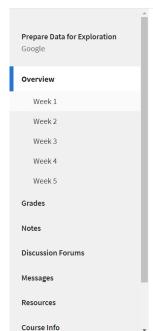


What do you want to learn?









## Week 1

Prepare Data for Exploration

#### Week 1

Discuss the topic here.

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#### Data types and structures



Google Career Certificates

We all generate lots of data in our daily lives. In this part of the course, you'll check out how we generate data and how analysts decide which data to collect for analysis. You'll also learn about structured and unstructured data, data types, and data formats as you start thinking about how to prepare your data for exploration.

**∖** Less

### **Learning Objectives**

- Explain how data is generated as a part of our daily activities with reference to the types of data generated
- · Explain factors that should be considered when making decisions about data collection
- Explain the difference between structured and unstructured data
- Discuss the difference between data and data types
- Explain the relationship between data types, fields, and values
- Discuss wide and long data formats with references to organization and purpose

Practice Quiz: Test your knowledge on collecting data 3 questions

Differentiate between data formats and structures

▶ Video: Discover data formats 5 min



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(11)	Reading: Data formats in practice 10 min
	Practice Quiz: Self-Reflection: Unstructured data 2 questions
lacksquare	Video: Understanding structured data 1 min
(11)	Reading: The structure of data 10 min
(11)	Reading: Data modeling levels and techniques 10 min
	Practice Quiz: Test your knowledge on data formats and structures 4 questions
Explore data types, fields, and values	
•	<b>Video:</b> Know the type of data you're working with 4 min
(II)	Reading: Understanding Boolean logic 10 min
•	Video: Data table components 2 min
	Practice Quiz: Hands-On Activity: Applying a formula 2 questions
•	Video: Meet wide and long data 3 min
(11)	Reading: Transforming data 10 min
	Practice Quiz: Hands-on Activity: Introduction to Kaggle 2 questions
	Practice Quiz: Test your knowledge on data types, fields, and values 3 questions
*Weekly challenge 1*	
(11)	Reading: Glossary: Terms and definitions 5 min
	Quiz: *Weekly challenge 1* 8 questions Due Jul 12, 1:59 AM CDT