

Analyze Data to Answer Questions

Google

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Analyze Data to Answer Questions

Week 3

Discuss the topic here.
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Aggregating data for analysis



Google Career Certificates

As part of your analysis, you'll often have to combine data in order to gain insights and complete business objectives. In this part of the course, you'll explore the functions, procedures, and syntax involved in combining, or aggregating, data. You'll learn how to do this from multiple cells in spreadsheets and from multiple database tables using SQL queries.

Less

Learning Objectives

- Demonstrate an understanding of functions and procedures that may be used to combine data from multiple cells in a spreadsheets
- Demonstrate an understanding of functions and syntax to create SQL queries for combining data from multiple database tables
- Use VLOOKUP to query data, trim data, convert text data to numeric data, and create a summary table from a queried information

Less

VLOOKUP for data aggregation

Video: Aggregate data for analysis 3 min

Resume

Video: Preparing for VLOOKUP 4 min

Video: Identifying common VLOOKUP errors 5 min

Reading: VLOOKUP core concepts 10 min

Practice Quiz: Hands-On Activity: Using VLOOKUP 2 questions

Practice Quiz: Test your knowledge on VLOOKUP 5 questions

Use JOINS to aggregate data in SQL

Video: Understanding JOINS 7 min

Reading: Secret identities: The importance of aliases 10 min

Reading: Using JOINS effectively 10 min

Practice Quiz: Hands-On Activity: Queries for JOINS 2 questions

Reading: Optional: Upload the warehouse dataset to BigQuery 10 min


Video: COUNT and COUNT DISTINCT 5 min


Practice Quiz: Test your knowledge on using JOINS to aggregate data 3 questions


Work with subqueries

Video: Queries within queries 6 min

Video: Using subqueries to aggregate data 7 min

 **Video:** Using subqueries to aggregate data 7 min

 **Reading:** SQL functions and subqueries: A functional friendship 10 min

 **Video:** Justin: Where data analysis takes you 2 min

 **Practice Quiz:** Test your knowledge on working with subqueries 3 questions

Weekly challenge 3

 **Reading:** Glossary: Terms and definitions 5 min

 **Quiz:** Weekly challenge 3 8 questions Due Jul 26, 1:59 AM CDT

