

Process Data from Dirty to Clean

Google

Overview

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Week 3

Process Data from Dirty to Clean

Week 3

Discuss the topic here.

97 threads · Last post 2 hours ago

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Cleaning data with SQL



Google Career Certificates

Knowing a variety of ways to clean data can make an analyst’s job much easier. In this part of the course, you’ll check out how to clean your data using SQL. You’ll explore queries and functions that you can use in SQL to clean and transform your data to get it ready for analysis.

Less

Learning Objectives

- Describe how SQL can be used to clean large datasets
- Compare spreadsheet data-cleaning functions to those associated with SQL in databases
- Develop basic SQL queries for use with databases
- Apply basic SQL functions for use in cleaning string variables in a database
- Apply basic SQL functions for transforming data variables

Less

Using SQL to clean data



Video: Using SQL to clean data 45 sec

Resume



Video: Sally: For the love of SQL 3 min



Video: Understanding SQL capabilities 3 min



Reading: Using SQL as a junior data analyst 10 min



Video: Spreadsheets versus SQL 4 min



Reading: SQL dialects and their uses 10 min



Practice Quiz: Hands-On Activity: Processing time with SQL 2 questions



Practice Quiz: Test your knowledge on SQL 3 questions

Learn basic SQL queries



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



Video: Widely used SQL queries 6 min



Video: Evan: Having fun with SQL 2 min



Video: Cleaning string variables using SQL 12 min





Practice Quiz: Hands-On Activity: Clean data using SQL 2 questions




Practice Quiz: Test your knowledge on SQL queries 3 questions


Transforming data

 **Reading:** Optional: Upload the store transactions dataset to BigQuery 10 min


 **Video:** Advanced data-cleaning functions, part 1 6 min

 **Video:** Advanced data-cleaning functions, part 2 8 min

 **Discussion Prompt:** Debugging SQL code 10 min

 **Practice Quiz:** Self-Reflection: Challenges with SQL 1 question

Weekly challenge 3

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

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

