

Transforming and Analyzing Data with SQL

Wed May 17

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POWERED BY

LIGHTHOUSE LABS

Clinton Boyda's Transforming and Analyzing Data with SQL (Eval)

Details

Student



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Evaluator



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Code

[cboyda/LighthouseLabs/blob/main/Project-SQL/REA...](https://github.com/cboyda/LighthouseLabs/blob/main/Project-SQL/REA...)

Status

Accepted

Submitted

w2e

2023-05-14

Project

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Cohort

[All May 1 2023](#)

Student Notes

Submission by Clinton Boyda

[Evaluation Details](#)

[Project Description](#)

Evaluation Details

Overall Feedback

Great work on this project. The organization is impeccable. I like the check boxes, even if not checked (most of them were). I can see that you put a lot of thought and effort into this. Keep up the awesome work!

SQL

Exceptional

Implements advanced SQL techniques/skills (i.e. changing data type or creating custom field within SQL query)

Acceptable

Uses SQL queries to access data they need and is able to join data from multiple

tables.

Needs Work

Can create basic SQL queries but cannot yet join data from separate tables.

Unsatisfactory

Does not have enough syntax knowledge to use SQL to access the data they need

Data Acquisition

Exceptional

Finds relevant data sources with thought given to source reliability and the data quality. Parses data efficiently.

Acceptable

Finds and sets up connection with data sources to access relevant data tables and parses unstructured data to solve a problem.

Needs Work

Can find and work with simple data sources, such as basic data found online and parse simple structures.

Unsatisfactory

Must be provided with data files, does not have technical skills to access and parse any data source.

Data Audit

Exceptional

Identifies potential issues with quality and quantity of data and fixes issues at the source of the data . Generates hypothesis of what can be done with the data.

Acceptable

Assesses quality of data or data source and identifies potential issues by checking for missing values and duplicate rows in addition to other standard techniques

Needs Work

Conducts data quality assessment but has limited understanding of the implications of any quality assessment (uses incomplete QA techniques or incorrectly applied).

Unsatisfactory

Cannot identify steps to follow to assess quality of data.

Data Cleaning

Exceptional

Thinks beyond basic data cleaning techniques to consider additional data issues (i.e. capitalization of text)

Acceptable

Cleans data to address potential issues by using outlier detection techniques, replacing null values with correct information, and deduplicating data.

Needs Work

Implements incomplete set of data cleaning techniques.

Unsatisfactory

Aware of data cleaning techniques but lacks technical skills to implement them.

Tool Installation & Set Up

Exceptional

Recommends problem specific tools and can set up any tool stack required.

Acceptable

Aware of a wide range of industry-standard tools and their pros and cons. Can set up and work with basic tools required for the project.

Needs Work

Can install pre-determined tool stack, and has basic understanding of the set up and tool environment.

Unsatisfactory

Cannot install tools or set up environment.

Coding Comprehension

Exceptional

Comments code using best practices for variable names, syntax etc. Further explanation of code is not required.

Acceptable

Writes well commented code that others can understand independently. Has little syntax errors but applies best practice inconsistently.

Needs Work

Code and comments need further clarification.

Unsatisfactory

Code is not sufficiently comprehensible without an explanation. Missing or unclear comments.

Organization

Exceptional

README.md is well written, easily understood, and precise instructions are included. Files created can easily be shared with others. File organization allows for easy collaboration with others.

Acceptable

Keeps files organized and appropriately named. Able to maximize Github file management to easily collaborate with others. Uses generic README.md that provides adequate description.

Needs Work

Files are somewhat organized but README.md file doesn't match content of folder, does not have enough explanations. Naming of files and file structure could be improved so work is more easily shared.

Unsatisfactory

Files are not properly organized, could not be shared easily with others. Teammates unable to work with files created. Missing files.