

Loading Data Using SQL: Final Task

Home Assignment for Submission

Task: Analysis of Financing Data for New Investment

This task needs to be submitted for review. Read the task description and follow the steps below to complete the assignment.

Topics mentioned

All the topics covered in Module 3, such as:

- ✓ Basic SQL Commands
- ✓ Basic SQL Functions
- ✓ GROUP BY, JOINS
- ✓ Timestamps, String Functions, Mathematical Operators
- ✓ Data Cleaning
- ✓ Data Visualization

Task description

You are a data analyst working for a company planning to venture into a new market involving financial services. In line with this, it is requesting insights on sources of financing companies tap into when entering the said industry.

Decision-makers will use insights from your report for their alternatives analysis as they explore probable sources of financing to start offering the new service.



What you need to do

General Instruction:

- 1 Import this **dataset** to SQL and address the objectives for each item number.
- 2 The dataset is a subset from an open data set; should you wish to peruse the source, you can find it **here**.
- 3 Refer to the **Definition of Terms** to understand the terminologies.
- 4 **Save the file as xls, xlsx, doc, pdf.**
If you not sure how to save the file, use this [guide](#).
- 5 **Archive the file and submit it to the platform.**
If you not sure how to archive the file, use this [guide](#).

Tasks:

- 1 Prepare the dataset for the analysis by **creating a new table** selecting the records where the market is financial services.
Keep in mind that the values in this column are misspelled.
- 2 **Provide descriptive analytics** that presents the number of observations of companies operating in financial services and their average, minimum, and maximum seed funding.
- 3 Aware of the reality that equity crowdfunding is a bit rare in financial services, determine whether or not there has been a previous instance where a startup offering financial services received equity crowdfunding. If there was, **provide details of the company**, such as the country it operates in, the year it was founded, its status (whether or not it is still operating), and the amount of equity crowdfunding it acquired.
- 4 Determine **whether or not a significant outlier in terms of total funding (USD) exists among companies that offer financial services.**
An outlier is an extremely high or low value. Provide details about this outlier, such as its country, status, year founded, and total funding (USD).
- 5 Excluding the significant outlier, **provide insights on the company regarding the usual financing sources for businesses that offer financial services.**
Export your data from SQL to MS Excel, and create a data visualization that presents the average funds acquired from financing sources such as equity crowd-sourcing, undisclosed sources, convertible notes, debt financing, and private equity.

Definition of terms

For the definition of terminologies that are used in this task, you may check out the dictionary using the different links provided below:

- ✓ [Seed Fund](#)
- ✓ [Venture Capital](#)
- ✓ [Equity Crowdfunding](#)
- ✓ Undisclosed Sources—
sources that are not disclosed to the public
- ✓ [Convertible Notes](#)
- ✓ [Debt Financing](#)
- ✓ [Private Equity](#)

Tips and Hints

- ✓ Consider **working on a copy** which is a subset that only includes Financial Services, to ensure that other irrelevant records are not included during querying.
- ✓ Make sure to clean the data before performing aggregate functions or conditional queries.
- ✓ Use “ORDER” command to find the unrealistically big value.
- ✓ With other questions, [visit our FAQ page](#) for more information.

Completion criteria

Use this checklist before assigning the hometask to check if everything is done.

- I have imported the dataset to PostgreSQL, created a clean copy of the provided dataset using SQL queries, addressed the objectives for data analysis, and created a data visualization using MS Excel to compare the number of funds garnered from various sources for financing.

- The document is saved as .xls, .xlsx, .doc, .pdf, archived and submitted to the learning platform.**



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