



[◀ Return to "Data Foundations" in the classroom](#)

Music SQL Database

REVIEW

CODE REVIEW

HISTORY

Meets Specifications

Hi there, it's Cláudio! Thanks for sending all the required files for the review process and for the all queries executing without any error.

Congratulations for your project and for the quality presented on it. You really did a great job.

I hope you had enjoyed doing this project and put in practice important concepts from data foundations. I will leave my contact below in case you have any doubt about this review as well to stay connected.

That's all! Enjoy data foundations and keep it up the great work so far.

Thank you.

Cláudio

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SQL Queries

All SQL queries run without errors and produce the intended results.

Congratulations for your work. High quality presented at your SQL queries

All of them executes without any error and it returns the intended results.

Bonus:

- Here I will provide some good articles about advanced SQL techniques:

<https://www.sqlite.org/lang.html>

<https://www.safaribooksonline.com/library/view/using-sqlite/9781449394592/ch05s03.html>

<http://www.sqlitetutorial.net/>

Each SQL query needs to include one or more explicit join. The JOIN or JOINS should be necessary to the query. If a question does not require a JOIN please change the question to be one that does.

Example:

SELECT *

FROM Album

JOIN Track on Track.AlbumID = Album.AlbumID

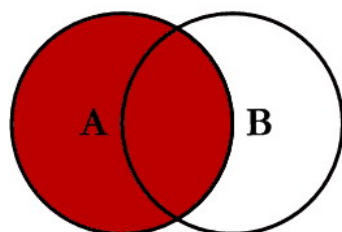
Awesome.

You have implemented on each query an explicit join. Well done!

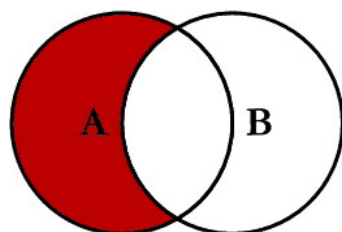
Bonus:

- I will leave some great bit picture of type of joins that you can try out: #

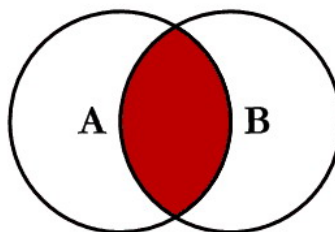
SQL JOINS



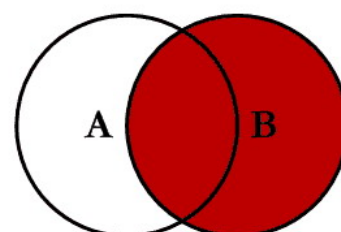
```
SELECT <select_list>
FROM TableA A
LEFT JOIN TableB B
ON A.Key = B.Key
```



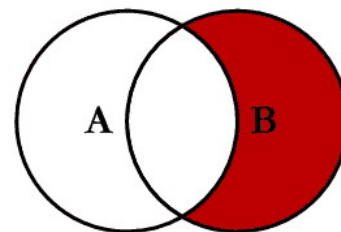
```
SELECT <select_list>
FROM TableA A
LEFT JOIN TableB B
ON A.Key = B.Key
WHERE B.Key IS NULL
```



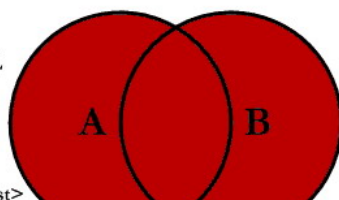
```
SELECT <select_list>
FROM TableA A
INNER JOIN TableB B
ON A.Key = B.Key
```



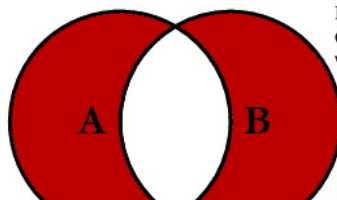
```
SELECT <select_list>
FROM TableA A
RIGHT JOIN TableB B
ON A.Key = B.Key
```



```
SELECT <select_list>
FROM TableA A
RIGHT JOIN TableB B
ON A.Key = B.Key
WHERE A.Key IS NULL
```



```
SELECT <select_list>
```



```
SELECT <select_list>
FROM TableA A
```

FROM TableA A
FULL OUTER JOIN TableB B
ON A.Key = B.Key

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FULL OUTER JOIN TableB B
ON A.Key = B.Key
WHERE A.Key IS NULL
OR B.Key IS NULL

Each SQL query needs to include one or more aggregation. This could be a COUNT, AVG, SUM, or other aggregation.

Awesome.

Well done. Each of your query implements at least one or more aggregation.

Bonus:

- Here I will provide a quick summary about aggregation function in SQL lite:

https://www.sqlite.org/lang_aggfunc.html

```
avg(X)
count(*)
count(X)
group_concat(X)
group_concat(X,Y)
max(X)
min(X)
sum(X)
total(X)
```

The student has used at least 4 unique SQL queries in their submission.

Good job.

You have mastered the SQL statement concepts pretty well.

Presentation

Each slide should have an appropriate title and the visualization descriptions should be free of significant factual, spelling and grammar mistakes.

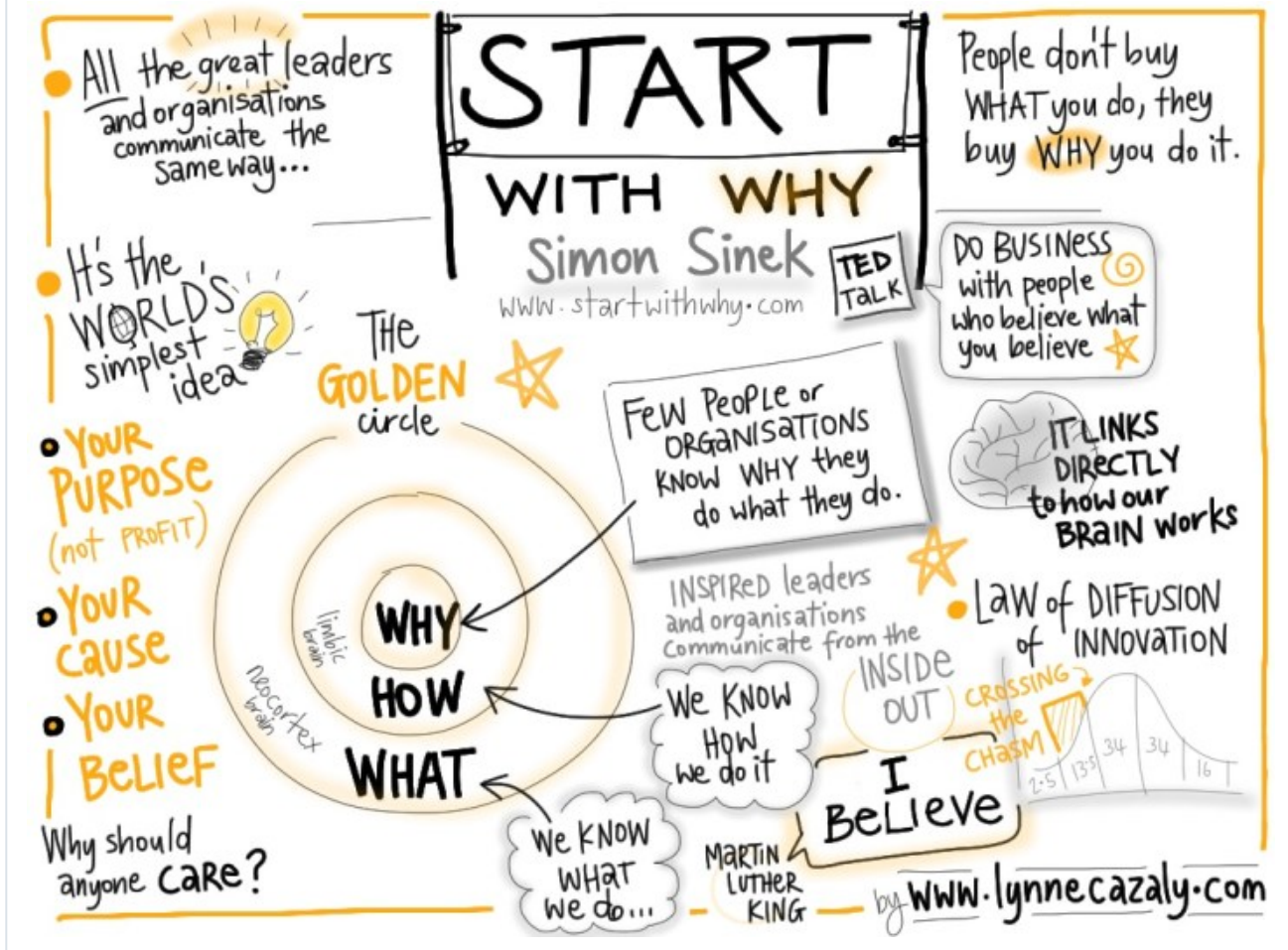
Well done.

You have done a great job with high quality at all of your slides.

Each slide lead us to interesting insights as well to answers to interesting questions too.

Bonus:

- I like to use the "start with why" technique from Simon Sinek (https://www.youtube.com/watch?v=u4ZojKF_VuA), definitely check it out.
- The technique being used for data presentation:
 - <https://startwithwhy.com/find-your-why/>
 - <https://www.slidecoaching.com/2011/10/do-you-start-your-presentation-with-why/>
 - <https://www.documentaal.com/make-targeted-presentations-golden-circle-simon-sinek/>



All visualizations should make logical sense and provide accurate information about the indicated area.

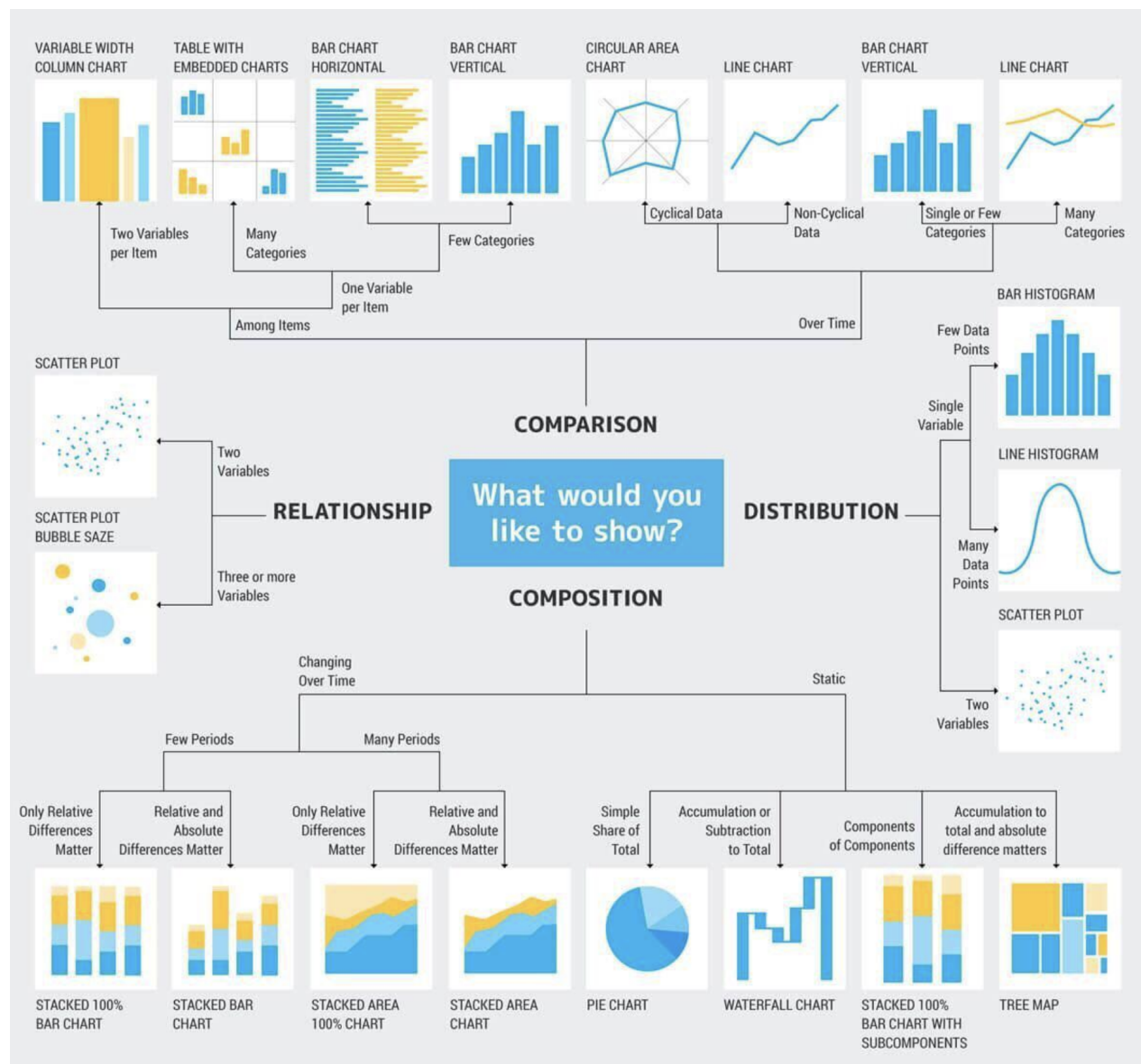
Well done.

Each of your visuals are awesome. Congratulations for your great work

Bonus:

- Here I leave some great examples about more charts that might be used as well a summary for type of chart and it's function:

https://www.tableau.com/sites/default/files/media/which_chart_v6_final_0.pdf



All visualizations include a title and axis labels, have a legend where applicable, and are easily understood.

Every visualization should have

- chart title
- x axis title
- x axis labels
- y axis title
- y axis labels

Amazing.

You have implemented all requirements in all of your charts. Great!

Submission Phase

A PDF report has been uploaded and a .txt file with the queries has been uploaded in a single zipped folder file

Thanks for sending all the required files for the review process.

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