**Meets Specifications**

* You did a great job on this project.
* The code was quite modular which made it easy to read and debug.
* You have a keen eye on the domain knowledge and required parameters to get the job done.

**Table Creation**

**The script, create\_tables.py, runs in the terminal without errors. The script successfully connects to the Sparkify database, drops any tables if they exist, and creates the tables.**

**Awesome**

* The script, create\_tables.py, runs in the terminal without errors.

**CREATE statements in sql\_queries.py specify all columns for both the songs and logs staging tables with the right data types and conditions.**

**Awesome**

* CREATE statements in sql\_queries.py specifies all columns.

**CREATE statements in sql\_queries.py specify all columns for each of the five tables with the right data types and conditions.**

**ETL**

**The script, etl.py, runs in the terminal without errors. The script connects to the Sparkify redshift database, loads log\_data and song\_data into staging tables, and transforms them into the five tables.**

**Awesome**

* The script, etl.py, runs in the terminal without errors.

**INSERT statements are correctly written for each table and handles duplicate records where appropriate. Both staging tables are used to insert data into the songplays table.**

**Awesome**

* Duplicates are handled wherever appropriate.

**Code Quality**

**The README file includes a summary of the project, how to run the Python scripts, and an explanation of the files in the repository. Comments are used effectively and each function has a docstring.**

**Awesome**

* Good attention to detail in the README file.

**Scripts have an intuitive, easy-to-follow structure with code separated into logical functions. Naming for variables and functions follows the PEP8 style guidelines.**

**Suggestion**

* Please include detailed multi-line docstrings in the functions stating the detail of the input and output to the function.
* Example

def process\_log\_file(cur, filepath):

"""

Description: This function can be used to read the file in the filepath (data/log\_data)

to get the user and time info and used to populate the users and time dim tables.

Arguments:

cur: the cursor object.

filepath: log data file path.

Returns:

None

"""