Rubric for Module 8 Challenge:

	Demonstrating Proficiency 25 to > 23 points	**Approaching Proficiency 23 to > 19 points**	**Developing Proficiency 19 to > 16 points**	**Emerging 16 to > 0 points**	**Incomplete**
Deliverable 1: Write an ETL function to read three data files	The ETL function does the following: • The three data files are passed into the function. (10 pt) • All three data sets are converted to DataFrames, and the DataFrames are correct and displayed. (15 pt)	The ETL function does the following: • The three data files are passed into the function. (10 pt) • The Wikipedia JSON file is converted to DataFrame, and the DataFrame is displayed. (5 pt) • The Kaggle metadata and MovieLens ratings data are converted to DataFrames, but the wrong DataFrames are displayed. (8 pt)	The ETL function does the following: • The three data files are passed into the function. (10 pt) • The Wikipedia JSON file is converted to DataFrame, but it is not displayed. (3 pt) • The Kaggle metadata and MovieLens ratings data are converted to DataFrame, but the DataFrames are incorrect. (6 pt)	The ETL function does the following: • The three data files are passed into the function. (10 pt) • The Wikipedia JSON file is ONLY converted to a raw data file. (2 pt) • The Kaggle metadata and MovieLens ratings data are converted to DataFrames, but they are not displayed. (4 pt)	No submission was received -OR- Submission was empty or blank -OR- Submission contains evidence of academic dishonesty
	Demonstrating Proficiency 30 to > 26 points	**Approaching Proficiency 27 to > 25 points**	**Developing Proficiency 25 to > 20 points**	**Emerging 20 to > 0 points**	
Deliverable 2: Extract and Transform the Wikipedia Data	• TV shows are filtered out, and the wiki_movies DataFrame is created. (3 pt) • A try-except block is used to catch errors while extracting the IMDb IDs, and duplicates are dropped. (5 pt) • All of the tasks for the extraction & transformation of the Wikipedia data are completed. (18 pt) • The cleaned Wikipedia data is converted to a DataFrame, and the DataFrame is displayed. (4 pt)	• TV shows are filtered out, and the wiki_movies DataFrame is created. (3 pt) • A try-except block is used to catch errors while extracting the IMDb IDs, and duplicates are dropped. (5 pt) During the extraction & transformation of the Wikipedia data, the following are done: • Columns with null values are dropped. (3 pt) • The non-null box office data is converted to string values. (3 pt) • Regular expression codes for "form_one" and "form_two" of the box office data are correct. (4 pt)	• TV shows are filtered out, and the wiki_movies DataFrame is created. (3 pt) • A try-except block is used to catch errors while extracting the IMDb IDs, and duplicates are dropped. (5 pt) During the extraction & transformation of the Wikipedia data, the following are done: • Columns with null values are dropped. (3 pt) • The non-null box office data is converted to string values. (3 pt) • Regular expression codes for "form_one" and "form_two" of the box office data are correct. (4 pt)	• TV shows are filtered out, and the wiki_movie DataFrame is created. (3 pt) • A try-except block is written, but doesn't catch errors while extracting the IMDb IDs and dropping duplicates. (3 pt) During the extraction & transformation of the Wikipedia data, the following are done: • Columns with null values are dropped. (3 pt) • The non-null box office data is converted to string values. (3 pt) • Regular expression codes for "form_one" and "form_two" of the box office data are correct. (4 pt)	

		• THREE of the FOUR columns are cleaned. (6 pt) • Wikipedia data is not cleaned but is converted to a DataFrame and displayed. (3 pt)	• TWO of the FOUR columns are cleaned. (4 pt) • Wikipedia data is not cleaned but is converted to a DataFrame and displayed. (3 pt)	• ONE of the FOUR columns are cleaned. (2 pt) • Wikipedia data is not cleaned but is converted to a DataFrame and displayed. (2 pt)	
	Demonstrating Proficiency 30 to > 27 points	**Approaching Proficiency 27 to > 22 points**	**Developing Proficiency 22 to > 16 points**	**Emerging 16 to > 0 points**	
Deliverable 3: Extract and Transform the Kaggle Data	During the extraction & transformation of the Kaggle metadata, the following are done: • The metadata is cleaned. (4 pt) • The Wikipedia and Kaggle DataFrames are merged. (3 pt) • The "movies" DataFrame is created, and all FOUR tasks are performed. (8 pt) • All THREE tasks are completed during the extraction & transformation of the MovieLens rating data. (10 pt) • The Kaggle and ratings DataFrames are correct and displayed. (5 pt)	During the extraction & transformation of the Kaggle metadata, the following are done: • The metadata is cleaned. (4 pt) • The Wikipedia and Kaggle DataFrames are merged. (3 pt) • The "movies" DataFrame is created, but only THREE of the FOUR tasks are performed. (6 pt) • All THREE tasks are completed during the extraction & transformation of the MovieLens rating data. (10 pt) • The Kaggle and MovieLens rating DataFrames are displayed, but the"movies" DataFrame is incorrect. (4 pt)	During the extraction & transformation of the Kaggle metadata, the following are done: • The metadata is cleaned. (4 pt) • The Wikipedia and Kaggle DataFrames are merged. (3 pt) • The "movies" DataFrame is created, but only TWO of the FOUR tasks are performed. (4 pt) During the extraction & transformation of the MovieLens rating data the following are done: • The ratings counts are cleaned. (3 pt) • The two DataFrames are merged. (4 pt) • There is an attempt to fill the empty values with “0”. (1 pt) • The Kaggle and MovieLens rating DataFrames are displayed but incorrect. (3 pt)	During the extraction & transformation of the Kaggle metadata, the following are done: • The metadata is cleaned. (4 pt) • The Wikipedia and Kaggle DataFrames are merged, but there is an error. (2 pt) • The "movies" DataFrame is created, but only ONE of the FOUR tasks is performed. (2 pt) During the extraction & transformation of the MovieLens rating data, the following are done: • The ratings counts are cleaned. (3 pt) • The two DataFrames are merged, but there is an error (2 pt) • There is an attempt to fill the empty values with “0”. (1 pt) • The Kaggle and MovieLens rating DataFrames are displayed, but incorrect. (2 pt)	
	Demonstrating Proficiency 15 to > 14 points	**Approaching Proficiency 14 to > 11 points**	**Developing Proficiency 11 to > 8 points**	**Emerging 8 to > 0 points**	
Deliverable 4: Create the	• The data in the movies table in the SQL database is	• The data in the movies table in the SQL database is	• The data in the movies table in the SQL database is not	• There is an error adding the movies table in the database.	

Movie Database	replaced. (5 pt) ● The ratings table is dropped, and the MovieLens rating CSV file is added to the SQL ratings table. (5 pt) ● The elapsed time to add the data to the database is displayed. (5 pt)	replaced. (5 pt) ● The ratings table is dropped, but not all of the MovieLens rating CSV file is added to the ratings table. (4 pt) ● The elapsed time to add the data to the database is displayed. (5 pt)	replaced. (4 pt) ● The ratings table is not dropped, but the MovieLens rating CSV file is added to the ratings table. (3 pt) ● All of the elapsed time to add the data to the database is not displayed (4 pt)	(3 pt) ● The ratings table is not dropped, and there is an error adding the MovieLens rating CSV data. (2 pt) ● The elapsed time to add the data to the database is partially displayed with an error. (3 pt)	