Data Dictionary

A data dictionary, outlining the movies database table details

1) movie_ratings

Field Name	Data Type	Data Format	Required/Nullable?	Description	Example
user_movie_id	Integer		Required	Primary key for ratings table	123
user_id	Integer		Required	Id of users who rate the movies	123
movie_id	Integer		Required	Id of movies rated	123
rating	Float	Number out of 5, in 0.5 increments, from 1-5	Required	Rating of movies by users 5 being the best and 1 being the worst	4.5

2) movie

Field Name	Data Type	Data Format	Required/Nullable?	Description	Example
movie_id	Integer		Required	Primary key for movie table	123
is_adult	Varchar(5)		Required	True/False depending on whether film is an adult movie	True
budget	Bigint		Required	Budget allocated to making the movie	100000
original_language	Varchar(3)		Required	Original language film was made in	en
title	Varchar(300)		Required	Title of film	Jumanji
popularity	Float		Nullable	Measure of popularity of film	21.946943
release_date	Date	YYYY-MM-DD	Required	When the film was released	1995-10-30
revenue	Bigint		Required	Box office revenue of films	262797249
vote_average	Float		Nullable	Average ratings given by tmdb users	7.7
vote_count	Integer		Nullable	Number of votes movie received on tmdb	5415

3) movie_genre

Field Name	Data Type	Data Format	Required/Nullable?	Description	Example
movie_id	Integer		Required	Foreign key for movie table	123
genre_id	Integer		Required	Foreign key for genre table	456

4) genre

Field Name	Data Type	Data Format	Required/Nullable?	Description	Example
genre_id	Integer		Required	Primary key for genre table	123
genre_name	Varchar(300)		Required	Name of movie genre	Comedy

5) date

Field Name	Data Type	Data Format	Required/Nullable?	Description	Example
release_date	Date	YYYY-MM-DD	Required	Primary key for date table	1995-10-30
day	Integer	1-7	Required	Day of the week	5
week	Integer	1-52	Required	Week of the year	20
month	Integer	1-12	Required	Month of the year	12
quarter	Integer	1-4	Required	Quarter of year	4
year	Integer		Nullable	Year	1995

6) consumer_price_index

Field Name	Data Type	Data Format	Required/Nullable?	Description	Example
cpi_id	Integer		Required	Primary key for consumer_price_index table	45
date	Date		Required	Date of CPI figure	1995-10-30
consumer_price_index	Integer		Required	Consumer price index (with 1999 as base of 100)	120