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IMDb Datasets

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Data Location

The dataset files can be accessed and downloaded from <https://datasets.imdbws.com/>. The data is refreshed daily.

IMDb Dataset Details

Each dataset is contained in a gzipped, tab-separated-values (TSV) formatted file in the UTF-8 character set. The first line in each file contains headers that describe what is in each column. A '\N' is used to denote that a particular field is missing or null for that title/name. The available datasets are as follows:

title.akas.tsv.gz - Contains the following information for titles:

- titleId (string) - a tconst, an alphanumeric unique identifier of the title
- ordering (integer) - a number to uniquely identify rows for a given titleId
- title (string) - the localized title
- region (string) - the region for this version of the title
- language (string) - the language of the title
- types (array) - Enumerated set of attributes for this alternative title. One or more of the following: "alternative", "dvd", "festival", "tv", "video", "working", "original", "imdbDisplay". New values may be added in the future without warning
- attributes (array) - Additional terms to describe this alternative title, not enumerated
- isOriginalTitle (boolean) - 0: not original title; 1: original title

title.basics.tsv.gz - Contains the following information for titles:

- tconst (string) - alphanumeric unique identifier of the title
- titleType (string) - the type/format of the title (e.g. movie, short, tvseries, tvepisode, video, etc)
- primaryTitle (string) - the more popular title / the title used by the filmmakers on promotional materials at the point of release
- originalTitle (string) - original title, in the original language
- isAdult (boolean) - 0: non-adult title; 1: adult title
- startYear (YYYY) - represents the release year of a title. In the case of TV Series, it is the series start year
- endYear (YYYY) - TV Series end year. '\N' for all other title types
- runtimeMinutes - primary runtime of the title, in minutes
- genres (string array) - includes up to three genres associated with the title

title.crew.tsv.gz - Contains the director and writer information for all the titles in IMDb.

Fields include:

- tconst (string) - alphanumeric unique identifier of the title
- directors (array of nconsts) - director(s) of the given title
- writers (array of nconsts) - writer(s) of the given title

title.episode.tsv.gz - Contains the tv episode information. Fields include:

- tconst (string) - alphanumeric identifier of episode
- parentTconst (string) - alphanumeric identifier of the parent TV Series
- seasonNumber (integer) - season number the episode belongs to
- episodeNumber (integer) - episode number of the tconst in the TV series

title.principals.tsv.gz - Contains the principal cast/crew for titles

- tconst (string) - alphanumeric unique identifier of the title
- ordering (integer) - a number to uniquely identify rows for a given titleId
- nconst (string) - alphanumeric unique identifier of the name/person
- category (string) - the category of job that person was in
- job (string) - the specific job title if applicable, else '\N'
- characters (string) - the name of the character played if applicable, else '\N'

title.ratings.tsv.gz – Contains the IMDb rating and votes information for titles

- tconst (string) - alphanumeric unique identifier of the title
- averageRating - weighted average of all the individual user ratings
- numVotes - number of votes the title has received

name.basics.tsv.gz – Contains the following information for names:

- nconst (string) - alphanumeric unique identifier of the name/person
- primaryName (string)– name by which the person is most often credited
- birthYear – in YYYY format
- deathYear – in YYYY format if applicable, else '\N'
- primaryProfession (array of strings)– the top-3 professions of the person
- knownForTitles (array of tconsts) – titles the person is known for

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