**FACT TABLE:**

**fact\_user\_actions** (serial *action\_id*, int *user\_id*, timestamp *action\_time*, int *movie\_id*, str *action*,

str *action\_val*)

notes: *action* in {‘rate’, ‘tag’}; *action\_val* in {‘<tag string>’, ‘<0-5 rating as a string>’}

**DIMENSION TABLES:**

**dim\_users** (int *user\_id*, int *num\_ratings*, int *num\_tags*, float *avg\_rating*)

**dim\_time** (timestamp *action\_time*, int *hour*, int *day*, int *week*, int *month*, int *year*)

**dim\_movies** (int *movie\_id*, str *title*, int *tmdb\_id*, str *imdb\_id*, str *genres*, int *actor1\_id*, int

*actor2\_id*, int *actor3\_id*, int *actor4\_id*, int *actor5\_id*, int *director1\_id*, int

*director2\_id*, int *director3\_id*, int *director4\_id*, int *director5\_id*, int *writer1\_id*, int

*writer2\_id*, int *writer3\_id*, int *writer4\_id*, int *writer5\_id*, date *release\_date*,

float *runtime*, float *tmdb\_rating\_avg*, int *tmdb\_votes\_tot*)

**dim\_actors** (int *actor\_id*, str *name*, str *imdb\_id*, date *birthday*, date *deathday*)

**dim\_directors** (int *director\_id*, str *name*, str *imdb\_id*, date *birthday*, date *deathday*)

**dim\_writers** (int *writer\_id*, str *name*, str *imdb\_id*, date *birthday*, date *deathday*)