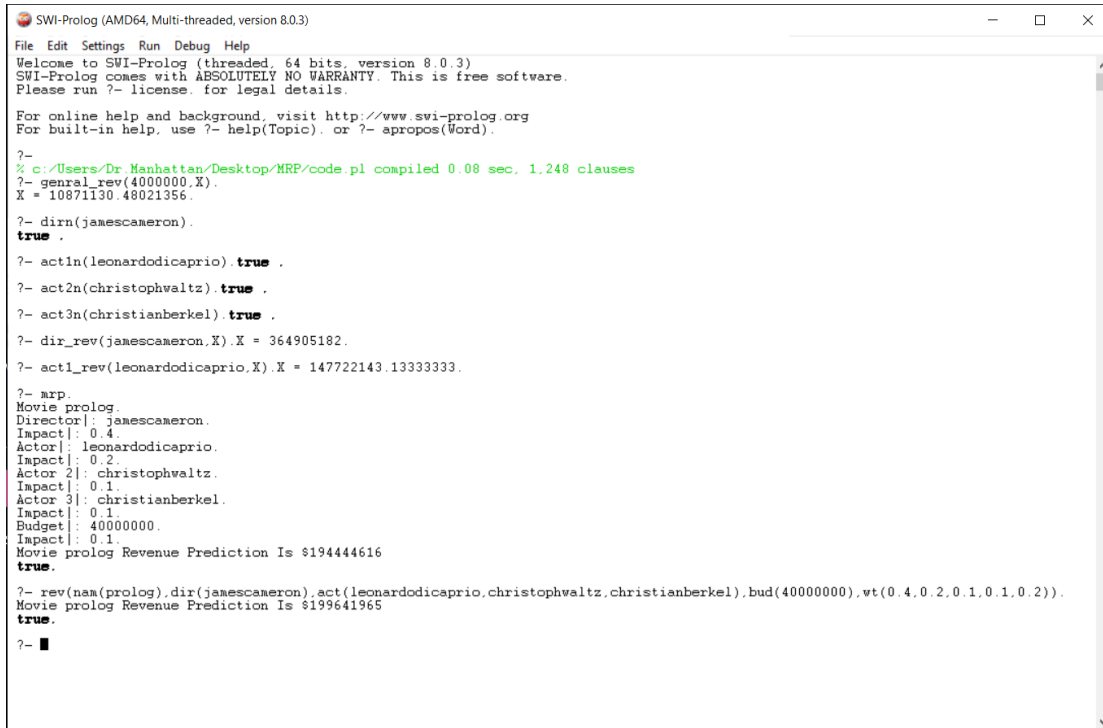


Movie Revenue Prediction

Hatem Mohamed 41710182

Hossam El.Din 41710033

The idea of the project, in general, is to predict movie profits based on pre-recorded data for other films through the use of a linear regression algorithm



```
SWI-Prolog (AMD64, Multi-threaded, version 8.0.3)
File Edit Settings Run Debug Help
Welcome to SWI-Prolog (threaded, 64 bits, version 8.0.3)
SWI-Prolog comes with ABSOLUTELY NO WARRANTY. This is free software.
Please run ?- license. for legal details.

For online help and background, visit http://www.swi-prolog.org
For built-in help, use ?- help(Topic). or ?- apropos(Word).

?-
% c:/Users/Dr.Manhattan/Desktop/MRP/code.pl compiled 0.08 sec, 1,248 clauses
?- genral_rev(4000000,X).
X = 10871130.48021356.

?- dirn(jamescameron).
true.

?- act1n(leonardodicaprio).true.
?- act2n(christophwaltz).true.
?- act3n(christianberkel).true.

?- dir_rev(jamescameron,X).X = 364905182.
?- act1_rev(leonardodicaprio,X).X = 147722143.13333333.

?- mrp.
Movie prolog.
Director|: jamescameron.
Impact|: 0.4.
Actor|: leonardodicaprio.
Impact|: 0.2.
Actor 2|: christophwaltz.
Impact|: 0.1.
Actor 3|: christianberkel.
Impact|: 0.1.
Budget|: 40000000.
Impact|: 0.1.
Movie prolog Revenue Prediction Is $194444616
true.

?- rev(nam(prolog),dir(jamescameron),act(leonardodicaprio,christophwaltz,christianberkel),bud(40000000),wt(0.4,0.2,0.1,0.1,0.2)).
Movie prolog Revenue Prediction Is $199641965
true.

?-
```

genral_rev : General prediction by budget .

dirn ,act1n , act2n ,act3n :Check if the name of the director, actors is exited before or not.

dir_rev : Special prediction by director

act1_rev Special prediction by actor

mrp, rev do the same but in a different format input by predicting the movie revenue by director, actors, budget by Customize every one impact (weight).