



DEEP LEARNING PROYECT

DL

Movie Genre Classification



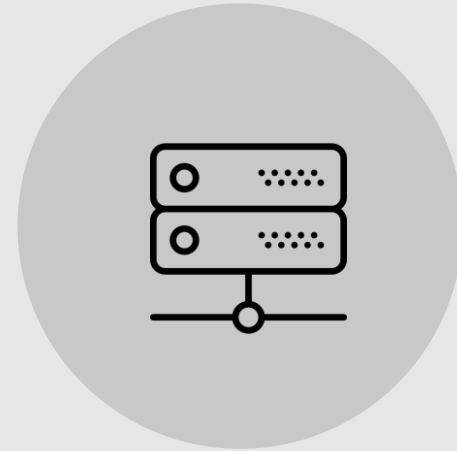
ABOUT THE **PROYECT** | Context of the problem



THE IMAGE



THE PLOT



DATA BASES

Classify Movies Correctly

We have the poster and the plot of 7895 movies.

Those movies may be classified into 24 categories. To test the solution, we have a test database with 3383 rows



MODEL SELECTION

| Define the model that has the best performance



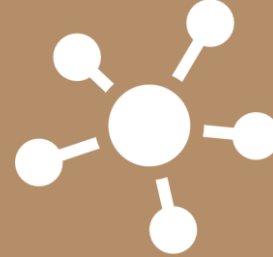
IMAGES - NN

- Simple NN: 0.7928
- Simple CNN: 0.7928
 - TL: 0.7845
- CNN2: 0.7928



IMAGES - ML

- LR: 0.8094
- RF: 0.7907
- KN: 0.7792



TEXT - NN

- CNN: 0.9765



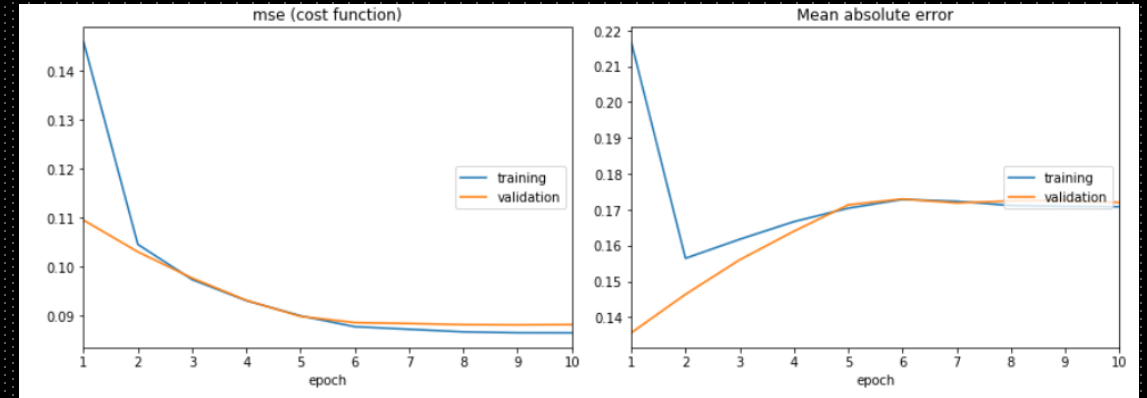
TEXT - ML

- RF: 0.4355



THE SOLUTION

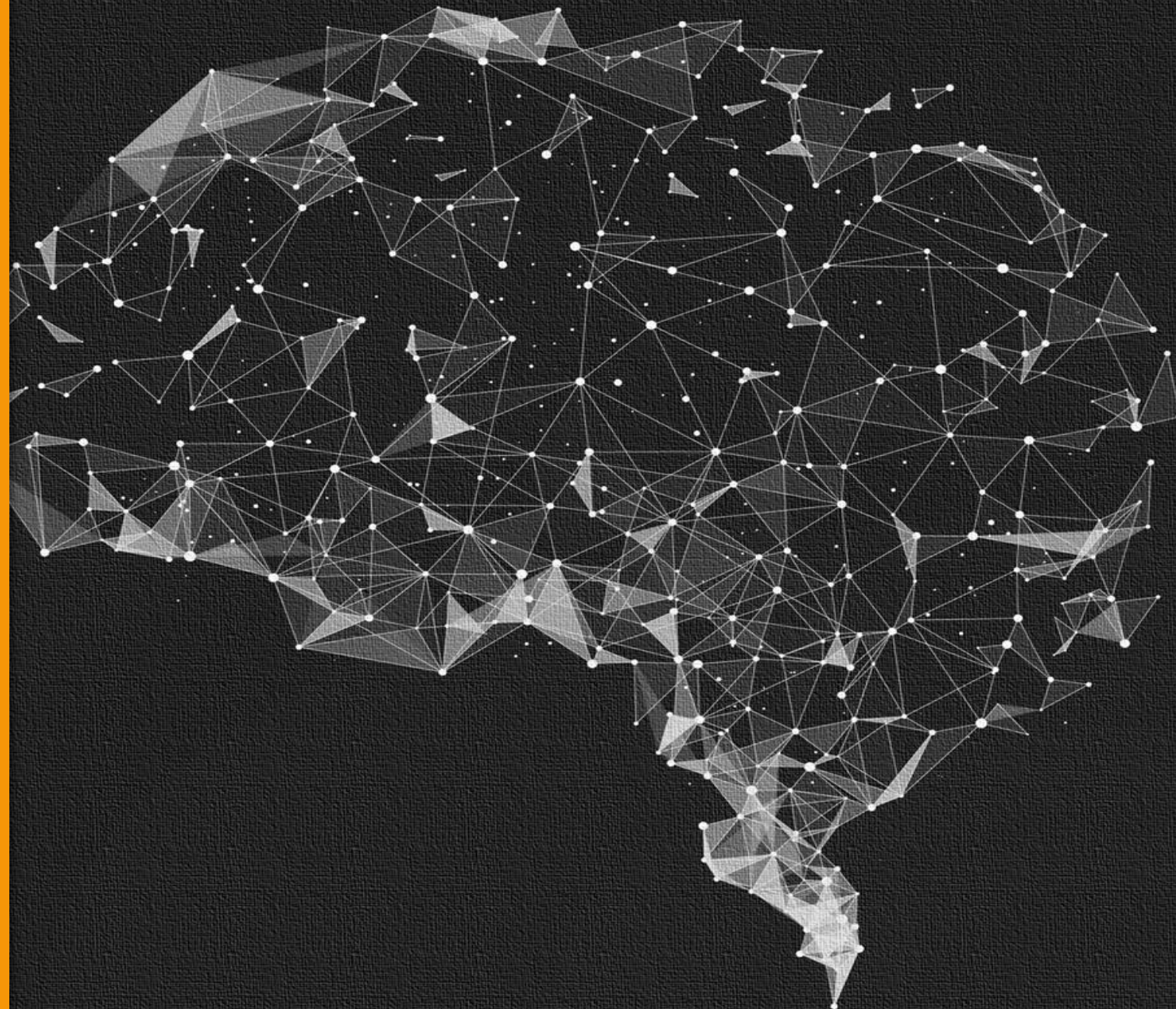
Models used to make the classification



Results

- IMAGES: CNN (6 convolutions + 3 dense layers): 0.7928
 - TEXT: NN ROC-AUC: 0.9714

THANK YOU



Final Deep Learning & NN Project
Universidad de Los Andes