

# Practice Problems

May 20th 2021

Machine Learning - 2021-I  
Maestría en Ing. de Sistemas y Computación

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1. Download the dataset MM-IMDB from <http://lisi1.unal.edu.co/mmimdb/>. Select 2000 images with *drama* label and 2000 with *horror* label. Be careful to exclude those images with both labels. Perform a 60%-20%-20% stratified split for training, validation and test datasets.
2. Use a fine tuning approach to train a ResNet50 network to discriminate between drama and horror movies.
3. Evaluate the model over the test dataset. Discuss the results.