

The Genre Factor

Project Presentation - ML Seminar 2023

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Model

- 4 Dense Layers with Dropout
- Trainable parameters: 85 254
- Loss function: categorical crossentropy
- Optimizer: adam

Layer (type)	Output Shape	Param #
dense_4 (Dense)	(None, 64)	1280
dropout_3 (Dropout)	(None, 64)	0
dense_5 (Dense)	(None, 256)	16640
dropout_4 (Dropout)	(None, 256)	0
dense_6 (Dense)	(None, 256)	65792
dropout_5 (Dropout)	(None, 256)	0
dense_7 (Dense)	(None, 6)	1542
Total params: 85,254		
Trainable params: 85,254		
Non-trainable params: 0		

Training

- Early stopping: Stops training when the validation loss function no longer improves
- Reduce learning rate: Decreases learning rate if validation loss function stagnates → better convergence
- Train the model using the training data with the defined set of hyperparameters.

