

MUSIC GENRE CLASSIFICATION

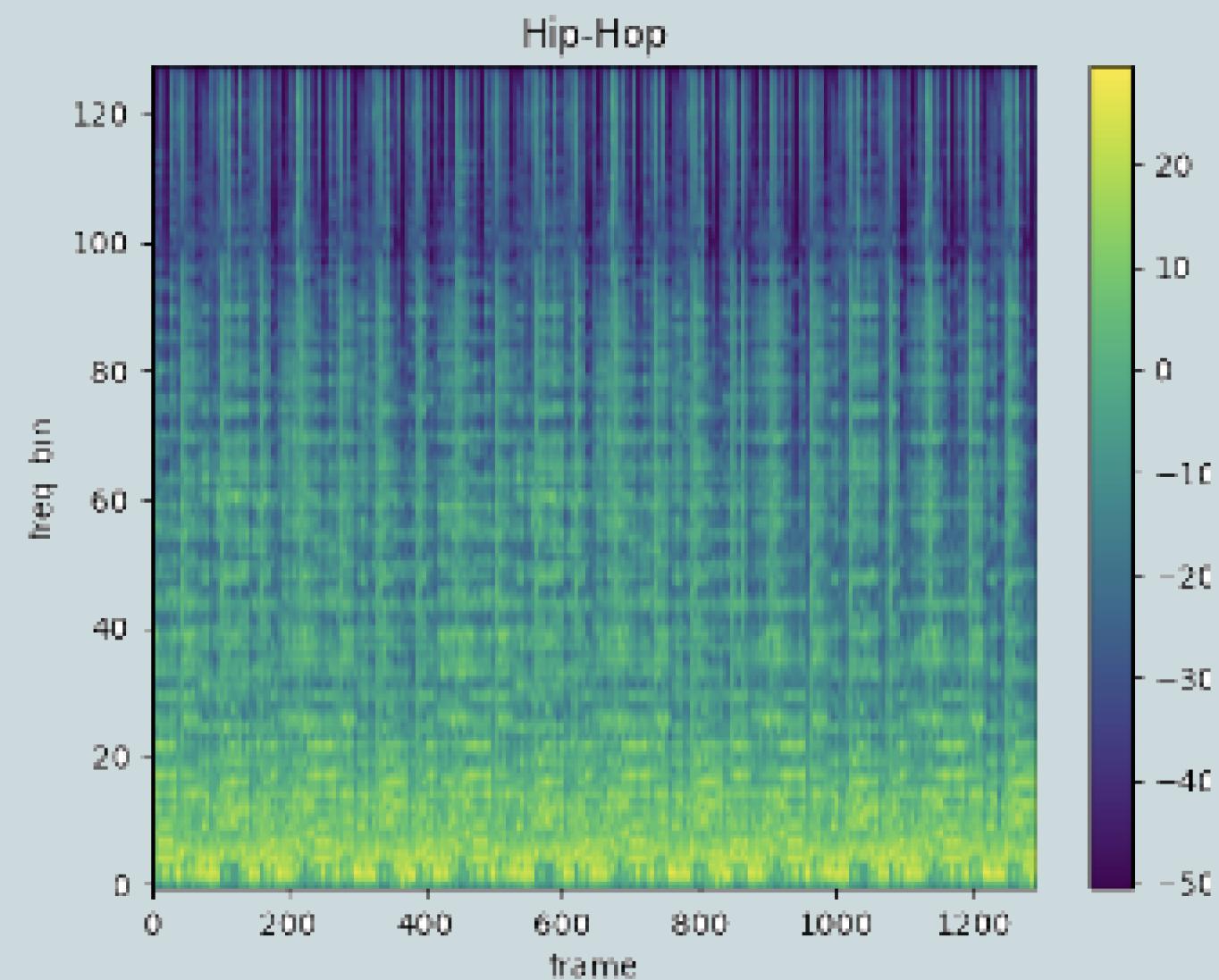
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OBJECTIVE



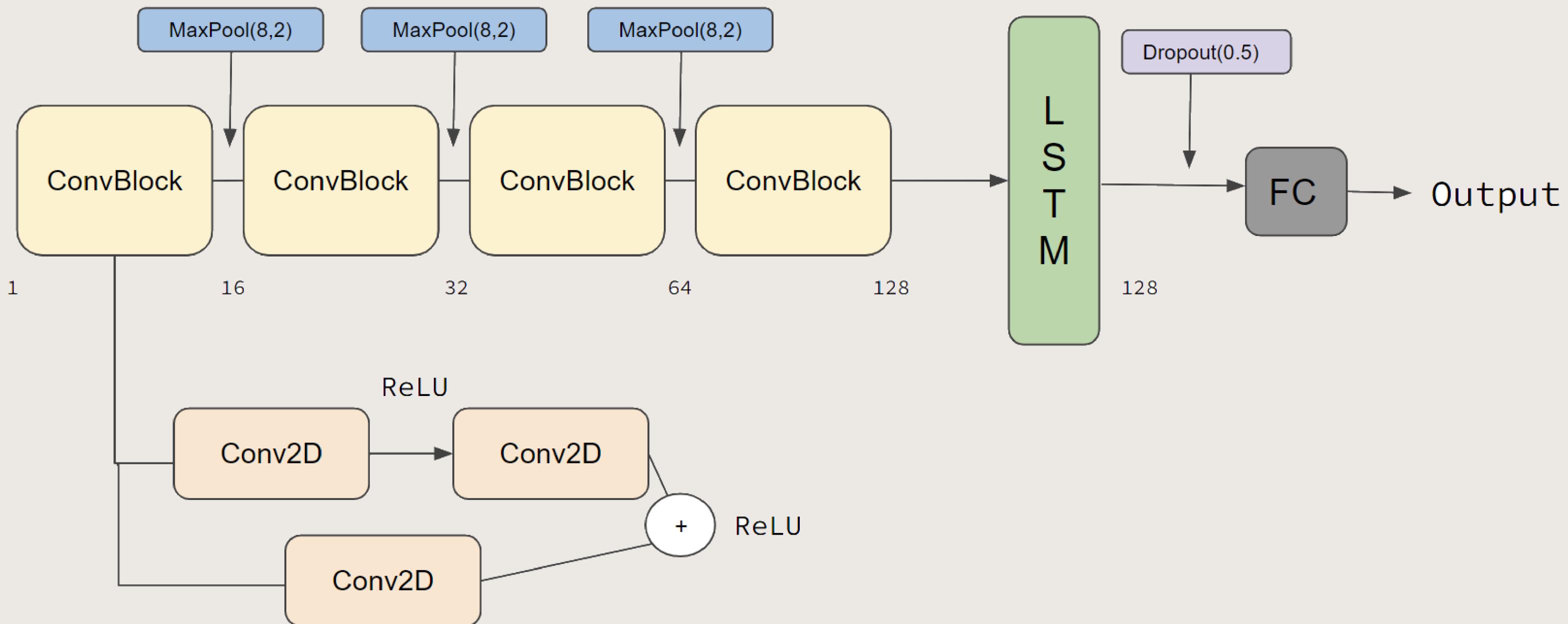
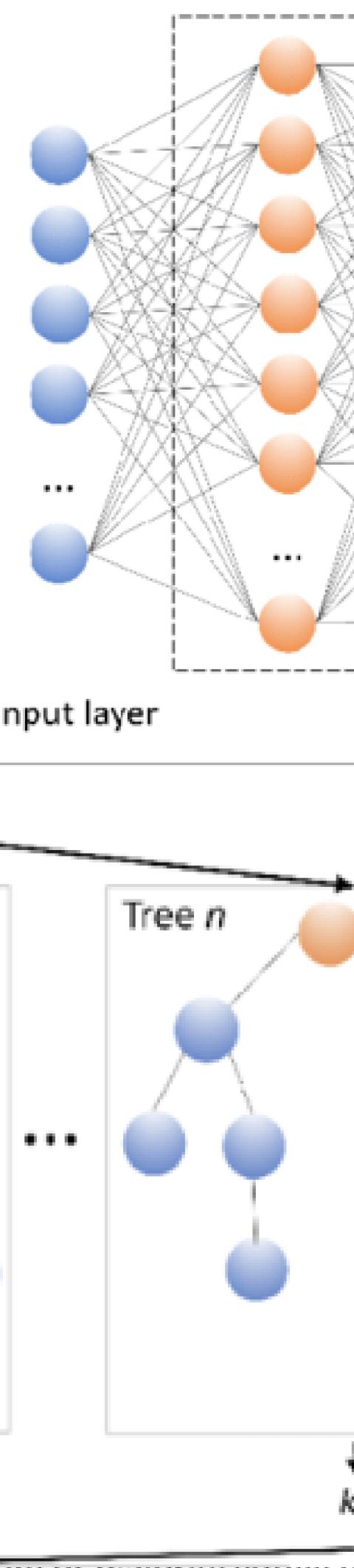
DATA & STARTING POINT



Model	Accuracy
Fully connected	~11%
CNN	17.6%



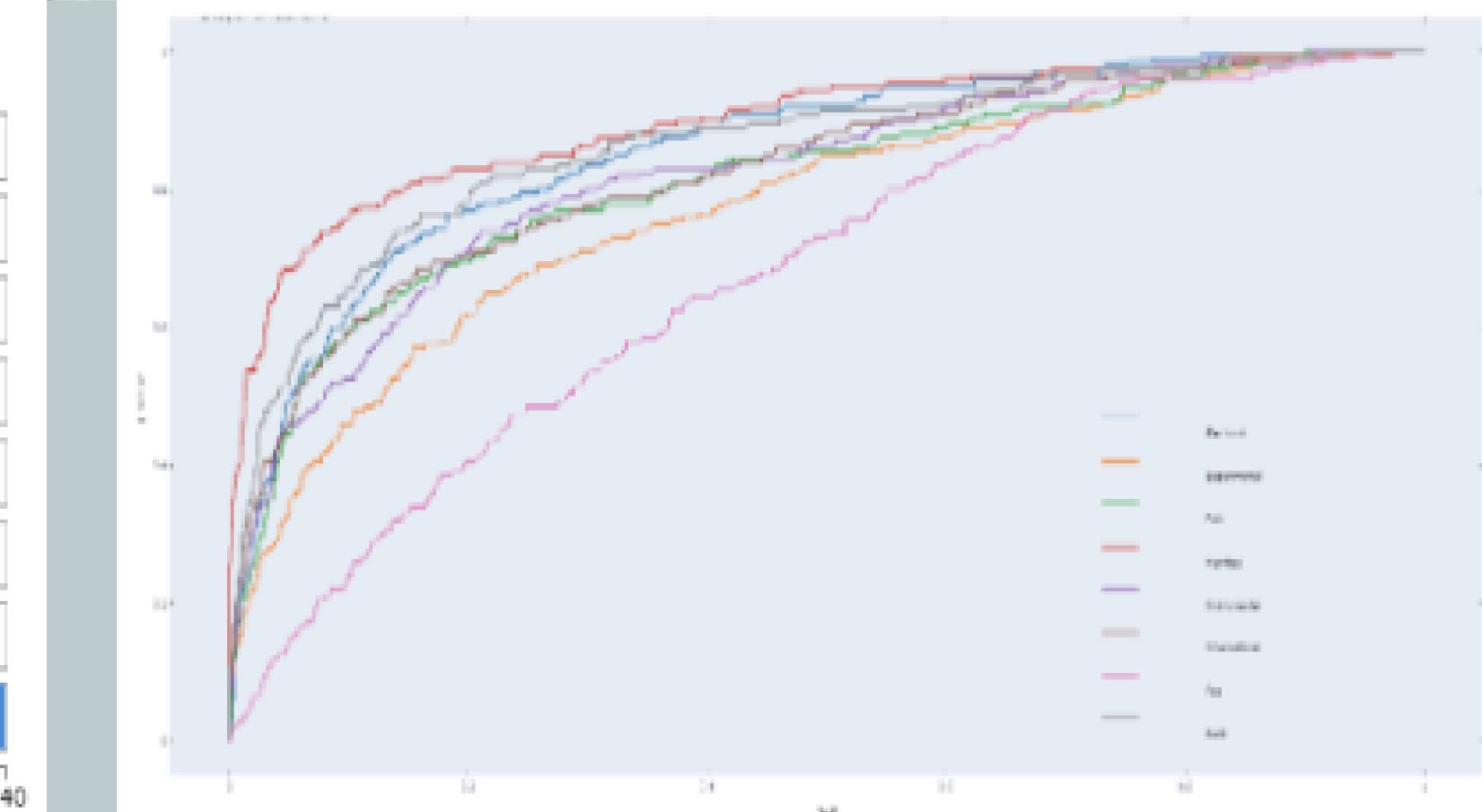
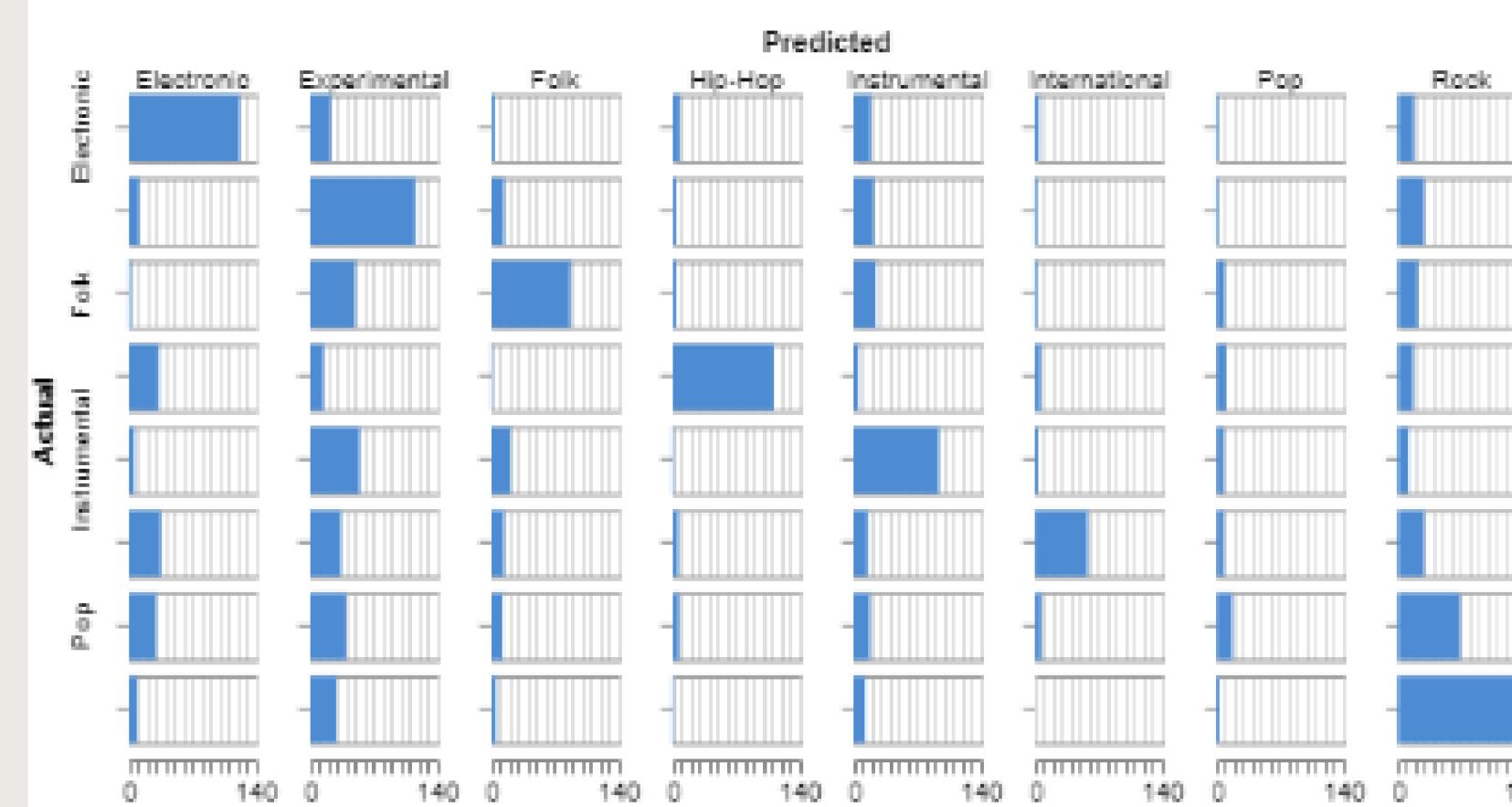
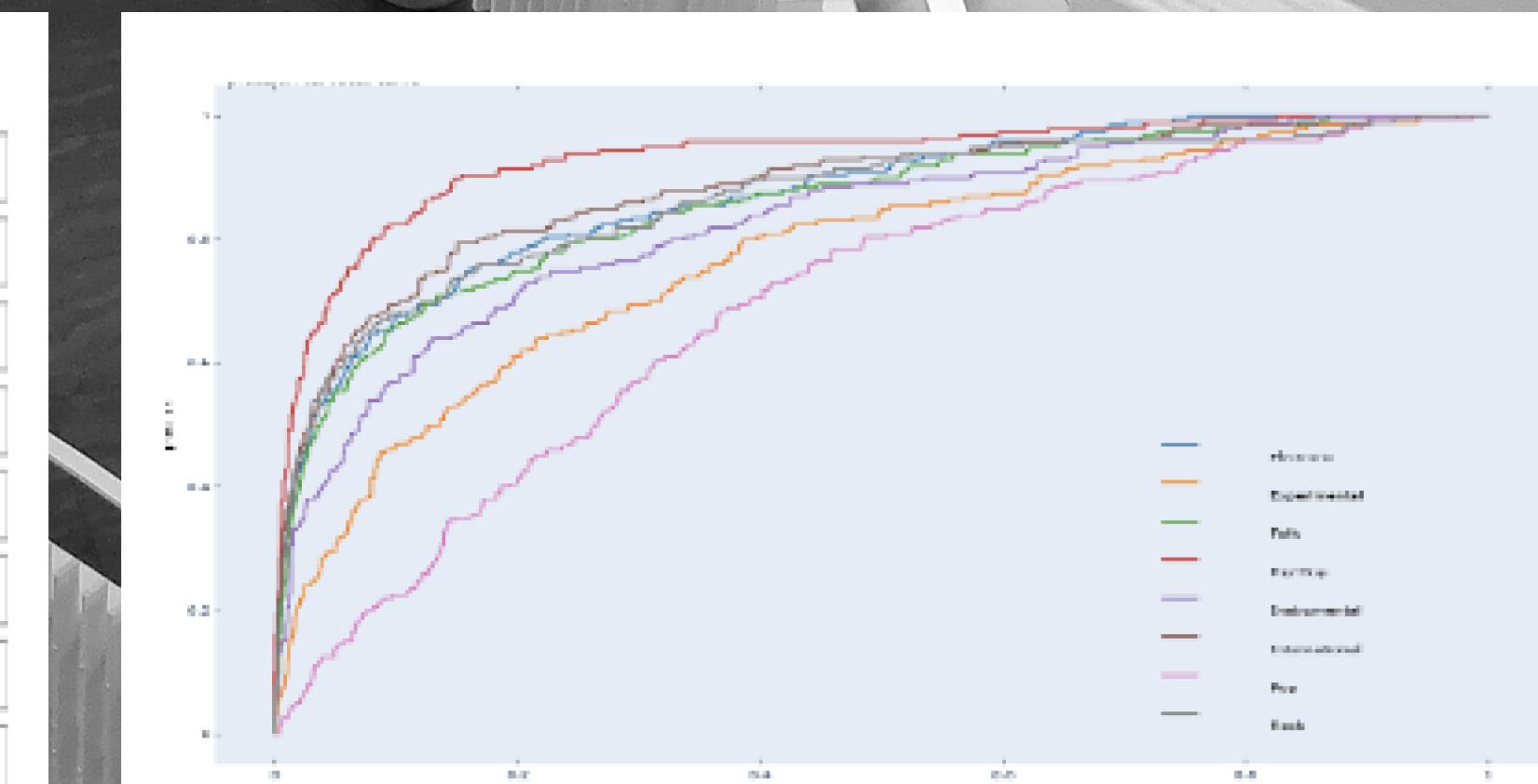
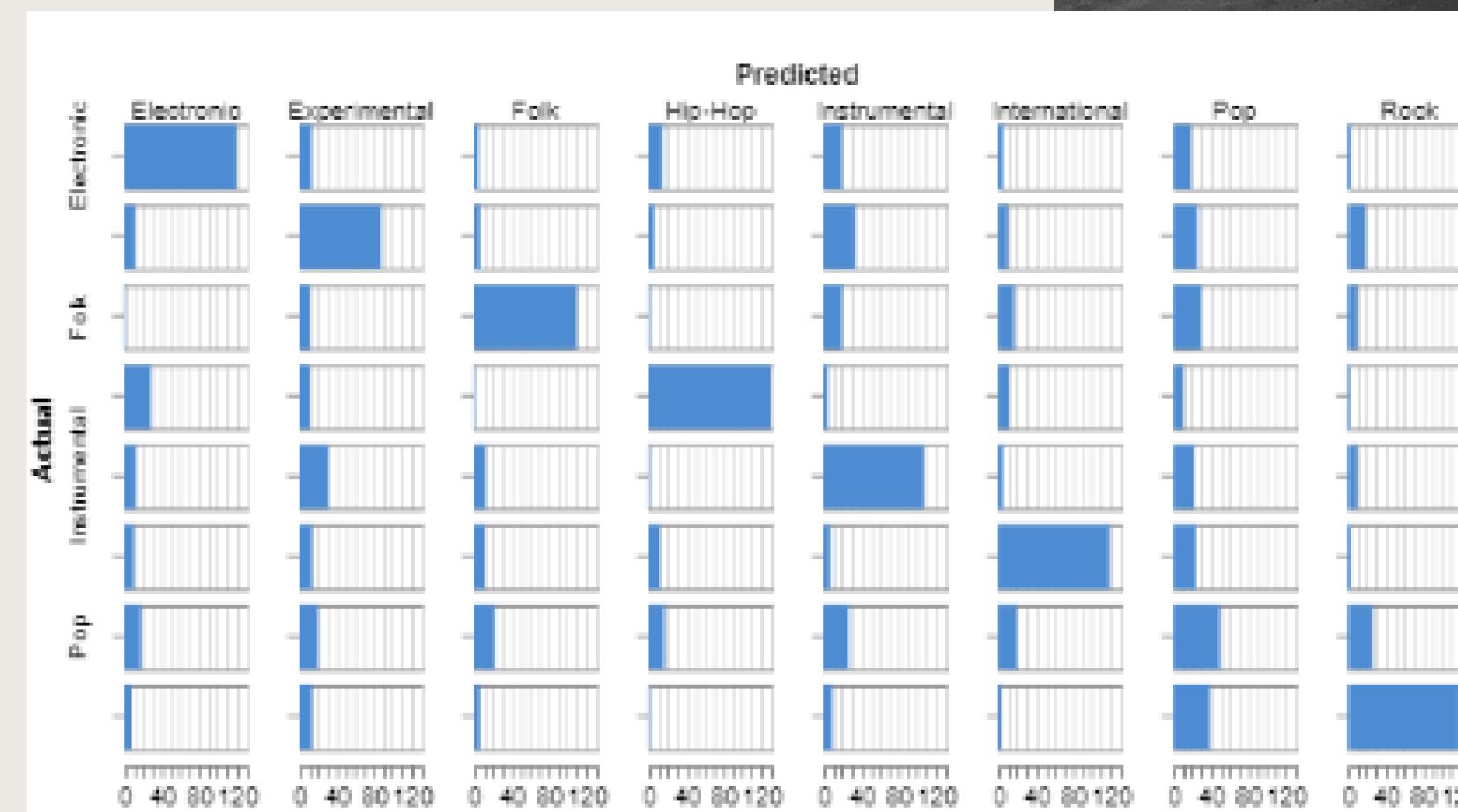
ARCHITECTURES USED



TRAINING SETUP

Model	Initial LR	Data Augmentation	Weight Decay	Epochs	Time (s)	Nº Parameters	Train Loss	Test Loss	Accuracy
CNN1D	0.001	No	No	30	900	236,680	1.50	1.85	33%
CNN1D	0.0001	Yes	Yes	50	1200	236,680	1.3	1.55	47%
CNN2D	0.001	No	No	30	5180	37,912,576	0.1	1.5	49%
CRNN	0.001	No	No	30	6220	438,808	0.1	1.1	56%
CRNN	0.01	No	No	30	6220	438,808	2.08	2.08	12%
CRNN	0.0001	No	Yes	20	3000	438,808	0.9	1.3	47%

RESULTS & ANALYSIS



FUTURE WORK



CONCLUSIONS



- Complexitat de les dades
- Starting Point
- Temps