


BEST ARTWORKS OF ALL TIMES

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INTRODUCTION:

BRIEF DESCRIPTION:

- ❖ Painters' artworks as the years progress might lose their clarity and colors and will be hard to restore it!

PROJECT OBJECTIVE:

- ❖ Denoising images and colorization will be helpful for art restorer, in addition prediction the genre of the artwork for painters.



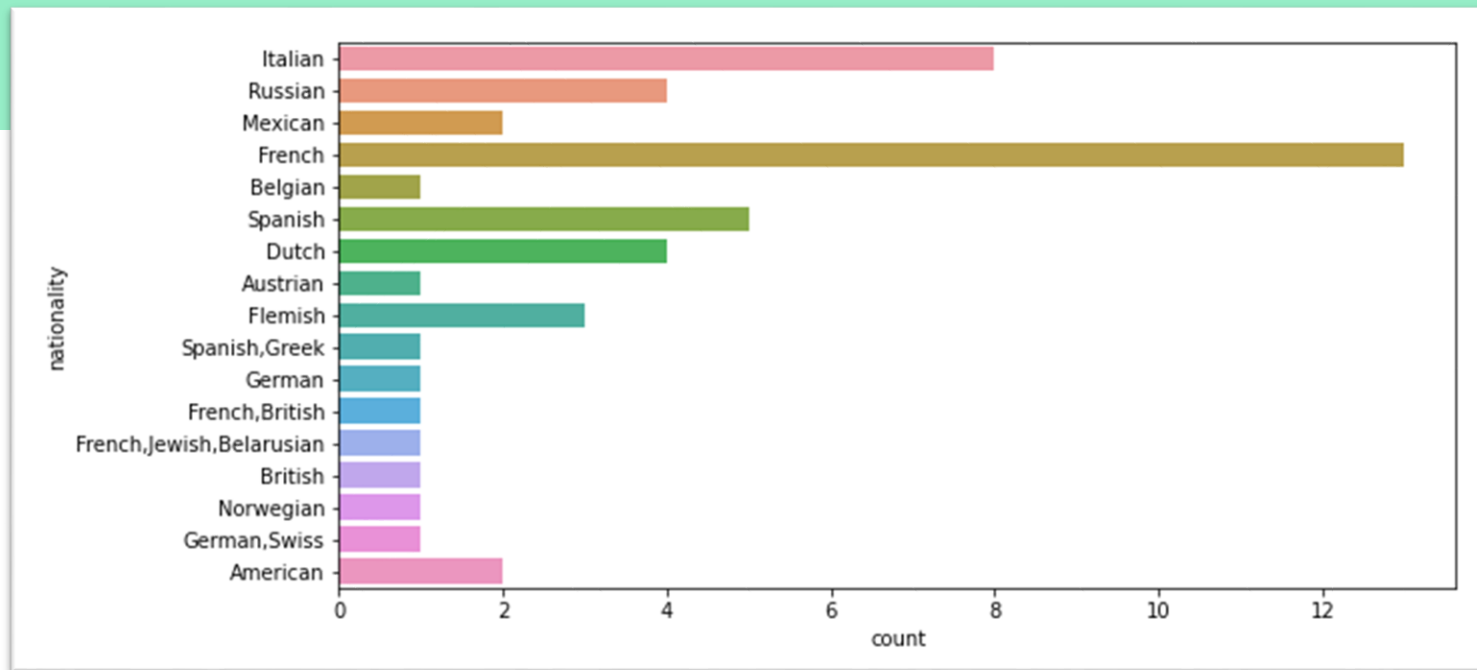
DATASET

The dataset contains an artists file with 50 artists names, and a file with 8000 images for artists artworks

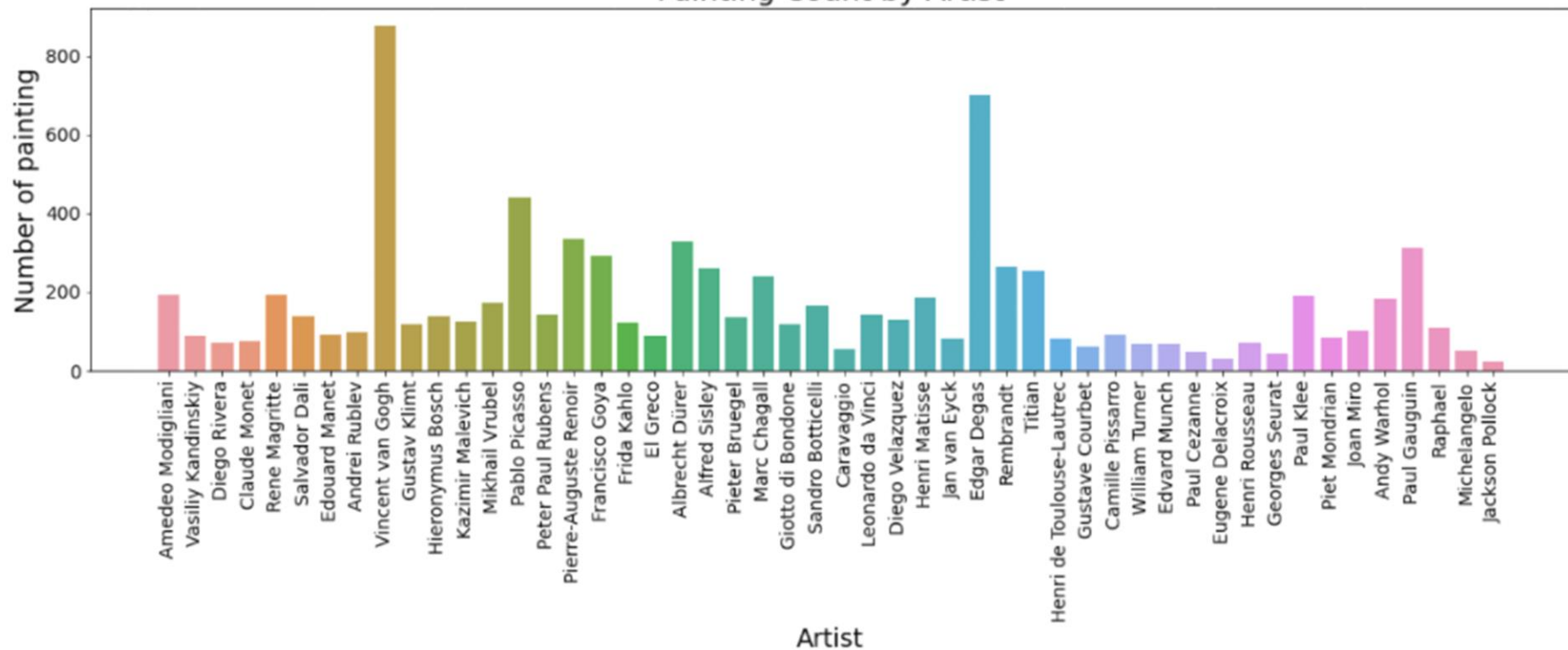
TOOL & LIBRARIES

- JUPYTER
- PYTHON
- KERAS
- TENSORFLOW
- PANDAS
- NUMPY
- SEABORN
- MATPLOTLIB

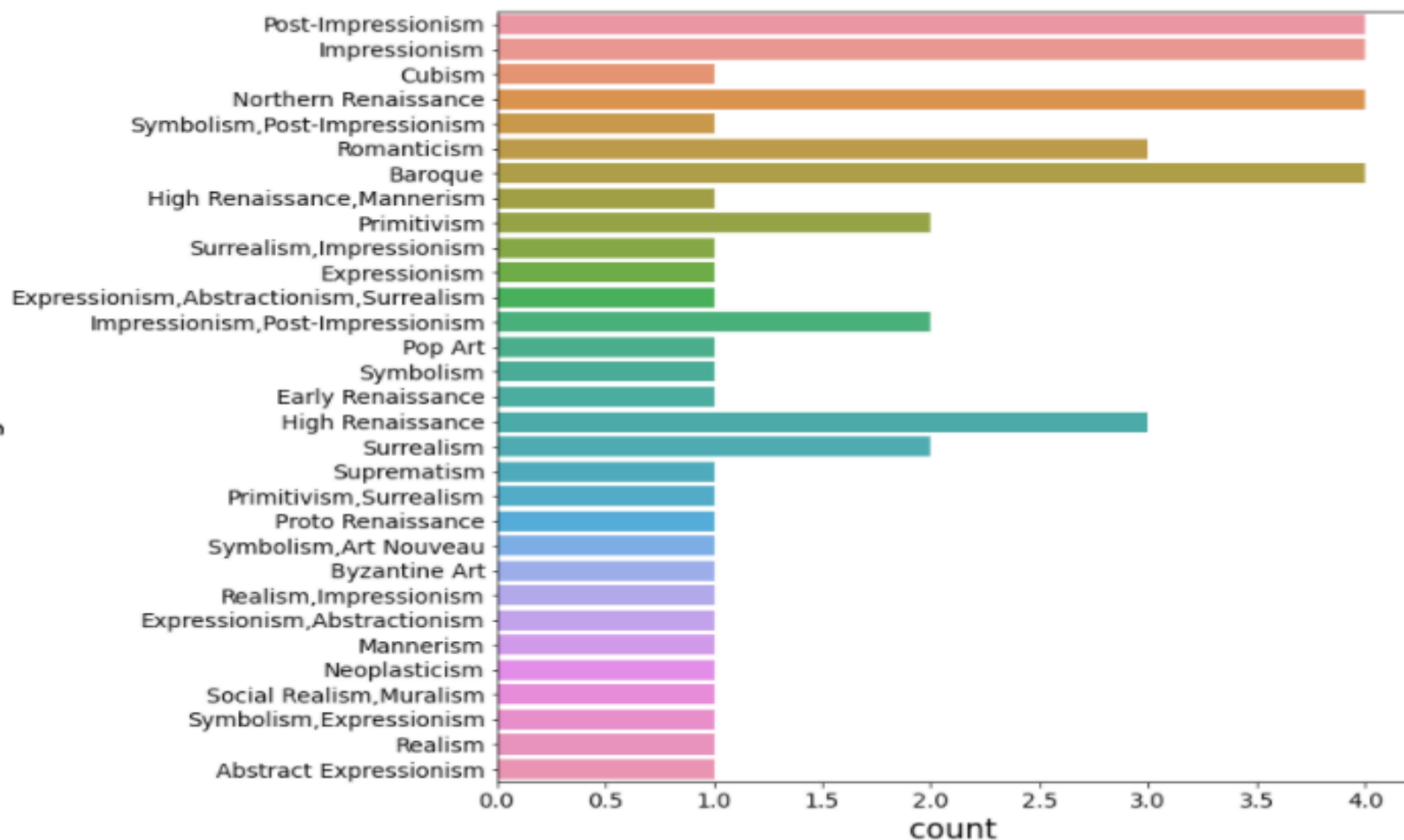
RESULT:



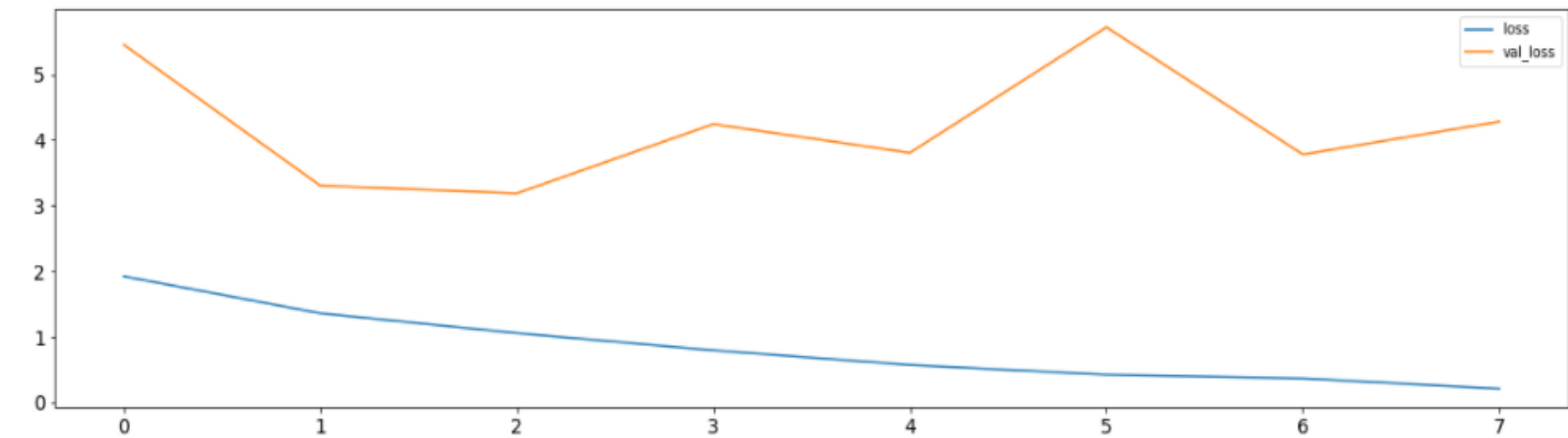
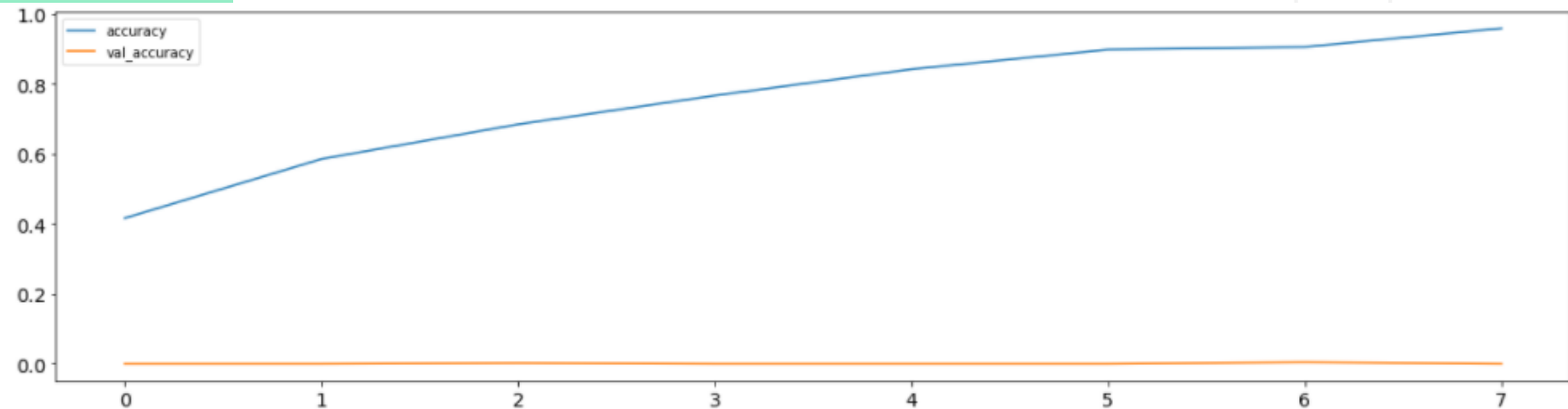
Painting Count by Artist



genre

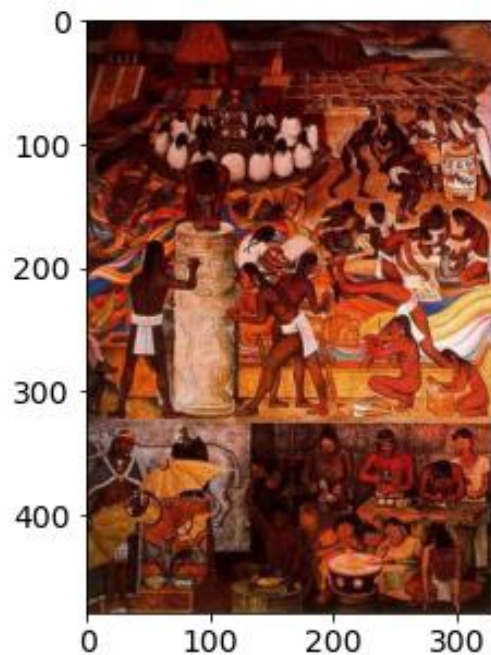


GENRE PREDICTION

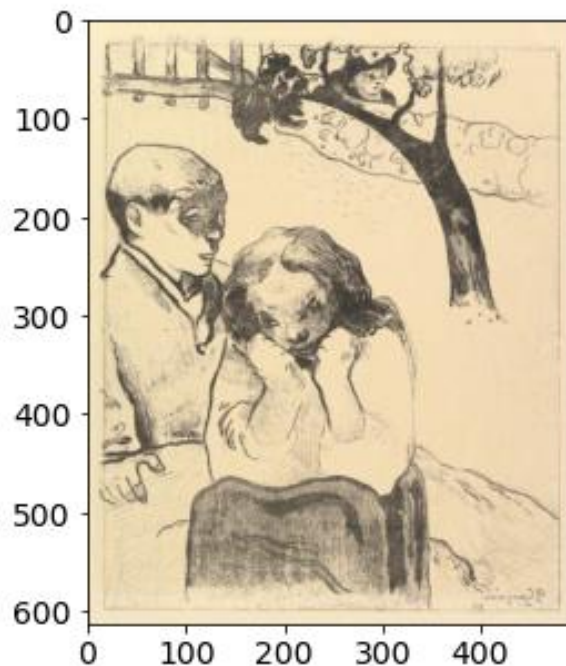


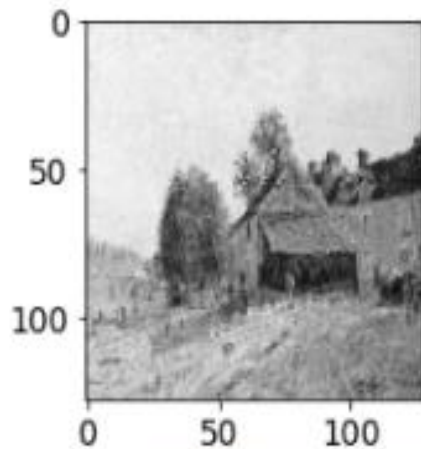
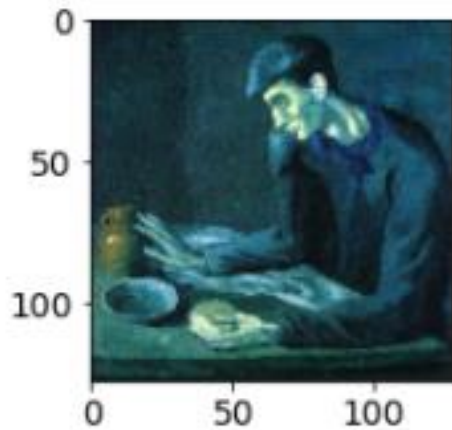
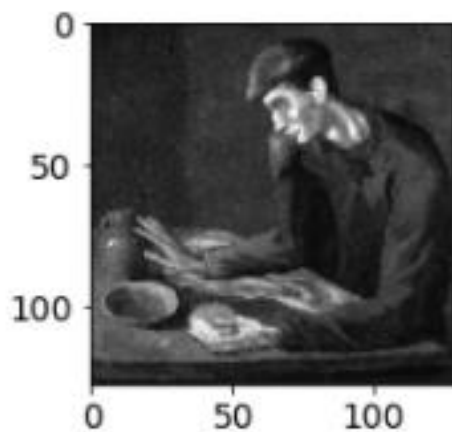
PREDICTION RESULT:

Predicted current = Primitivism,Surrealism
Prediction probability = 50.72 %



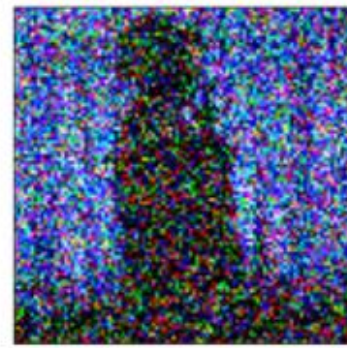
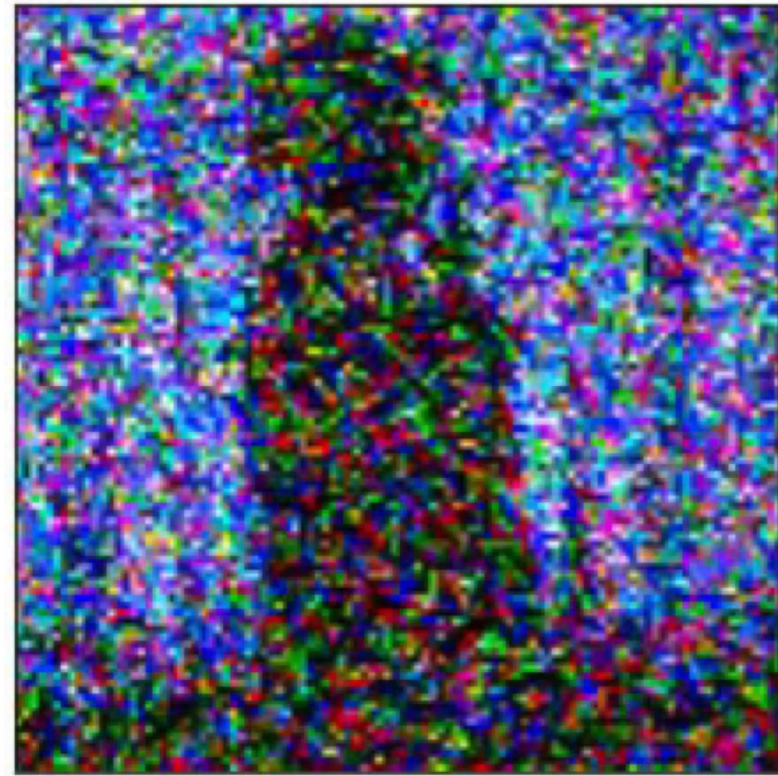
Predicted current = Expressionism,Abstractionism
Prediction probability = 76.46 %





COLORIZATION:

DENOISING ARTWORKS:



CONCLUSION..

In conclusion the main objective of this project was to help arts restorer to clarify and colorize artworks ,also prediction the genre of each artwork using deep learning methods.



THANKS!