

Straw Hat Fanart Classifier

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Any anime fans out there?

Anime Fandom

Cosplay, Fan fiction, Fanart

Straw Hats from 'One Piece'

Test your skills

Can the model recognize your character?

Straw Hat Fanart Classifier

A Higher Level

Technical presentation

How it works



The Data

www.myanimelist.net

Image Scraping

BS4 (Beautiful Soup)

Numpy

Requests

Time.sleep

OS

Data Transformation

Numpy

Tensorflow

Sklearn

Distribution of Characters

Graphic

Convolutional Neural Network Model

Great for image data!

Model Layers

Tensorflow

Conv2D

MaxPooling2D

Flatten

Dense

Dropout

Loss & Metrics

Loss

Categorical Cross Entropy

Metrics

Accuracy

Metrics

Loss

Categorical Cross Entropy

Metrics

Accuracy

Flask Application

Interactive Deployment

Conclusion

Assumptions, Risks, Limitations

Conclusion

Limitations:

Risks:

Assumptions:

Thank you!

Contact:

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