

Neural Networks Evolution

	We split videos of the sub underwater into multiple frames to get thousands of data points (since we could not use kaggle or other similar resources for data)
	We split our data into a training, a testing, and a validation dataset in order to correctly classify data
	We tested on multiple kinds of networks, including KNNs, ANNs, and RNNs, and eventually came to the conclusion that a CNN would work best
	We built a preprocessor with OpenCV functions to make the image clearer and resize every image
	We tested on google colab, therefore giving us access to a remote GPU
	We had issues with our .pickle files, which took quite a while to fix!
	We created our model, which consists of 5 layers.
Next Steps...	Because our .pickle files have been fixed, we plan on testing a lot more!