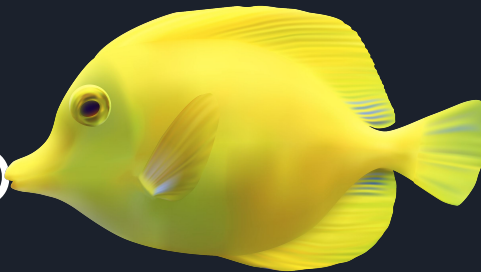




# FishSnap



Saving and mapping the Ocean one fish at a time  
through Fishial Recognition Technology

# What did we build? *// What is FishSnap?*



A mobile image recognition app that

- uses the device camera to capture an image
- identify it through vision and ML frameworks

We used a custom fish category dataset as a pre-trained model for Core ML to classify what type of fish is in the photo.

# What impact will this have?

Allows smaller/poorly-funded fishers to quickly

- assess the nature/value of their catch and to
- track fish locations by the scans.





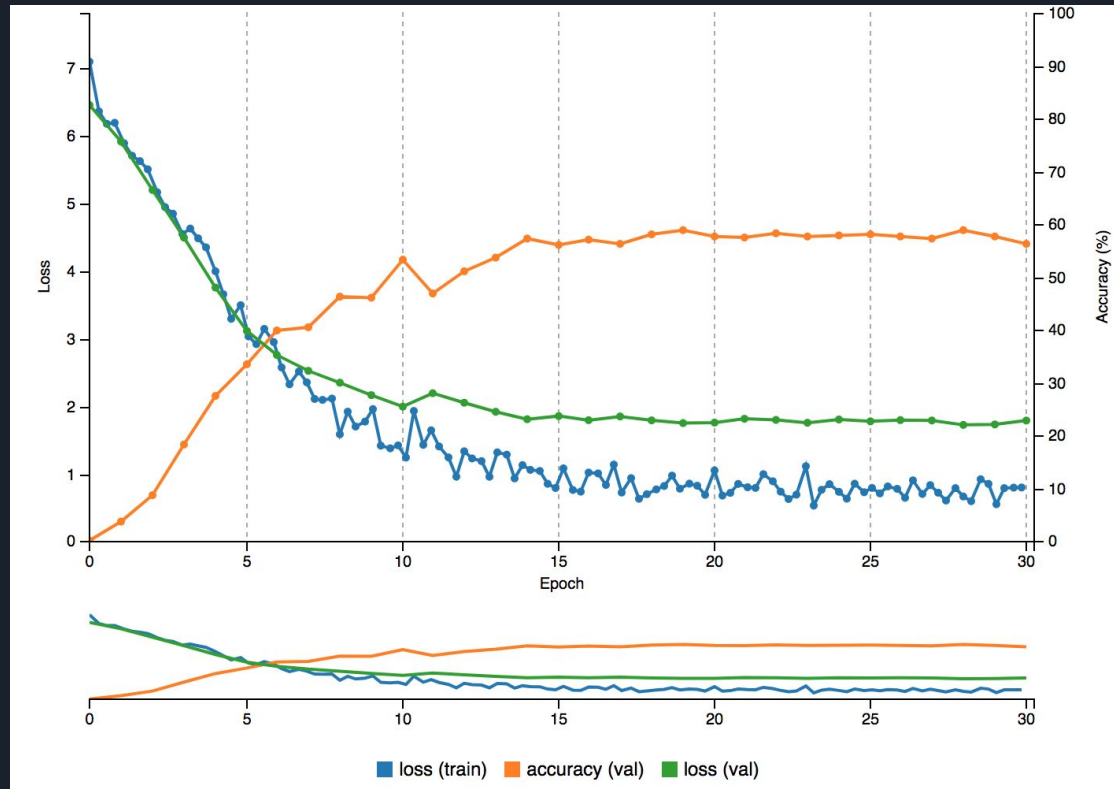
# Why is the data important?

Two reasons

- This data collection will both facilitate aquatic marine studies
- and further improve the machine learning of the image recognition.



# Machine Learning you say?





Would you like to see it?

DEMO IT!



A friend from the coral reefs and lagoons in  
the Indo-Pacific region



*Novaculichthys Taeniourus*



# The Sailfin Snapper from the Great Barrier Reef




*Symphorichthys Spilurus*



## Where do we go from here?

- Add 33K additional species from Fishbase.org
- Add BaaS to collect images to a centralized file store
- Social Feature
- Mapping UI of the verified catches

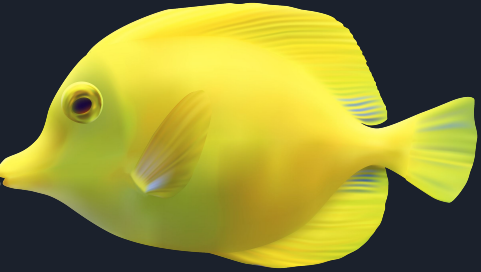




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