



# Boat Image Classifier

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By Christopher Hyek

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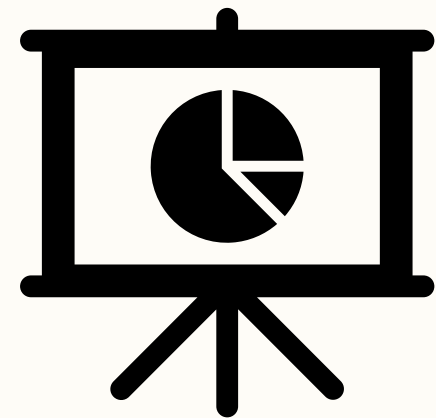
# Goal

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Hypothetical Employer: Dock Logistics Dept

Question: Can we through still images of boats in the docks figure out what seafaring vessels we have?

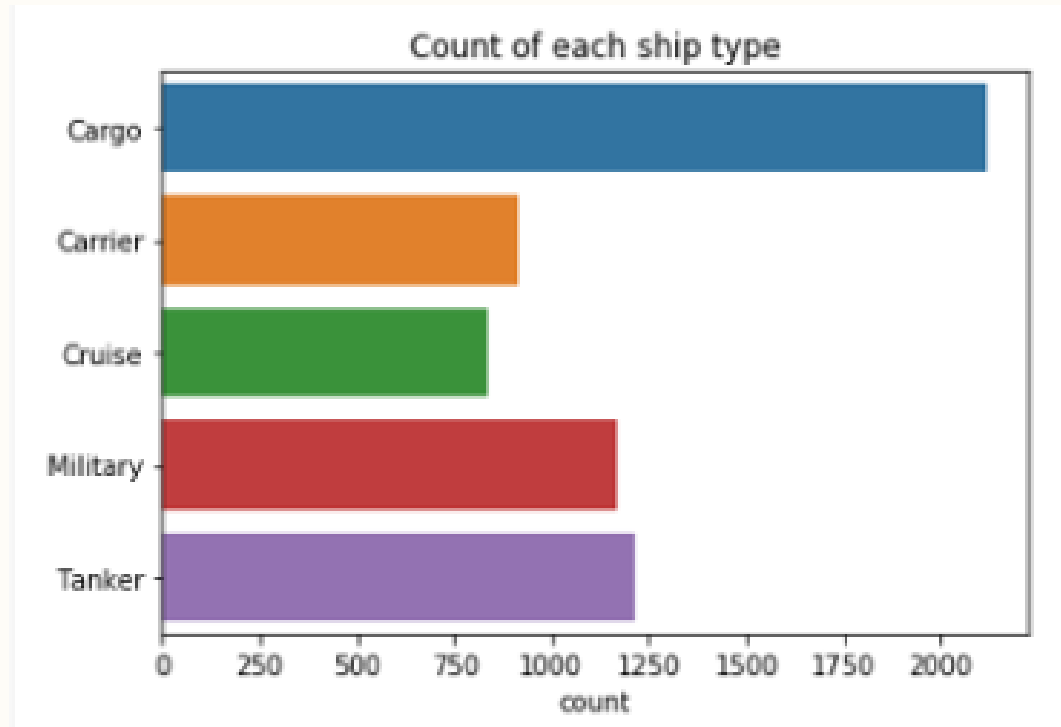
Why: Census reasons and security reasons



# Data

Images were in color and black and white

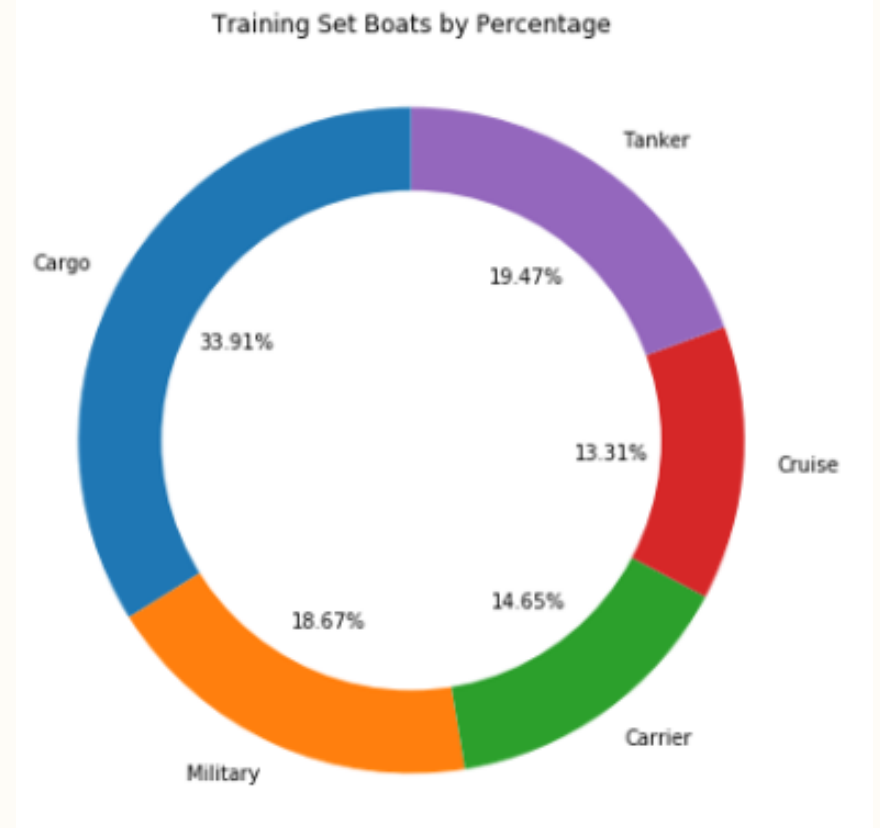
Five types of Boats



# Cleaning and Exploring

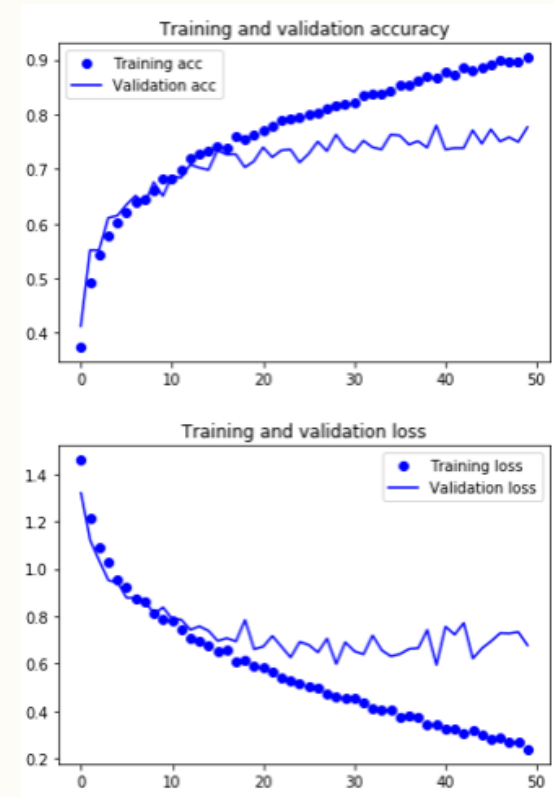
Very Clean Data

Some imbalance of data



# Modeling and Interpreting

- + Very high training and test accuracy
- + Did not memorize the data
- + Many varied tests were applied
- Could be more efficient
- A lot of trial and error

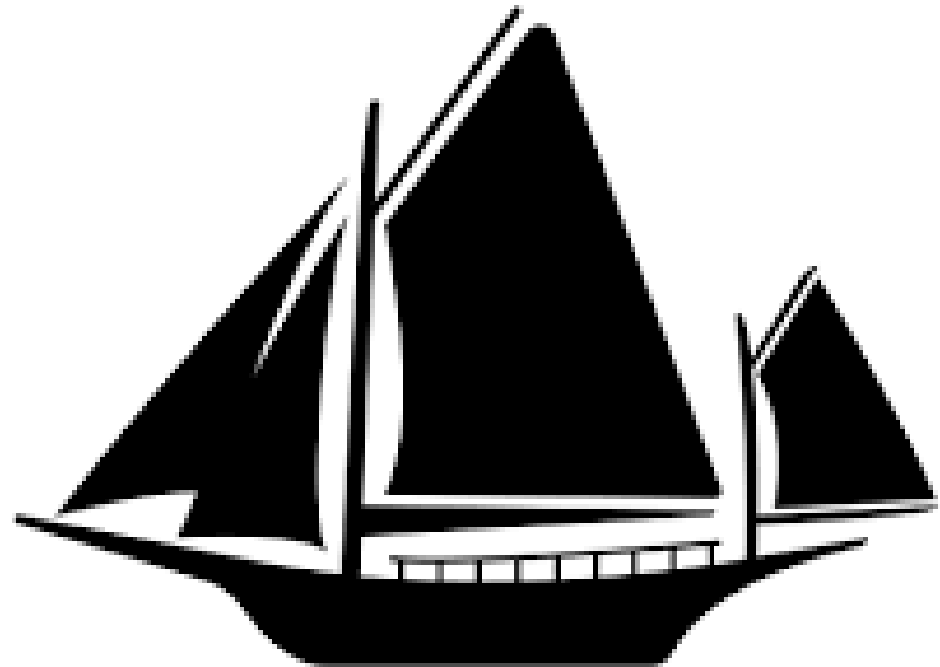


# Recommendation

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Standardize the boat angles and cameras used

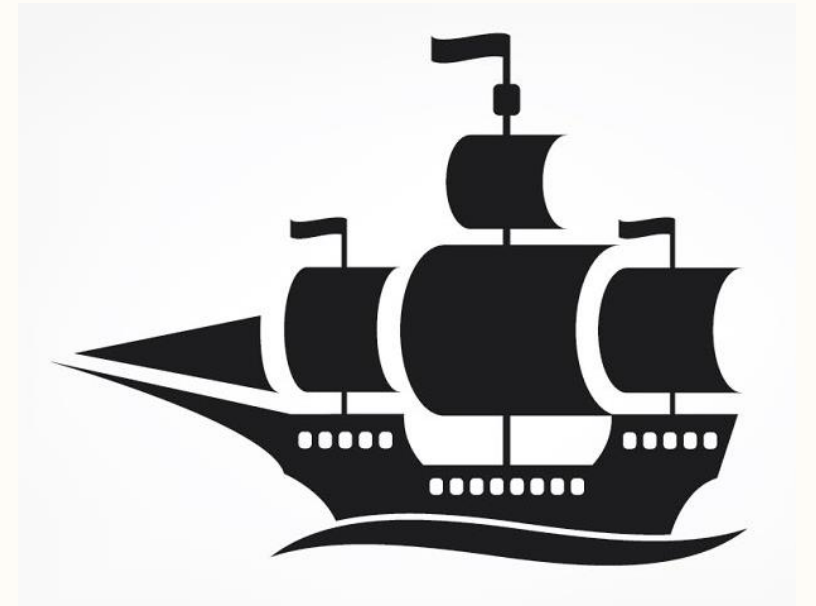
If used with Census data  
it would be very accurate



# Future Plans

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- Add more variation to the images for robust tests
- Add varying types of boats beyond commercial ones
- Change images to greyscale
- Alter more layers





Thank you for your time!

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