Date: 04/14/201

Group Members:

Sujoy

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Data:

1. Airbus Ship Detection

   https://www.kaggle.com/c/airbus-ship-detection/overview

2. HRSC 2016

   https://www.kaggle.com/guofeng/hrsc2016

Plan:

1. Find related papers and make a summary of the paper.

   A) FGSD: A DATASET FOR FINE-GRAINED SHIP DETECTION IN HIGH RESOLUTION SATELLITE IMAGES

   B) Airbus Ship Detection - Traditional v.s. Convolutional Neural Network Approach

   C) Satellite Image Classification with Deep Learning

2. Try to explore the datasets with EDA in notebook.
3. Share the analysis and make a decision.
4. Create a GitHub a repository.
5. Everyone should have their own branch.
6. We should create a folder to keep research paper notes.
7. Create one folder for data analysis.

Initial Goal:

1. Getting the data (4/14/2021)
2. Exploring the data (4/22/2021)
3. Apply Baseline analysis algo – SVM, RANDOM FOREST, Linear regression (4/29/2021)
4. Try to build the model – What are the hyperparameters are. (4/29/2021)
5. Image classifications, localization, object detection, segmentation, masking. (5/06/2021)
6. Do the comparative analysis. (05/10/2021)
7. Prepare the presentation. (05/12/2021)
8. Write the paper(05/18/2021)