Automatic identification of ships on satellite images

Final Project (DRAFT)

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Keyword: Imagine processing, machine learning, deep learning

**Introduction**

Goal Description

The goal of this project is to develop a system that identifies the status of the ship through the satellite image. Then, the system will generate some statistics figure that review the traffic status from a clearer view using visualization techniques.

**Background**

With the development of economy and commercial, there can witness a dramatic growth on the transportation, especially on the international shipping traffic. Indeed, this is beneficial to the cargo industry, but this brings series of challenge to this field. The increased number of ships may directly lead to a burgeon of infraction manner at public sea including ship accidents that causing environmental contamination, piracy in Gulf of Aden and illegal fishing of whales. These matters do great harm to the order of the transportation. Although, more and more satellite has been assigned to monitoring, unfortunately, the data are not fully exploited. There is still huge amount of intelligence to be recover.

**Design and Implementation**

**Method Discussion**

**Dataset Using** The data that will be used in this project comes from Airbus, the state-of-the-art aircraft manufacture, and published by kaggle.com, an online community of data scientists and machine learners owned by Google, Inc. Apart from these datasets, no more data will be collected for this project.

**Results and Discussion**

**Conclusion and Further Work**