

Literature Survey on Aircraft Classification Reflection

Peer: Jiawei Chen

Suggestion: Structural Changes; Addition of a new table for comparison of CNN/Deep Learning models.

As recommended, moving the “Datasets for Aircraft Identification” section toward the start of the document emphasizes datasets as a foundational element of machine learning. CNN/Deep Learning models would just be an entity in the whole system and is just a general concept. I, nevertheless, look forward to start implementing the top tier image processing techniques and models.

Peer: Yasmine Mary Bosco

Suggestion: No discussion on failure modes. To elaborate, the project aims to analyze false positives, false negatives, and reliability, but the survey does not discuss how these issues have been handled in previous studies. The paper, furthermore, lacks discussion on identification methods.

I have searched and added a paper that discusses more about failure modes. In my opinion, identification is a special case of classification. Classifying an object at a granular level is identification. Hence focusing primarily on classification should solve the problem

Peer: Sidharth Sandeep

Suggestion: Creation of a table to display the performance of different machine learning algorithms along with the metrics that have been applied to aircraft classification previously.

This was helpful to me since I do not only get an idea of the performance of different algorithms but also understand how one they compare to one another at a high level. However, while ML metrics are of great importance, I have not included the accuracy for most of my findings yet since I believe we are still in the early stage of project research. Instead, I included a Key Finding section from which the performance can roughly be sensed. With this, I will be able to proceed with a more flexible mind set.