Effective tool for engine design space exploration during the conceptual design phase.	Sensors can be used to predict	A portion of the data is selected and obtained, the next step is to process it. Follow the standard approach and test splits are selected and normalized.
Proposed analysis shows that XGBoost and LightGBM is a better choice for predicting the RUL	The main topics studied Where engine health monitoring, deep learning (DL) for anomaly detection, and aviation software simulation.	A review of state-of-the-art predictive maintenance techniques in use for aircrafts hydraulic system and engine has been explored in this work
LSTM based prognostics technique for aircraft fault prediction.The model is capable of correctly predicting engine behavior.	Backpropagation, dropout, RNN and LSTM to include the mathematical and historical line in the development of algorithms used in this work.	Proposed analysis shows that XGBoost and LightGBM is a better choice for predicting the RUL.