

The exploratory research method is the most ideal for my research proposal due to the fact that I am attempting to find levels of efficiency in fuel burn, the drag or wind resistance of aircraft and the level of serviceability or time in service of an aircraft when maintenance is achieved in a timely manner.

This will require the use of case studies and secondary research sources due to the lack of availability of results from aircraft manufacturers, furthermore the use of both qualitative and quantitative research would be ideal due to the combination of factors that are under review. Specifically, the efficiency and drag levels of the aircraft will have quantitative research while the qualitative research will count for the review of maintenance completed and serviceability of the aircraft.

I will need to develop my critical thinking as well as my ability to find relations between any variables.