

A blurred image of an airplane in flight against a sunset sky. The airplane is centered horizontally and slightly above the middle vertically. The sky transitions from a pale blue at the top to a warm orange and yellow at the bottom. The airplane's wings and tail are visible, though out of focus.

AI IN AVIATION INDUSTRY

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WHAT IS AI

- simulation of human intelligence process
 - ✓ learning
 - ✓ reasoning
 - ✓ self-correction
- part of the Fourth Industrial Revolution

TICKETING SYSTEMS

- great candidate for AI-based algorithms
- saves money while providing better service to customers



FLIGHT MAINTENANCE



- cancellations and delays are expensive
- AI-based predictive analytics

AVOIDANCE SYSTEMS

- TCAS (traffic collision avoidance system)
- MTCD (medium term conflict detection)



FUEL EFFICIENCY



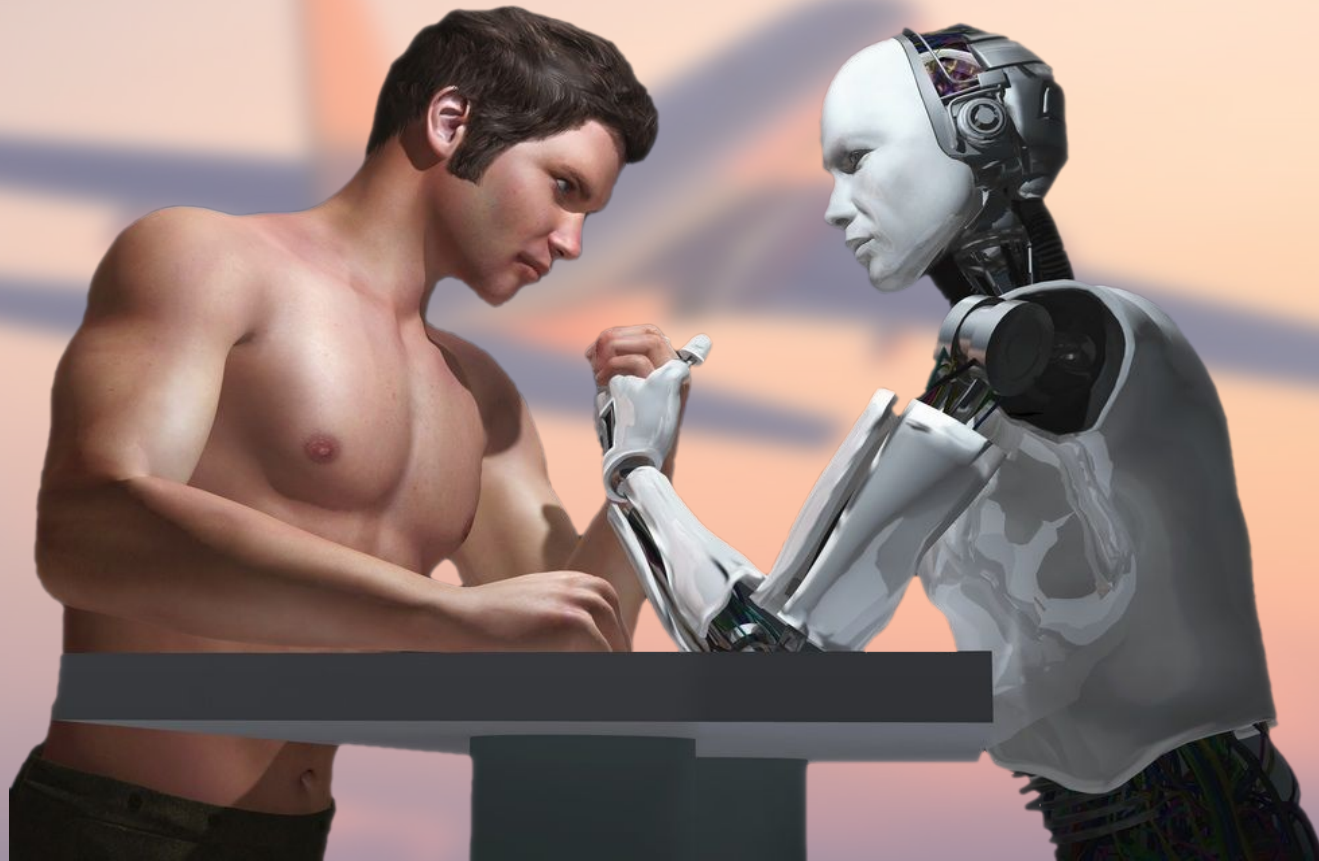
- decreasing fuel waste
- determine the optimum amount of fuel

CREW MANAGEMENT

- missing crew members can have ripple effects
- better management of crew assignments



AI VS MAN



A blurred image of an airplane flying across a sunset sky. The sky transitions from a pale blue at the top to a warm orange and red near the horizon. The airplane is positioned in the center, with its wings and tail visible, though out of focus.

THANK YOU FOR
YOUR ATTENTION