

## **Social or Business impact:**

The social and business impact of flight delay prediction using machine learning (ML) can be significant

From a social perspective, flight delay prediction can help improve the travel experience for passengers. By providing accurate and timely predictions of flight delays, passengers can make more informed decisions about their travel plans and potentially avoid delays or missed connections. This can lead to a reduction in travel-related stress and inconvenience.

From a business perspective, flight delay prediction can help airlines and airports improve their operations and reduce costs. By identifying and addressing the factors that contribute to flight delays, airlines and airports can take proactive measures to mitigate the impact of delays. This can lead to improved on-time performance, which can help airlines and airports attract and retain customers and increase revenue. Additionally, flight delay prediction can help airlines and airports optimize their staffing and resource allocation, resulting in cost savings.