

TeamId: PNT2022TMID36161

Project : Applied Data Science

Developing a flight delay prediction model using Machine learning

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- Many factors can come into play when a traveler chooses a flight. At Amadeus, we know that price is one of the main factors, but we also wondered what other criteria might be relevant?
- Flight delays and cancellations are two of the most common travel headaches, but what if you could know in advance the probability of a flight being delayed? Would you still book it? What if it was a connecting flight?
- Knowing the probability of flight delay or cancellation is a crucial tool for travelers, so we set about creating a **model to predict long-term flight delays**. Rather than looking at disruptions caused by punctual factors like weather, we wanted to see which flights and itineraries had the highest probability of delays or cancellations over time