

## PROJECT PROPOSAL – TEAM 7

### **Problem Statement:**

We wish to assess the viability of a short-term trading strategy for airline stocks based on knowledge of upcoming events and weather conditions.

### **Key Questions:**

- Are cancellations/delays that occur on event days more likely to depress stock price/returns than cancellations/delays that occur on non-event days?
- Do weather conditions at scheduled departure influence the probability of having cancellation/delays and/or the severity of delays?
- Are certain companies better/worse at navigating bad weather on event days i.e. do they cancel less/more flights than their peers?

### **Dataset Used:**

- Airlines
- Traffic
- Stock
- Events
- Weather