

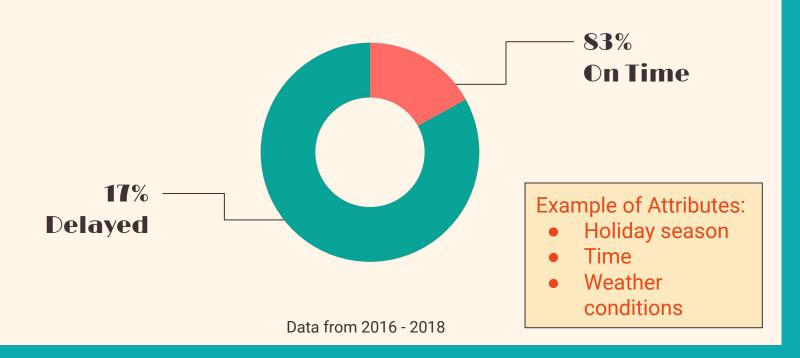
# Context & Background

- Flight Delays
- Model as ATC Supplemental Planning Toll





#### **Data Breakdown**



### **Process Outline**

01

**Data Pulling** 

02

**Data Processing** 

O3 Model Exploration

04

**Finalizing Model** 



# **Initial Model Comparison**



NN - .2

Random Forest - .01

• Logistic-.3

# Final Logistic Model



• Precision: .23

Recall: .69

• F1:.35

Weighted Classes [1:5.3]

#### **Test Predictions**



**Flight #3332** 

**SkyWest Airlines** 

Severe Weather

T/F



**Flight #609** 

American

**Light Weather** 

F/F



**Flight #2303** 

Delta

**Light Weather** 

T/T



#### **Future Work**

Do you know what helps you make your point clear? Lists like this one:

- They're simple
- You can organize your ideas clearly
- You'll never forget to buy milk!

And the most important thing: the audience won't miss the point of your presentation