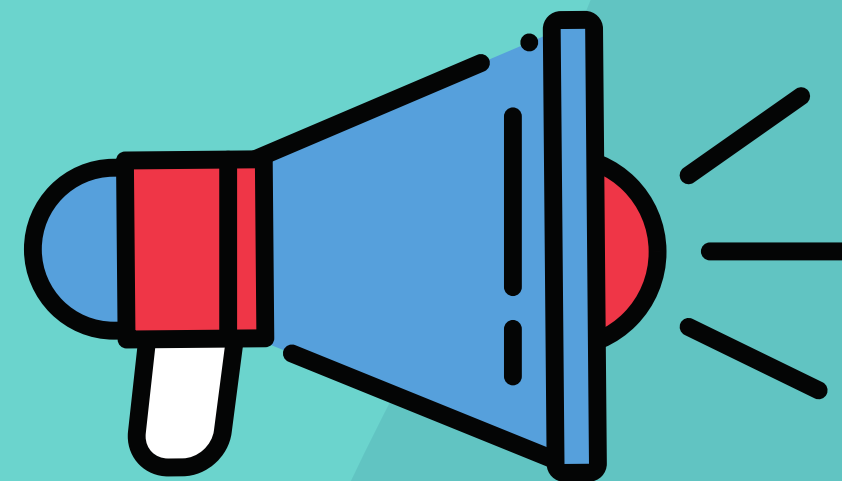


# RAIN PREDICTION MODEL

BY HANS WALTER

# WHY?



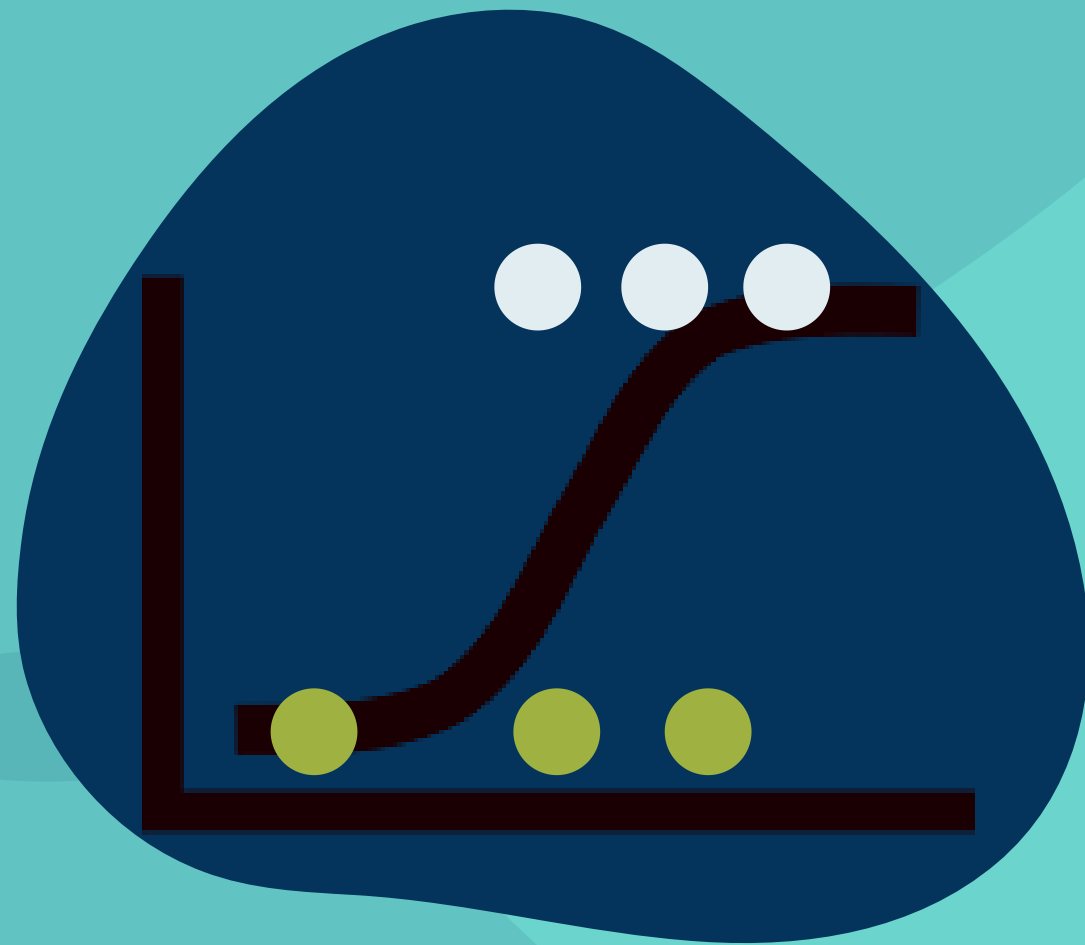
# CONTEXT



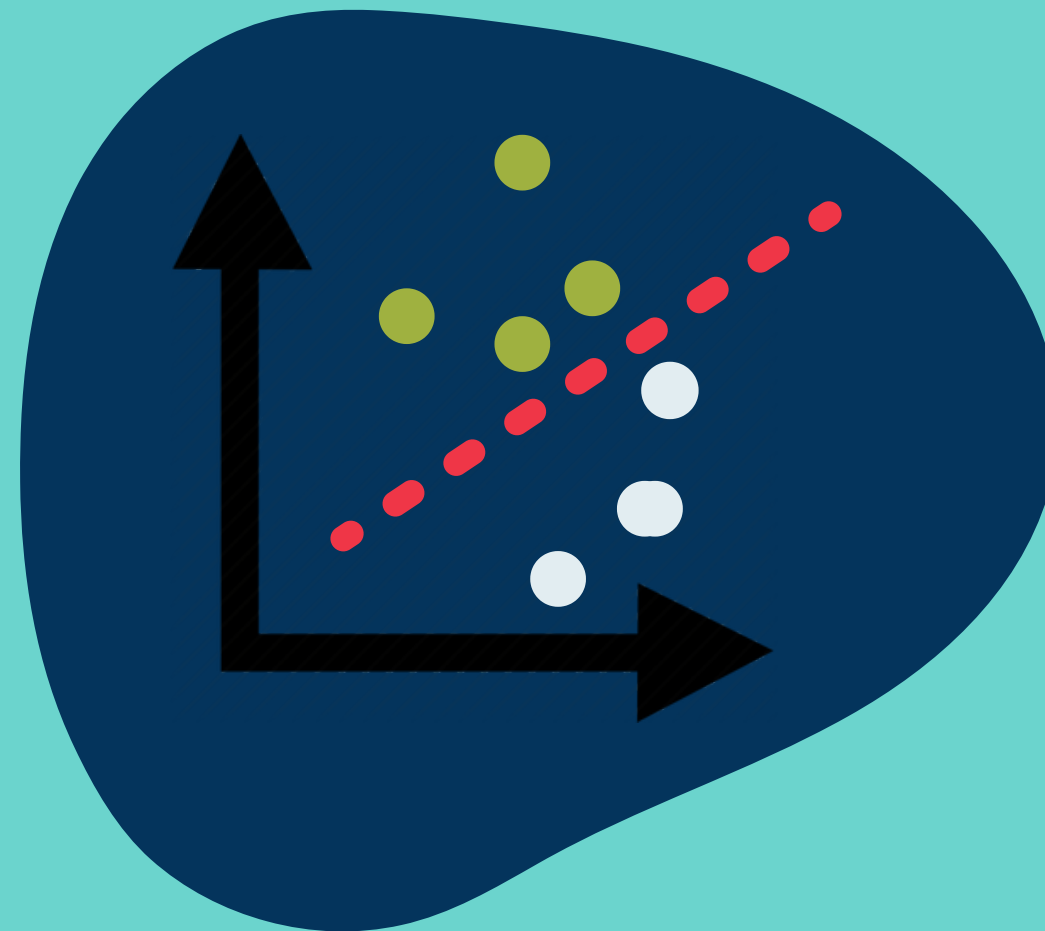
## DATA

- Wind Direction and Speed
- Humidity
- Pressure
- Location

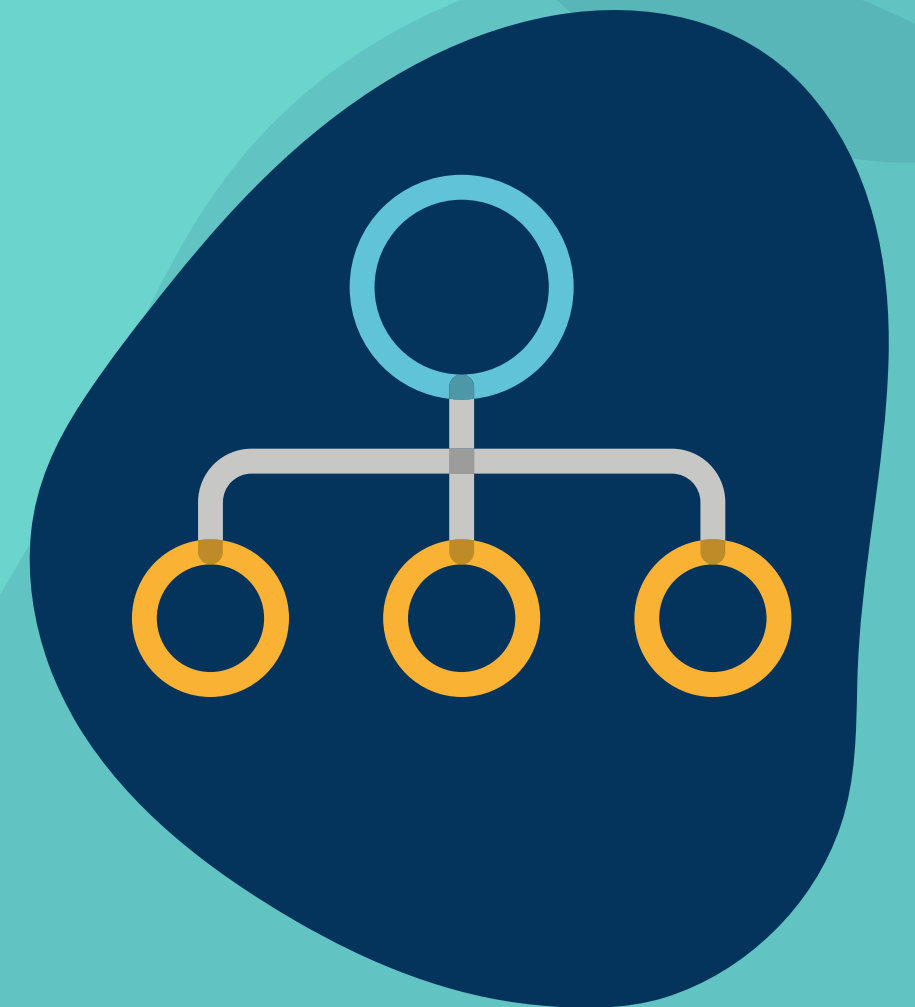
# • MODELS



LOGISTIC  
REGRESSION



LINEAR SVC



DECISION TREE

# PARAMETERS



Cross-Validation /  
K-Folds



C Parameter



F1 Score

# RESULTS

**LOGISTIC  
REGRESSION**

**F1 SCORE:  
59%**



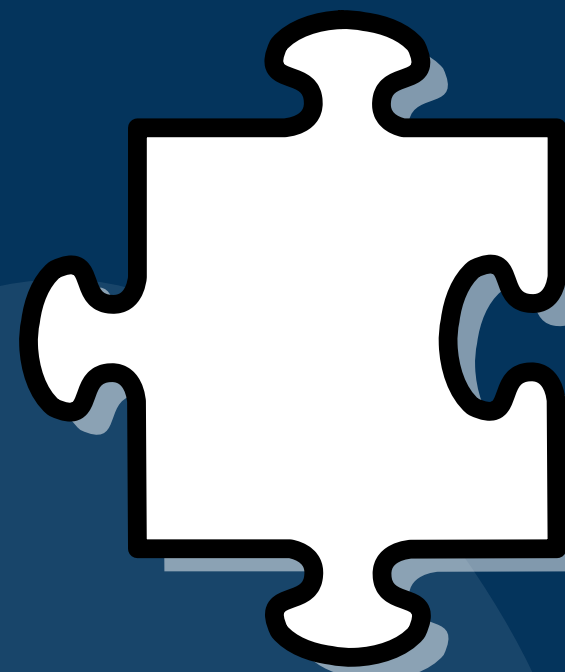
**LINEAR SVC**

**F1 SCORE: 58%**



**DECISION  
TREE  
CLASSIFIER**

**F1 SCORE: 57%**



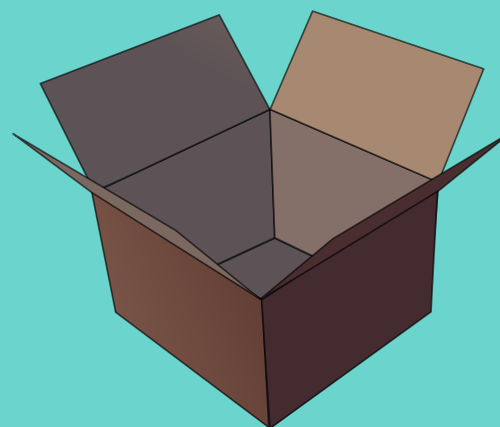
# ● CONCLUSIONS



**UNPREDICTABLE  
WEATHER / CONTEXT**



**TOO MUCH INFO**



**MISSING IMPORTANT  
VARIABLES**

# RECOMMENDATIONS



COMPUTATIONAL POWER



RESTATE QUESTION /  
CONSIDER ALTERNATIVES



TIME TO PROCESS MORE  
PARAMETERS



SELECT ANOTHER TESTING  
GROUP/COUNTRY