# SQL-API PROJECT

by

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#### Hurricane Harvey



#### **HURRICANE HARVEY**

- Formed 17 August 2017
- Dissipated 02 September 2017
- Texas and Louisiana
- Highest wind 130 mph (215 km/h)
- Wettest tropical cyclone on record in the United States

Source:

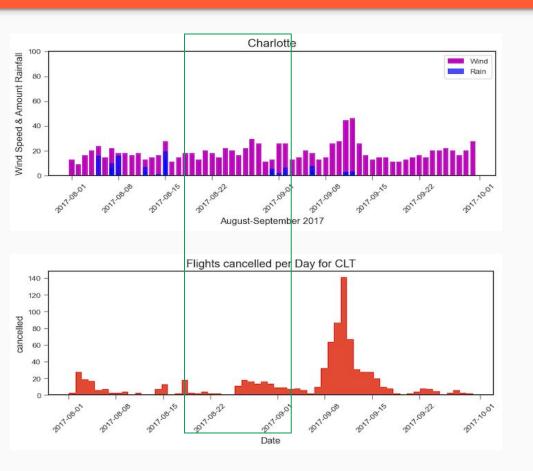
 $https://upload.wikimedia.org/wikipedia/commons/0/04/Harvey\_2017-08-25\_2231Z.png$ 

# Hypotheses

#### Hypotheses

- 1. Can we see hurricane Harvey in the weather and flights data?
- Can we see that flights to Houston got cancelled?
- 3. Can we see cancelled flights on days before and after the hurricane?

Can we see hurricane Harvey in the weather & flights data?



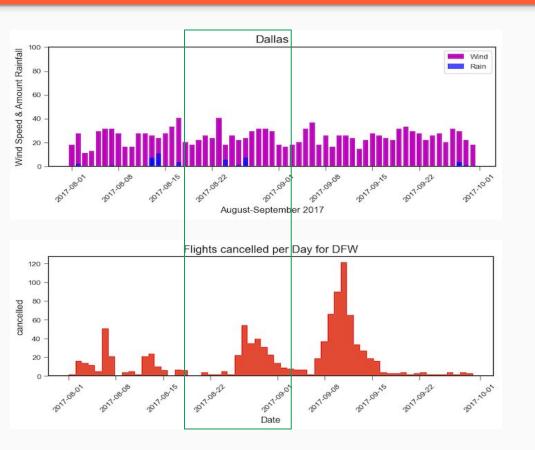
#### **CHARLOTTE - North Carolina**

Wind: ~ 20-30 mph

Rain: no rain

Flights: less cancelled flights





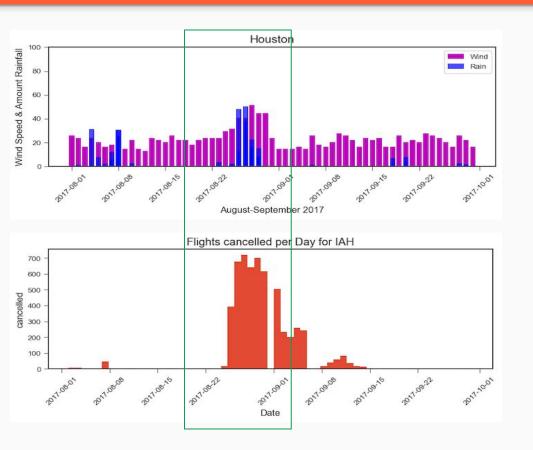
#### **DALLAS - Texas**

Wind: ~ 30-40 mph

Rain: less rain

Flights: 40-60 cancelled flights





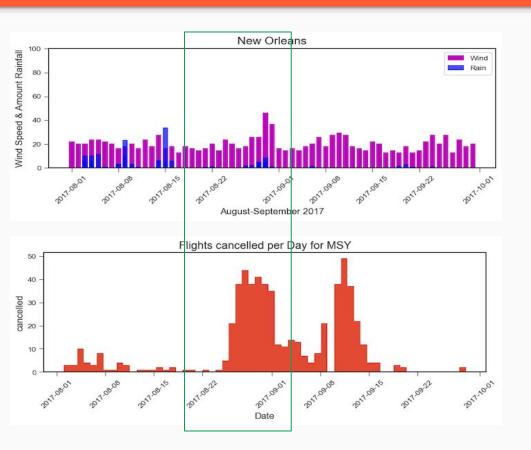
#### **HOUSTON - Texas**

Wind: ~ 50-60 mph

Rain: heavy rain

Flights: over 600 cancelled flights





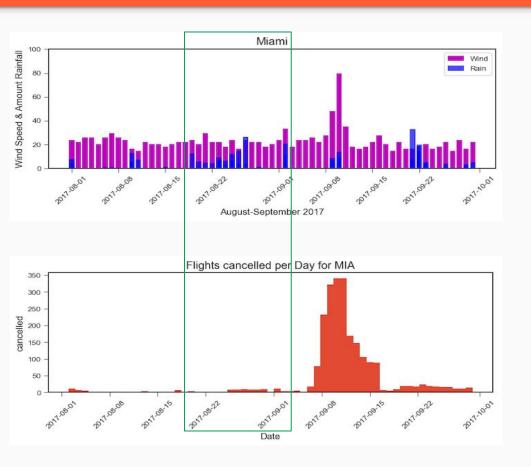
#### New Orleans - Louisiana

Wind: ~ 20-40 mph

Rain: less rain

Flights: 40-50 cancelled flights





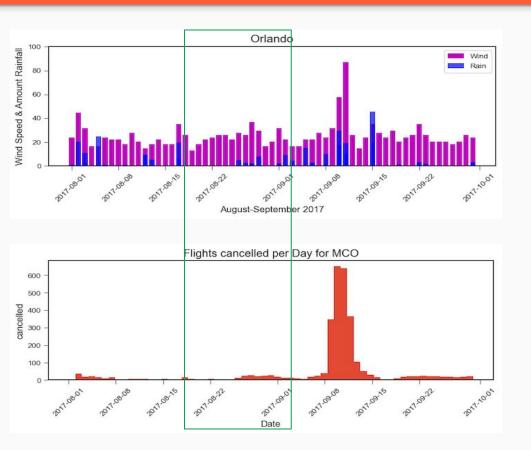
#### MIAMI - Florida

Wind: ~ 30-40 mph

Rain: rain

Flights: less cancelled flights





#### <u> Orlando - Florida</u>

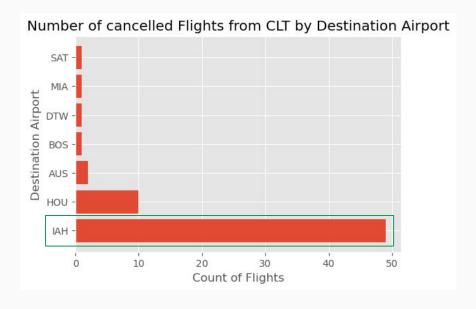
Wind: ~ 30-40 mph

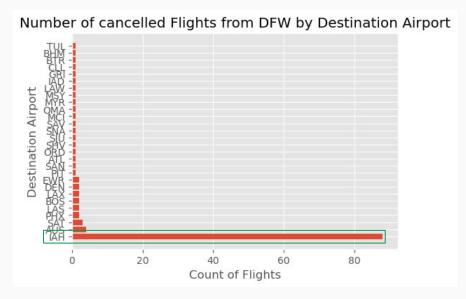
Rain: less rain

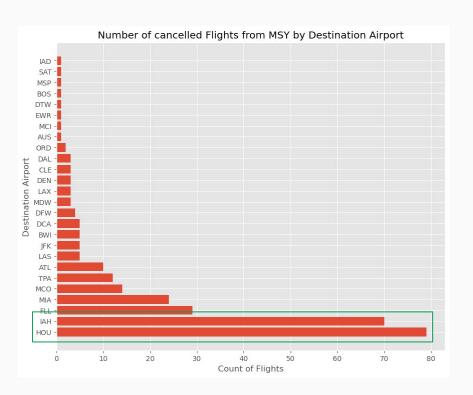
Flights: 40-60 cancelled flights

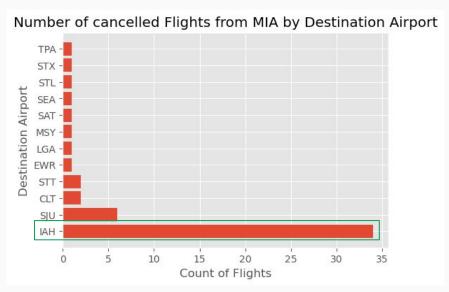


Can we see that flights to Houston got cancelled?

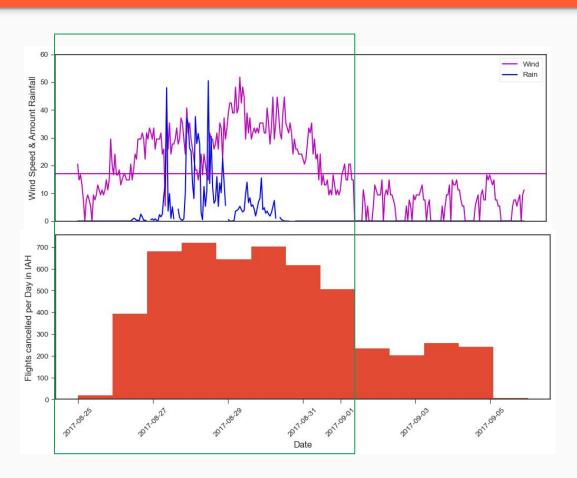








Can we see cancelled flights on days before and after the hurricane?

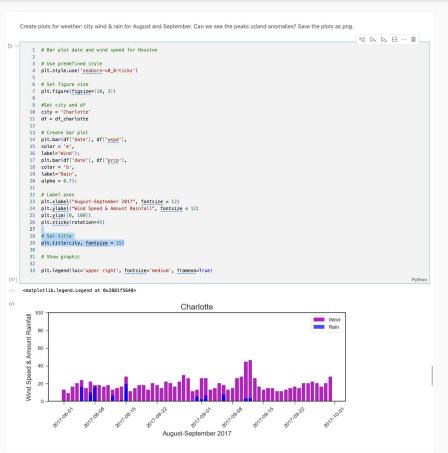


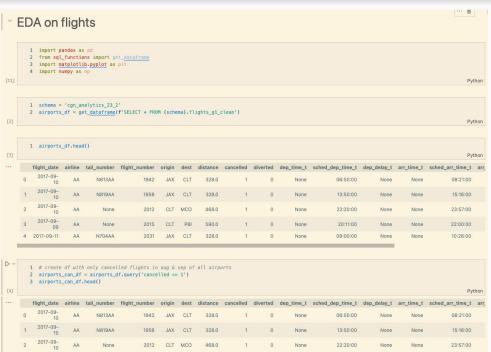
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- 1. Can we see hurricane Harvey in the weather and flights data? **CONFIRM**
- 2. Can we see that flights to Houston got cancelled? **CONFIRM**
- 3. Can we see cancelled flights on days before and after the hurricane? **CONFIRM**

# **Technical Overview**

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# Thank you for your attention!

Any questions?