

# WELCOME

**PROJECT SQL//API**

Musa/ Benni/ Malte/ Nina

04TH OCTOBER 2022



# HURRICANE IDA

A satellite image of Hurricane Ida, showing a well-defined eye and a dense, swirling cloud structure. The hurricane is positioned over the Gulf of Mexico, with the state of Florida visible on the right side of the image. The land is shown in shades of brown and green, while the ocean is dark blue. The hurricane's clouds are bright white, contrasting sharply with the darker background.

26th Aug – 1st Sept 2021

29 Aug 2021 17:01Z NOAA/NESDIS/STAR GOES-East ABI GEOCOLOR



# WORKFLOW

> 1. Import all Package we need

3 cells hidden ...

> 2. Import Meteostats and Transstats datasets

24 cells hidden ...

> 3. Flatten Jsons

7 cells hidden ...

> 4. Connect Meteotables to PostgreSQL

8 cells hidden ...

> 5. Work in SQL

1 cell hidden ...

> New Data Tables

15 cells hidden ...

> Time to plot:

4 cells hidden ...

> Our Hypotheses:

- 1. Can we see Hurricane Ida within the weather datasets?
- 2. Can we see Hurricane Ida within the flights datasets?
- 3. Can we see a correlation between them?

3 cells hidden ...

> Detailed Analysis:

Let's have a closer look at

- New Orleans msy
- New York jfk
- Newark ewr

7 cells hidden ...



# HYPOTHESES

#1 CAN WE SEE HURRICANE IDA IN THE WEATHER DATA?

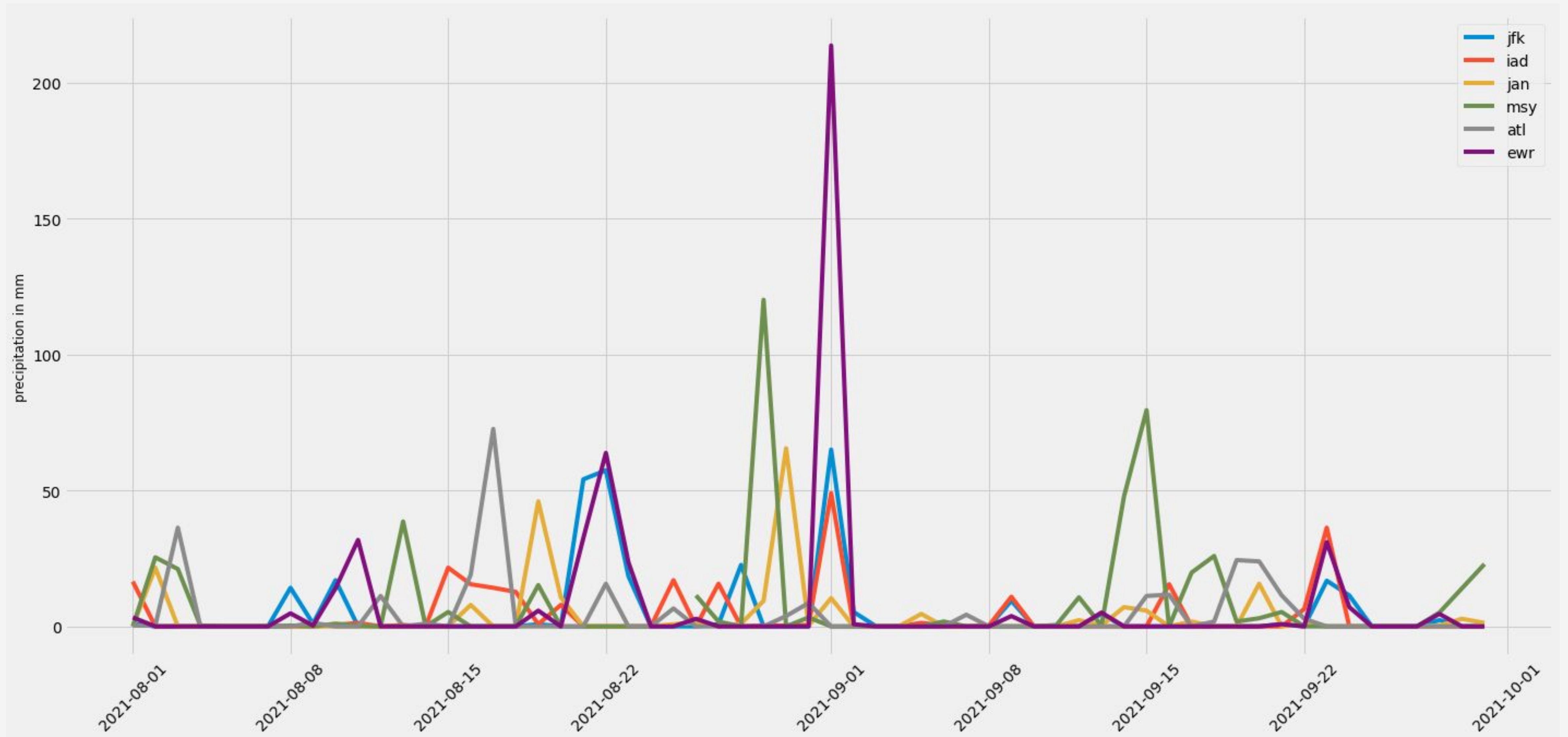
#2 CAN WE SEE HURRICANE IDA IN THE FLIGHTS DATA?

#3 CAN WE SEE A CORRELATION BETWEEN THEM?

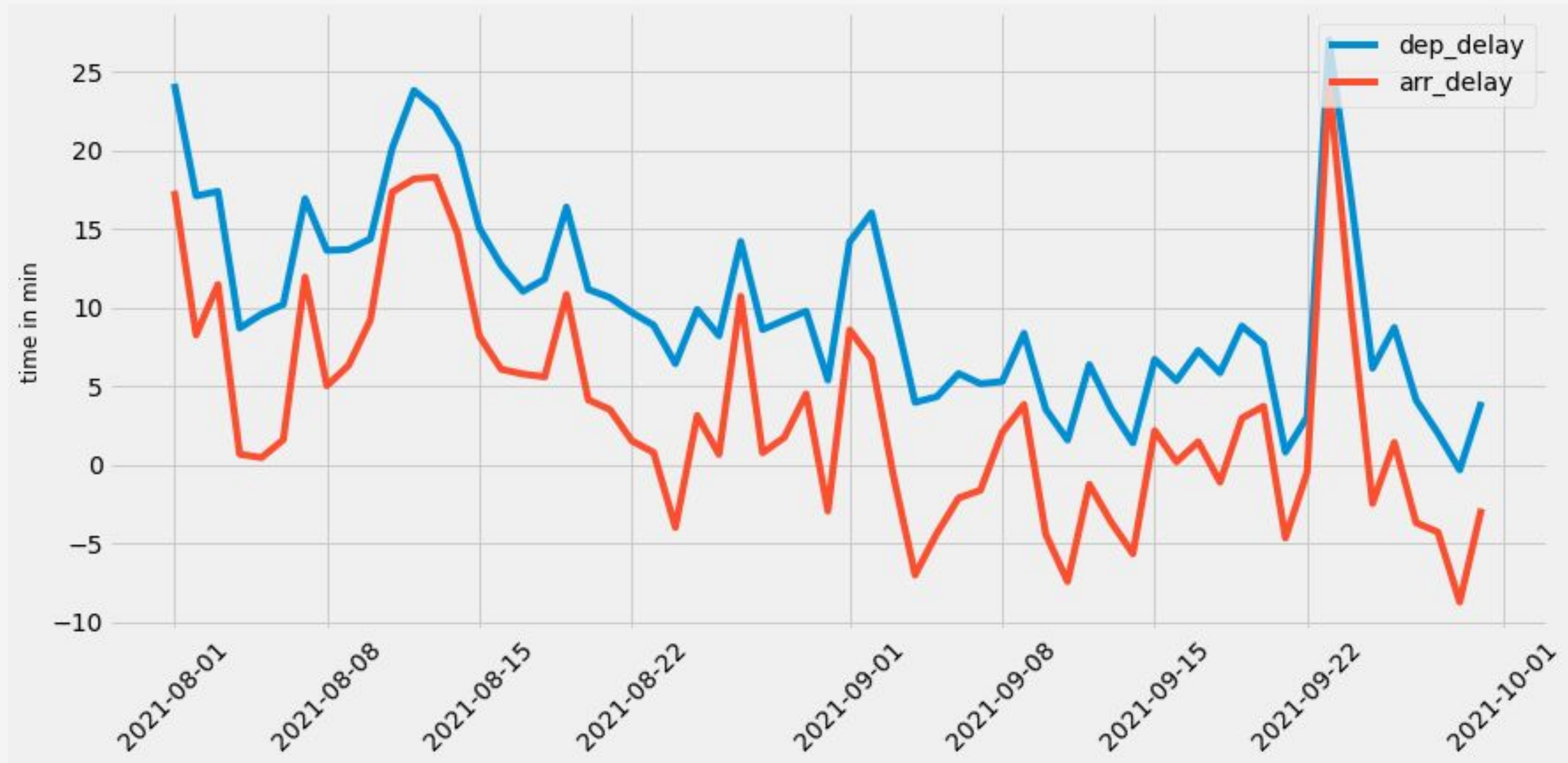




# RAINFALL

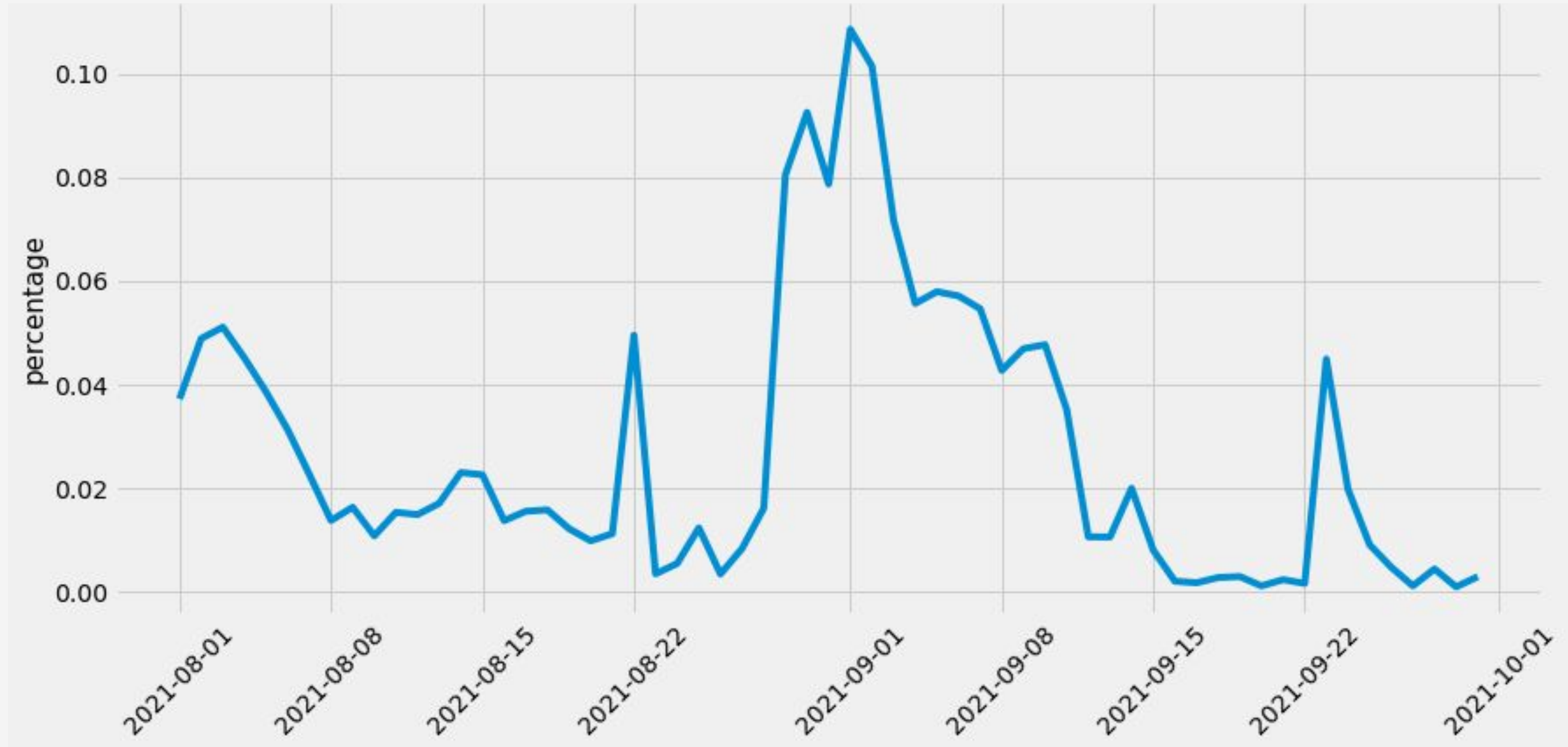


# TOTAL FLIGHT DELAYS





# TOTAL FLIGHT CANCELLATION





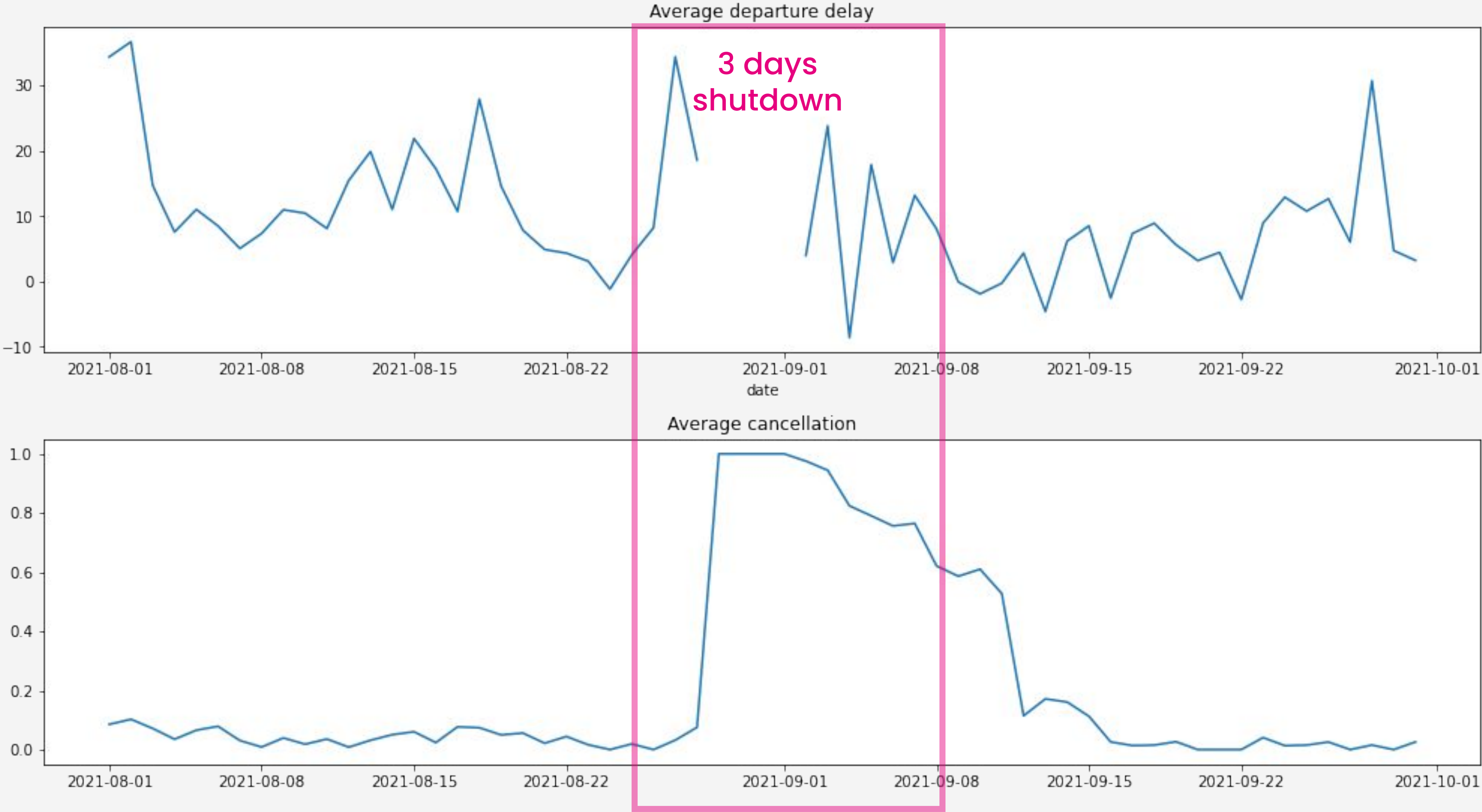
# DETAILED ANALYSIS

- New Orleans MSY
- New York JFK
- Newark EWR



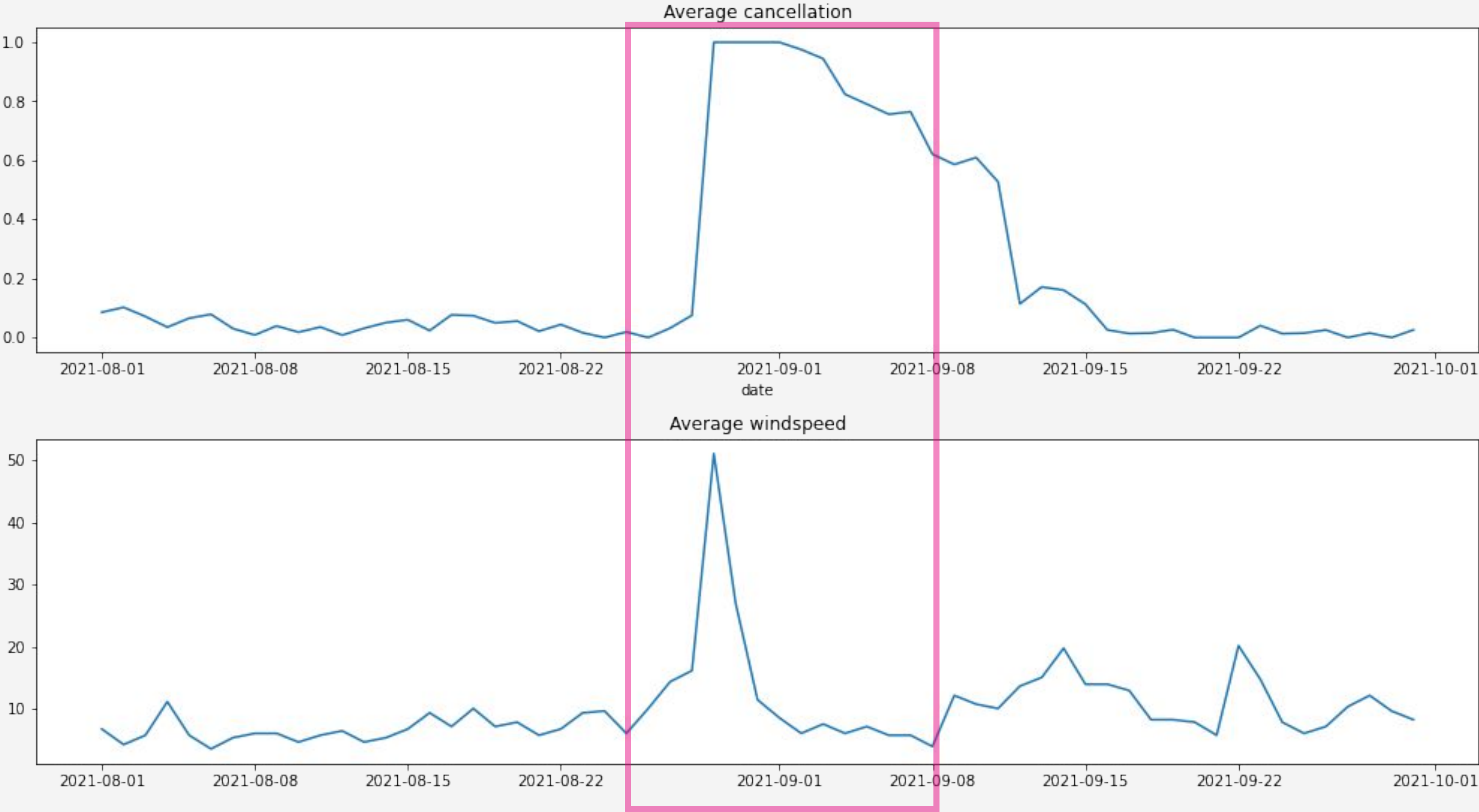


# NEW ORLEANS DEPARTURE DELAY AND CANCELLATION



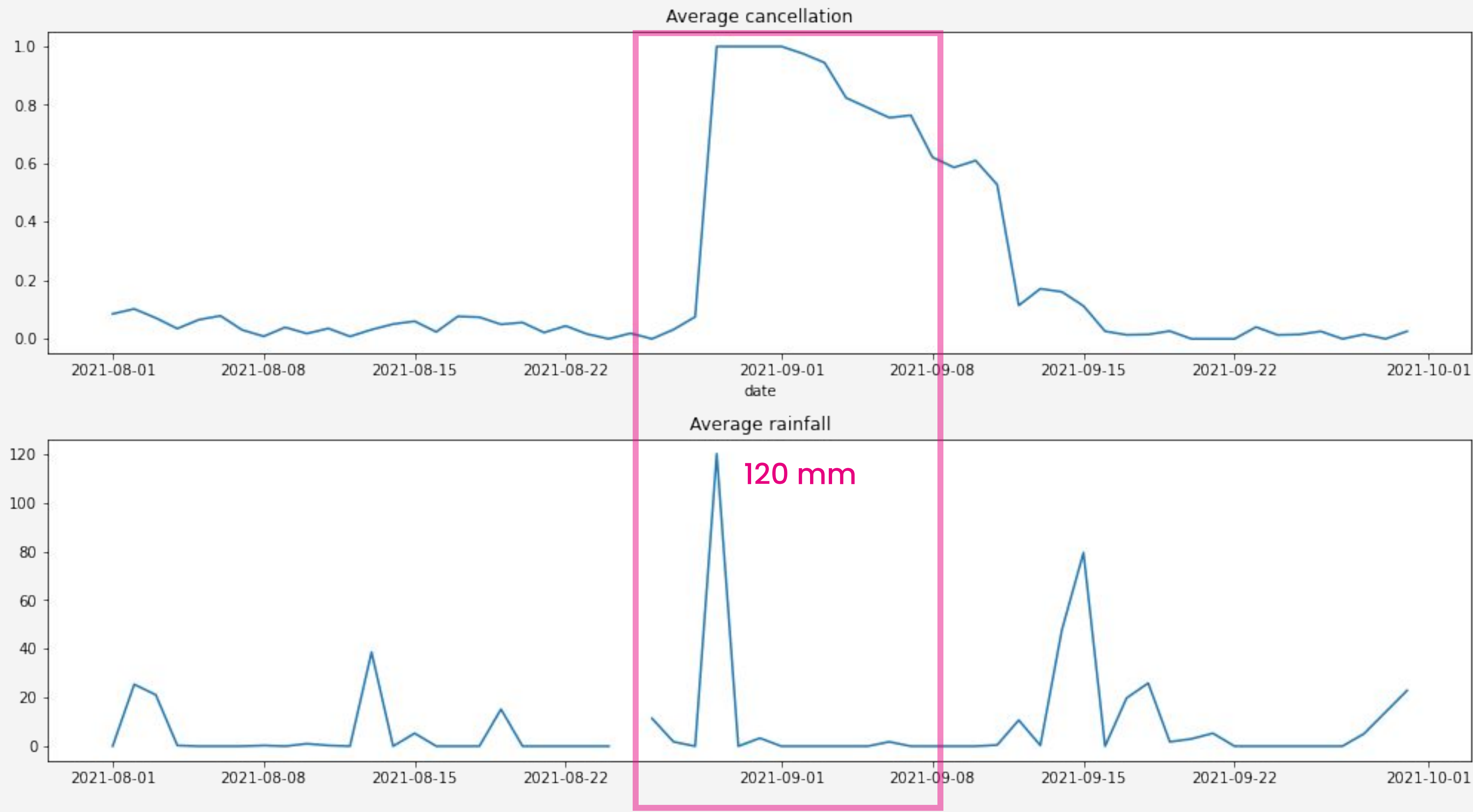


# NEW ORLEANS CANCELLATION AND WINDSPEED



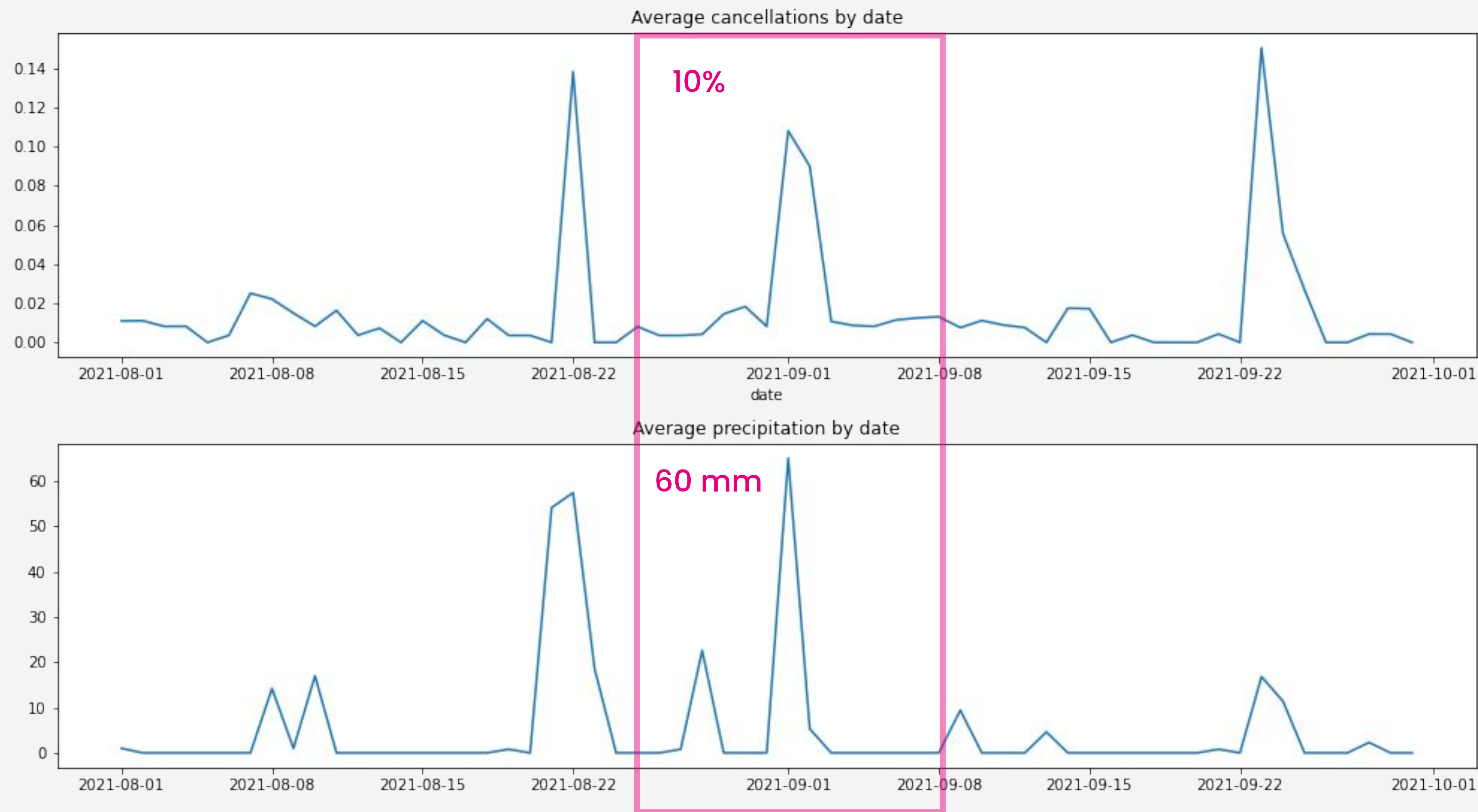


# NEW ORLEANS CANCELLATION AND RAINFALL



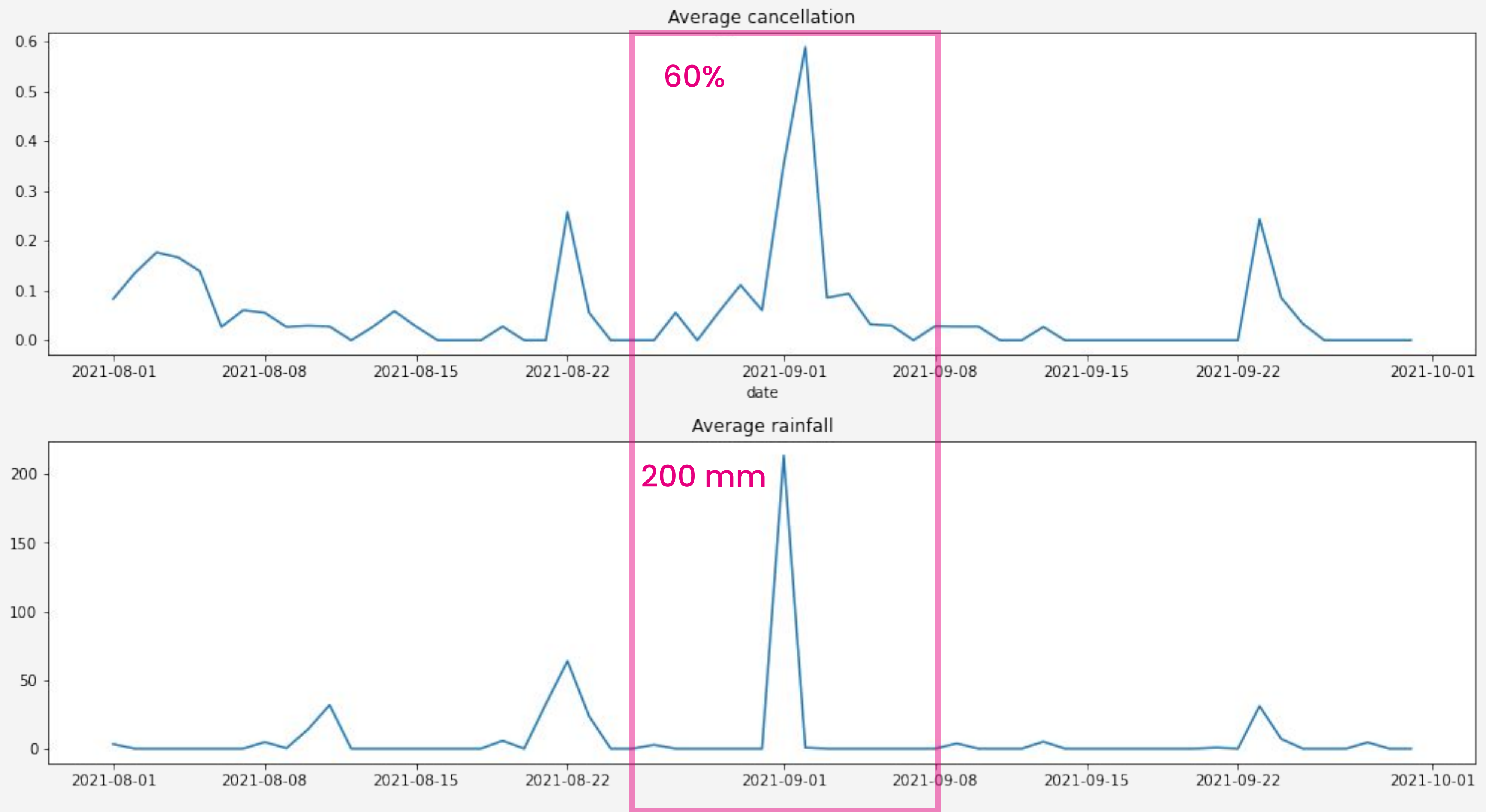


# NEW YORK CANCELLATION AND RAINFALL





# NEWARK CANCELLATION AND RAINFALL





A man in an orange jacket and khaki shorts is hanging from a metal signpost, looking back with a shocked expression. A person in a blue raincoat is filming him with a smartphone. The background shows a stormy sea with waves crashing against wooden posts.

# BYEBYE.

**PROJECT SQL//API**

Musah/ Benni/ Malte/ Nina

04TH OCTOBER 2022