

# ***DRIVE AND SURVIVE***

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Analyzing the Environmental Impact:  
Air Pollution in Formula One Racing

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# Scope:

## Air pollution around formula one events

# Hypotheses:

- The pollution from formula one races is measurable
- formula one cars are not the biggest problem regarding air pollution



# Ressources

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## F1 API: Ergast

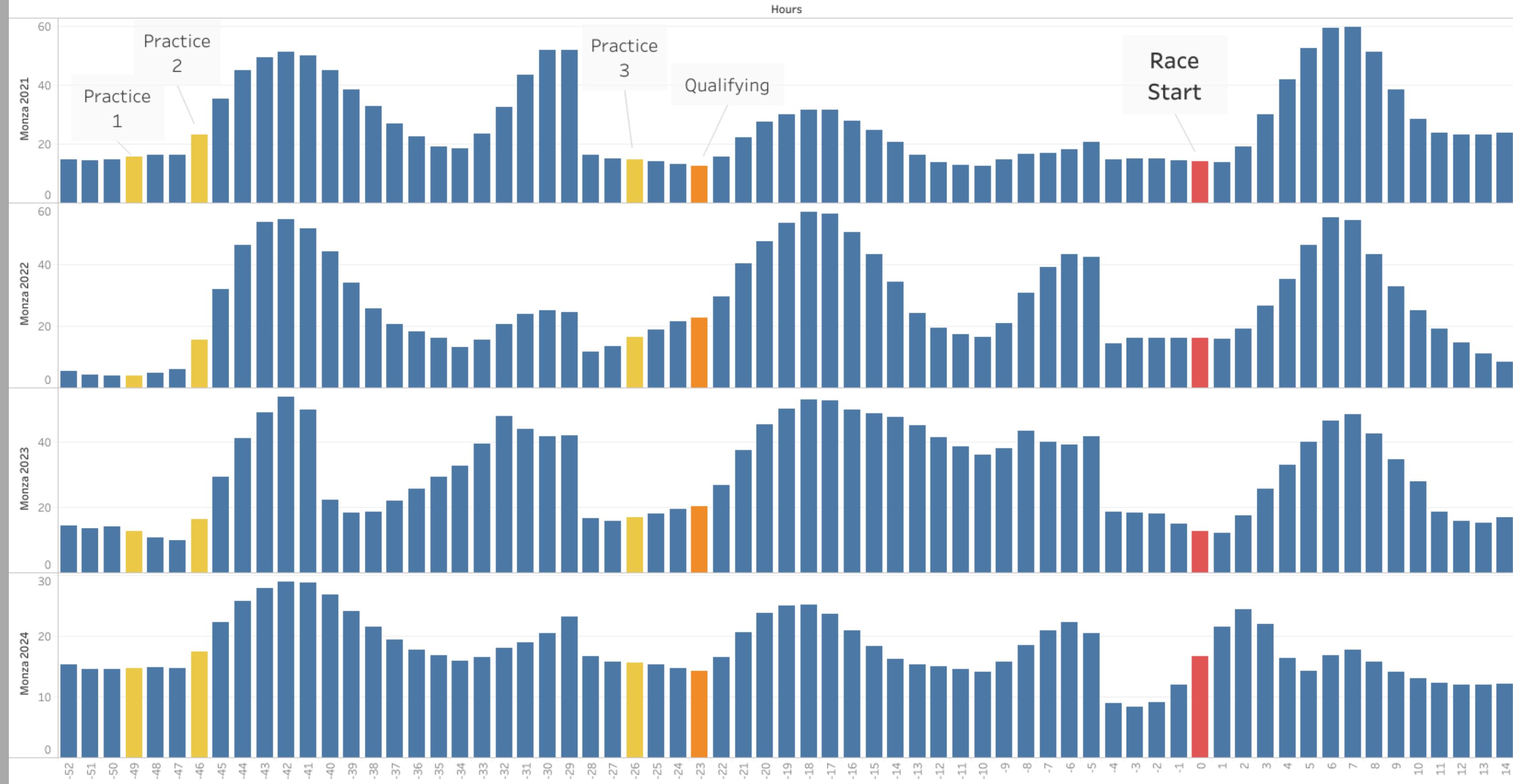
- Race locations
- Coordinates
- Date / Time

## Air Pollution: Open Weather Map

- Air Quality Index
- PM 2.5
- PM 10

# Insights and patterns discovered

Comparison Monza season 2021 - 2024



# Major Obstacles



identify data to work with  
(choose from big pile of data)



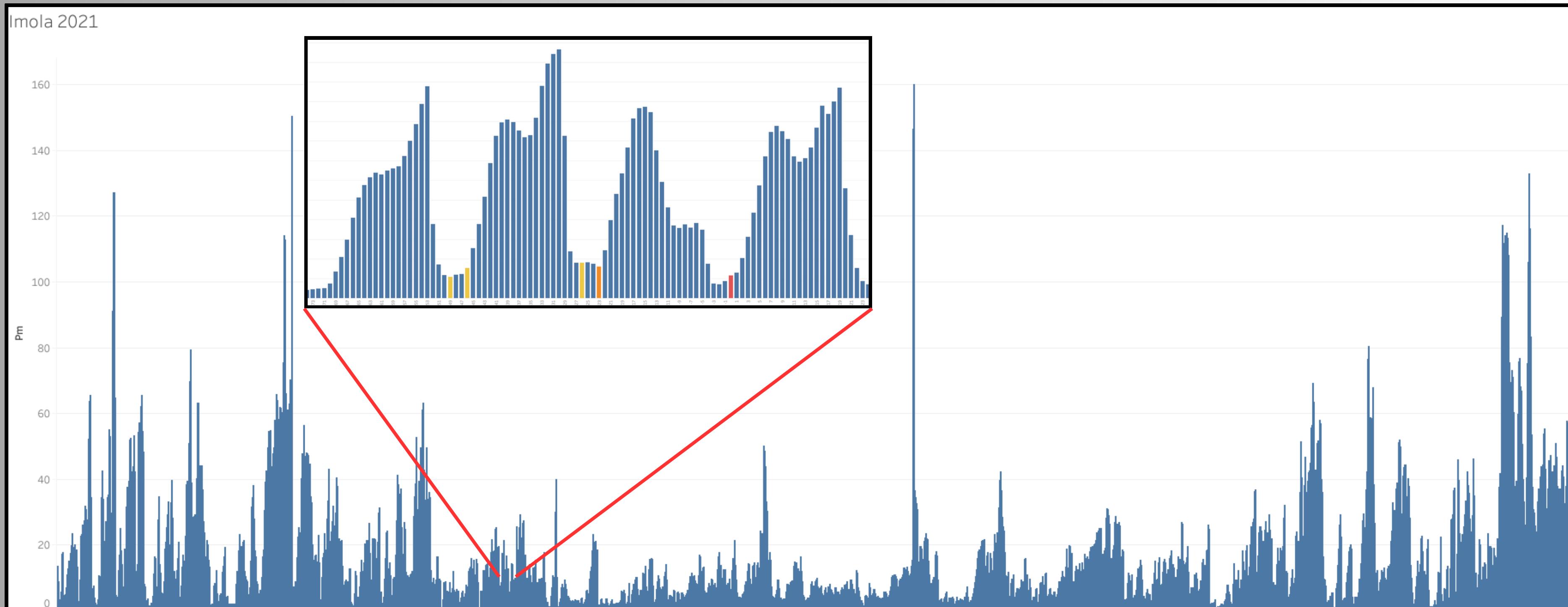
heat map: too few data  
measuring points



getting historical weather and  
traffic data

## Hypotheses:

1. The pollution from formula one races is measurable
2. formula one cars are not the biggest problem regarding air pollution



# Air pollution and Formula 1 additional aspects

- inefficient race calendar (geographically)
- New engines in 2026
- huge circus with material and visitor transport



# FINISH

Questions?