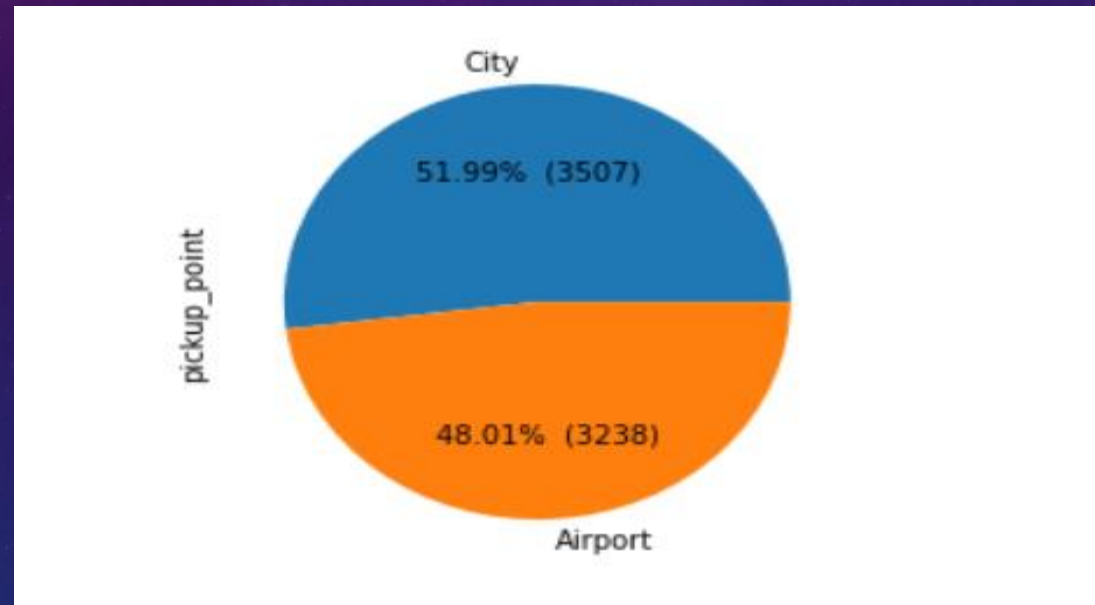


The background is a dark blue gradient with a subtle pattern of white dots. Overlaid on this are several white geometric elements: a large circular scale on the left with markings from 140 to 260, and several smaller concentric circles with arrows indicating clockwise or counter-clockwise movement. The main title is centered in a large, white, sans-serif font.

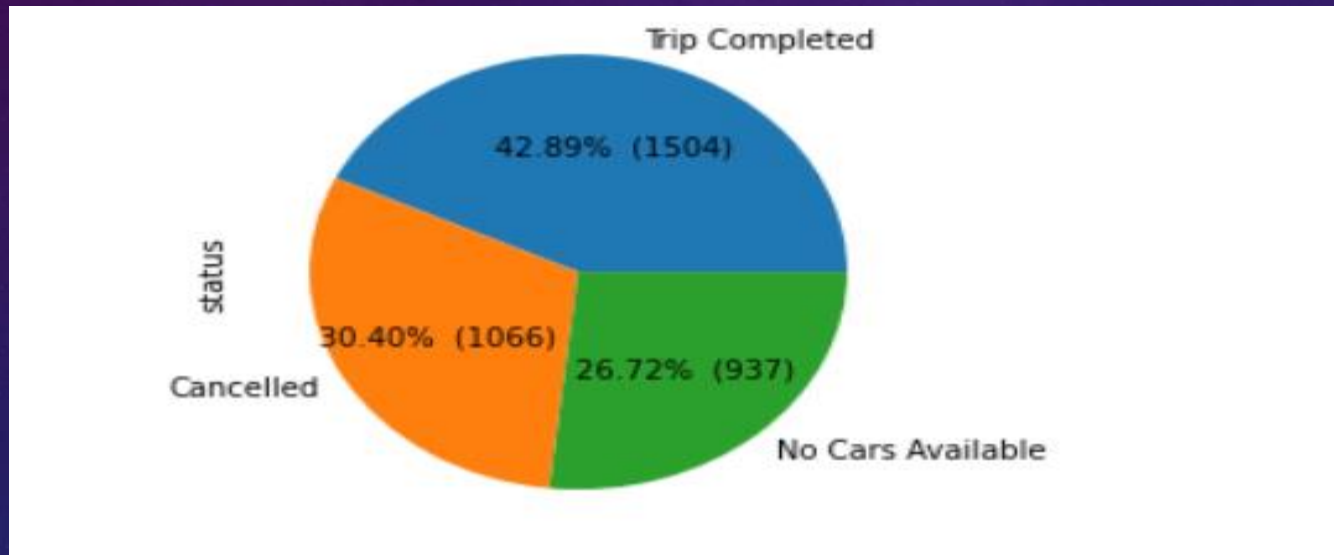
# UBER SUPPLY-DEMAND GAP

FROM – DEEPAK SINGH PANWAR

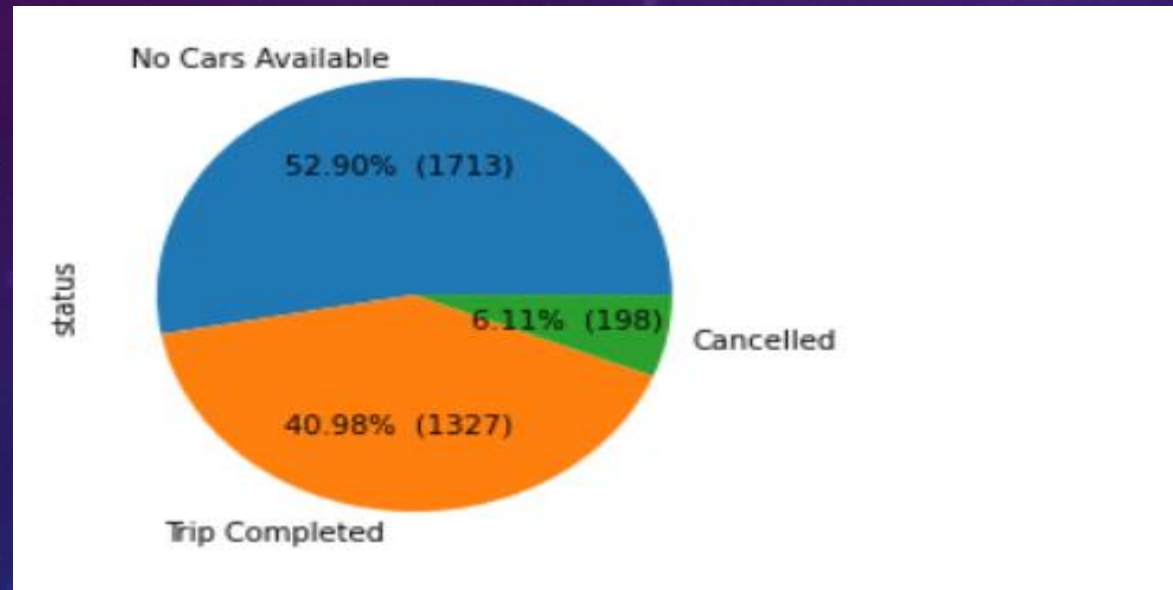
# RIDES BEING REQUESTED IN EACH PICKUP POINT



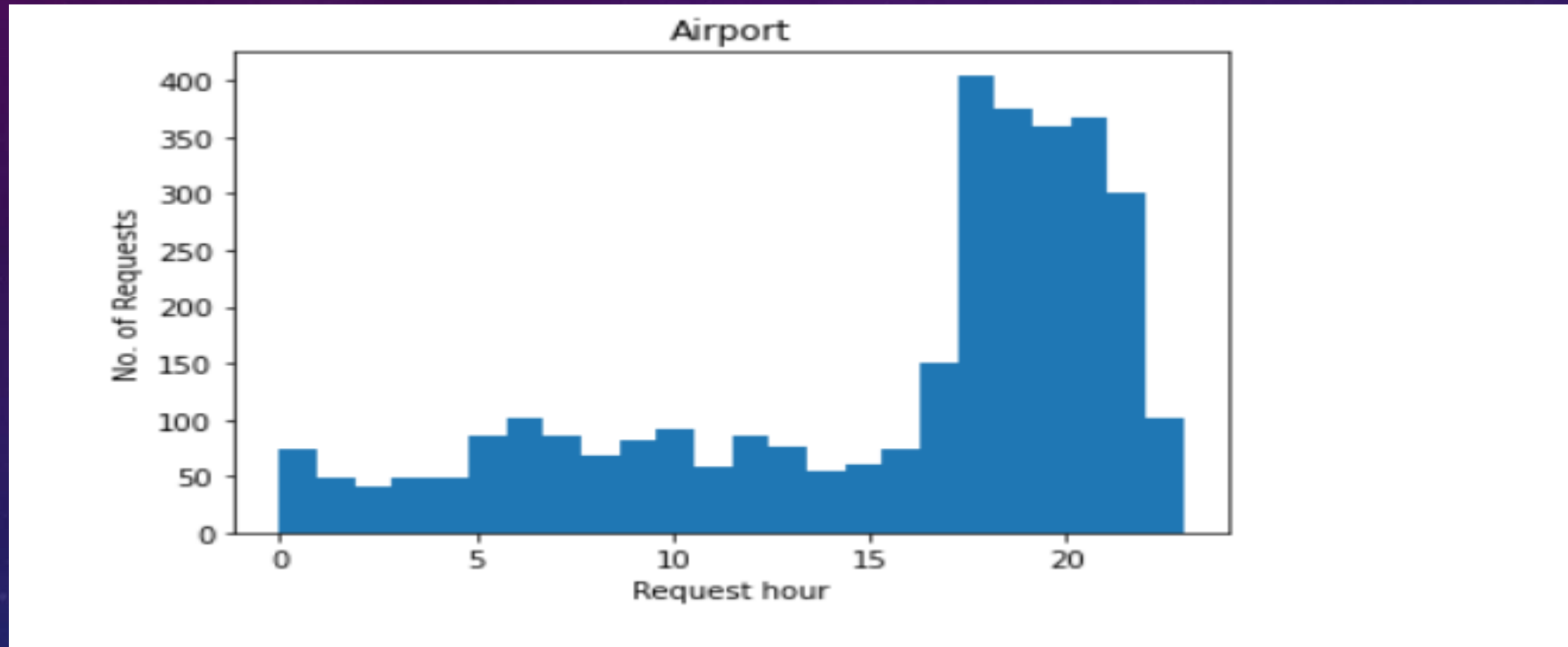
SINCE OUR DATASET CONCENTRATES ON RIDES FROM AND TO THE AIRPORT WE SEE THAT THE REQUESTS MADE FROM CITY TO AIRPORT IS SLIGHTLY HIGHER



MOST OFTEN CARS ARE NOT AVAILABLE WHEN REQUESTED FROM THE AIRPORT MOST RIDES THAT GETS CANCELED ARE FROM CITY WHERE AS THE RATE IS MUCH LOWER FOR THE REQUESTS MADE FROM AIRPORT

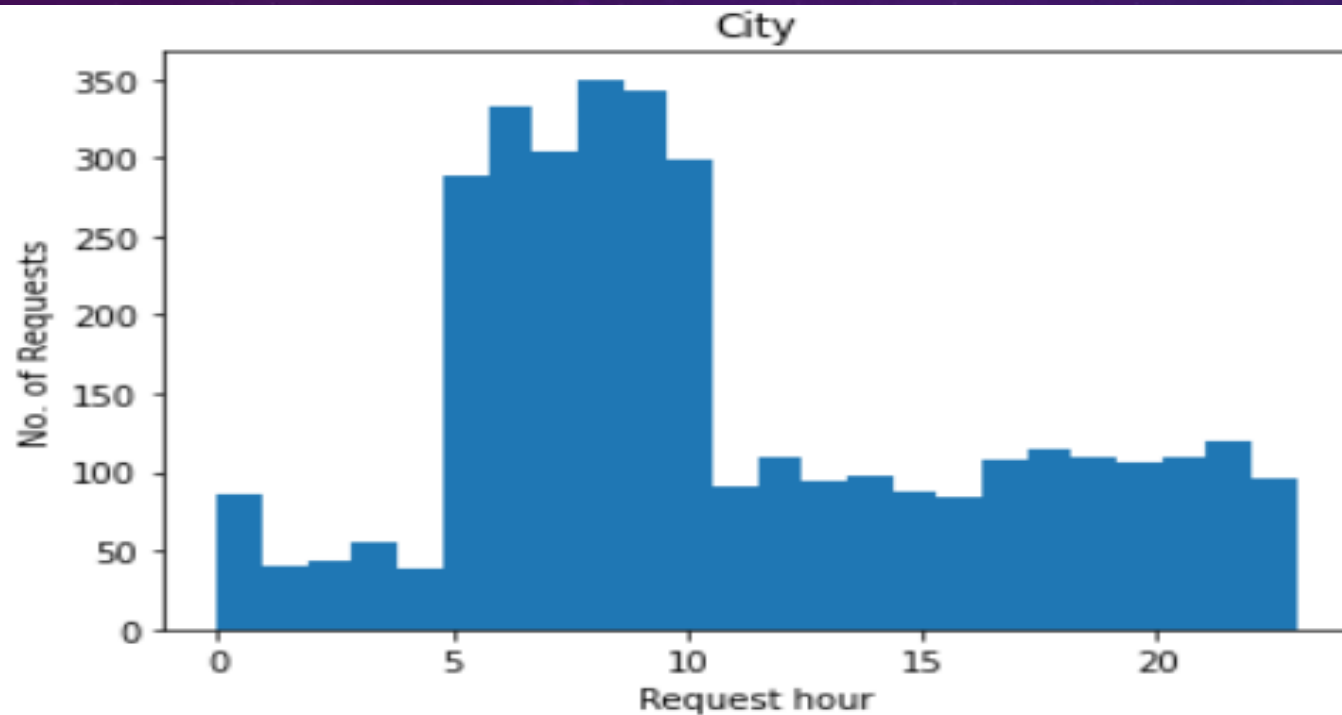


# REQUESTS MADE ON VARIOUS DAYS AND TIME

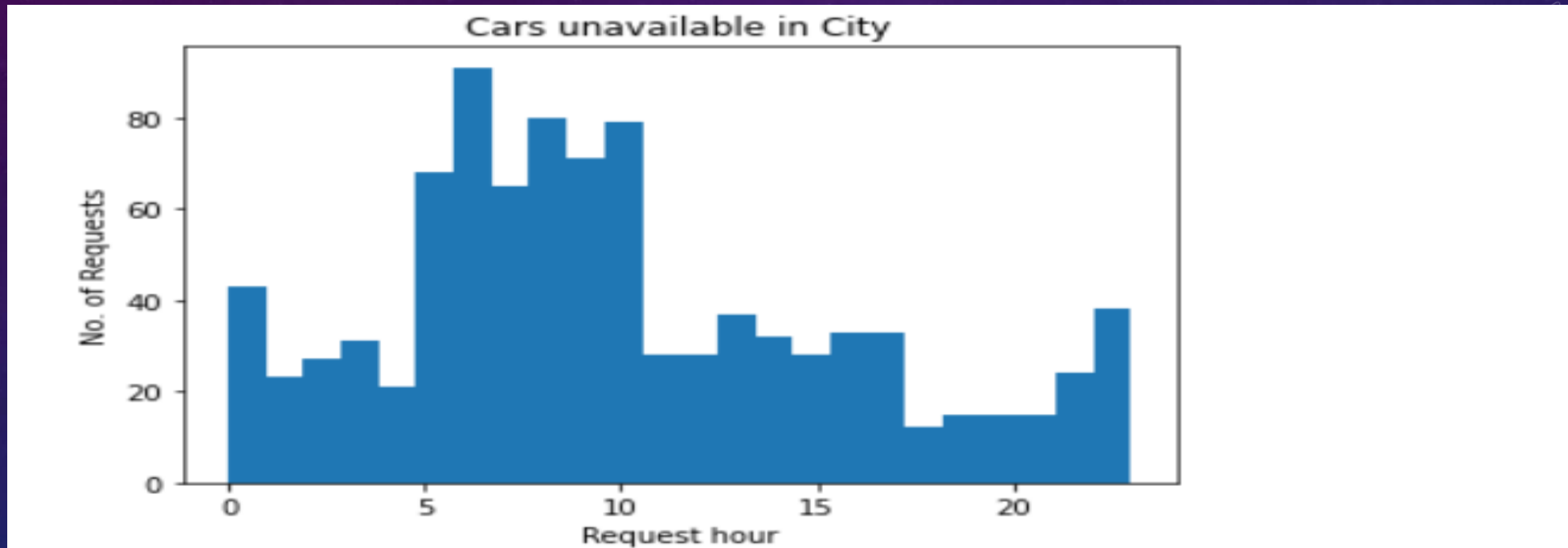




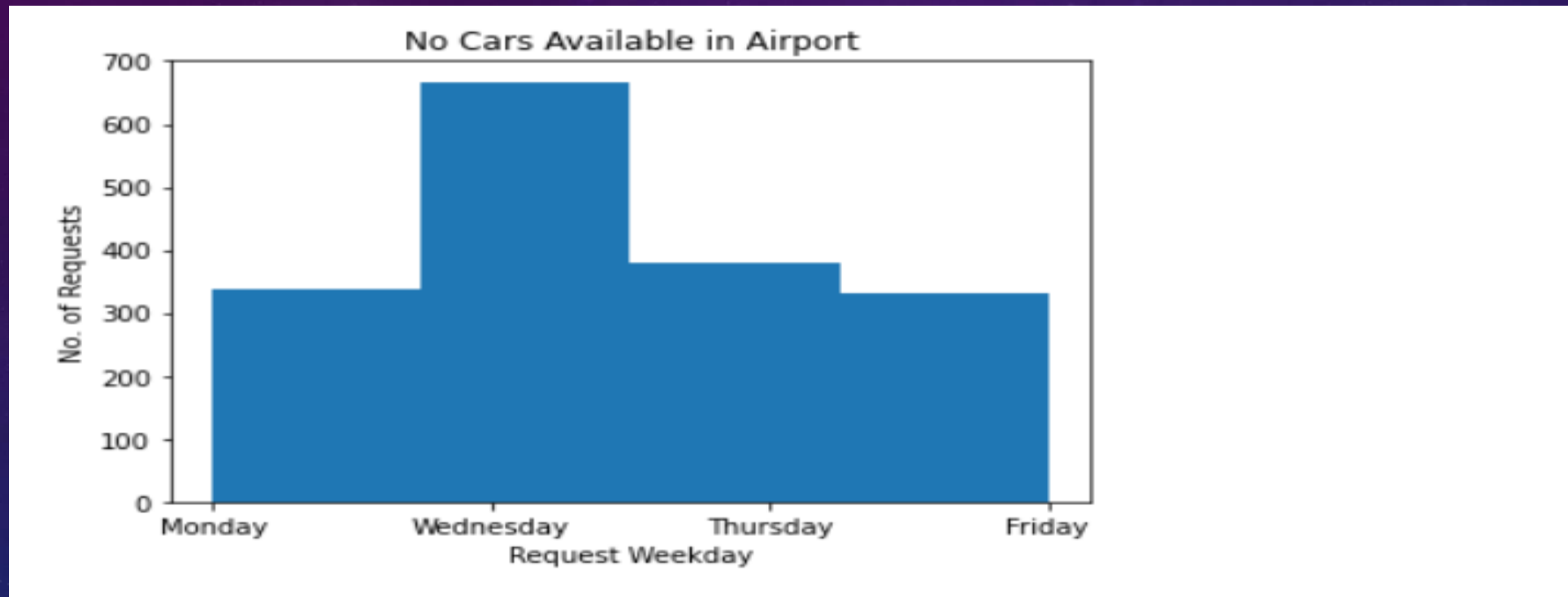
MOST REQUESTS ARE MADE IN THE LATE EVENING TILL MID-NIGHT. AND CARS ARE UNAVAILABLE DURING THIS PEAK TIME.



IN CONTRARY TO AIRPORTS RIDES MOST PEOPLE PREFER  
HEADING TO THE AIRPORT EARLY IN THE MORNING TILL 10  
AM AND THIS IS THE TIME WHERE CARS ARE UNAVAILABLE

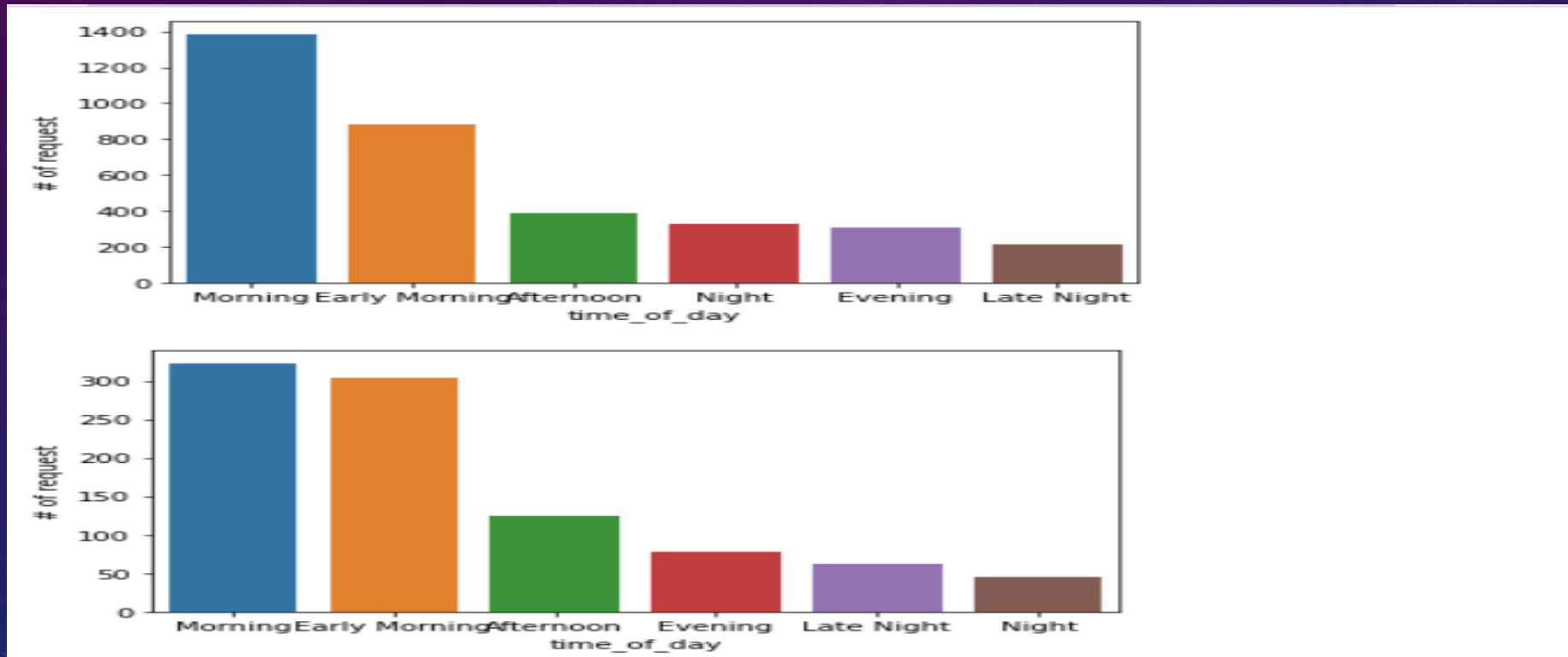


FROM THE ABOVE CHARTS WE SEE THAT WEDNESDAY IS THE BUSIEST DAY FOR INBOUND AND OUTBOUND TRAVELS AND THAT IS WHEN THE DEMAND IS HIGH

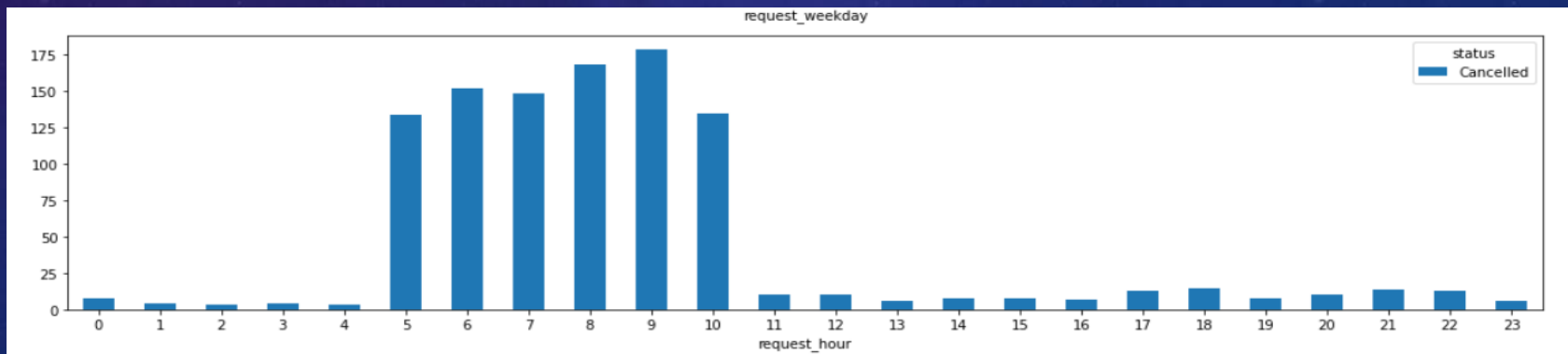
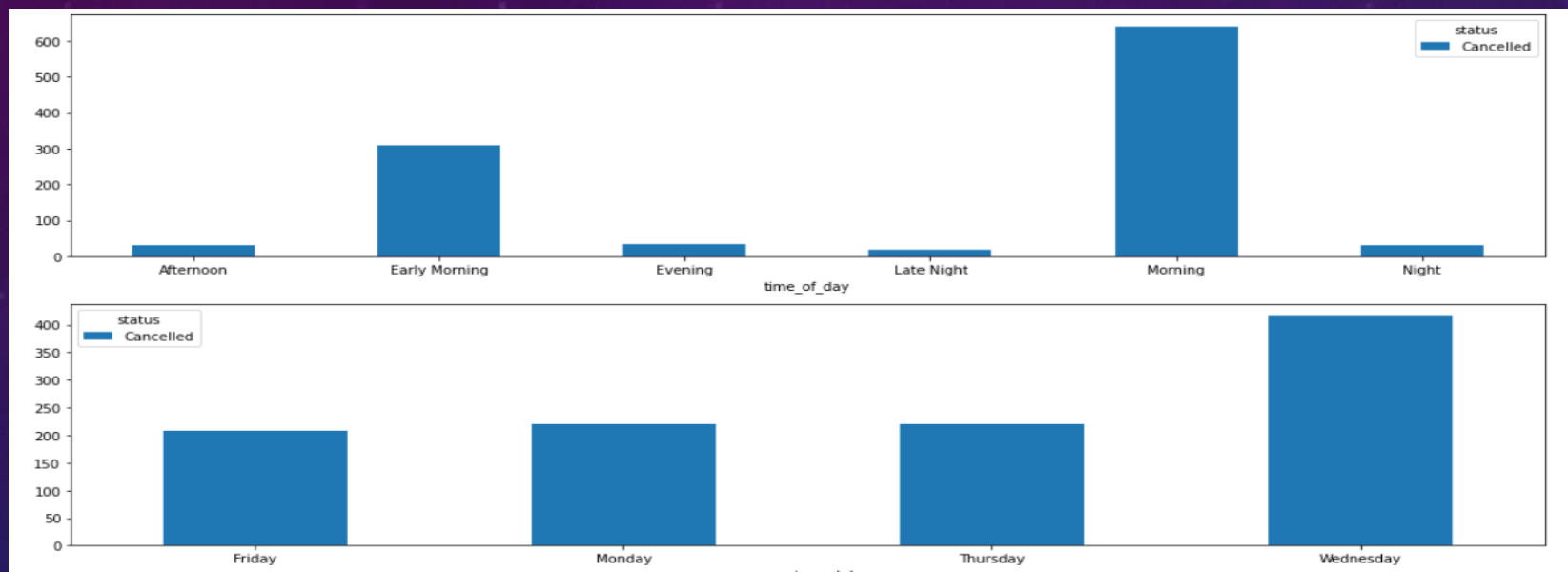




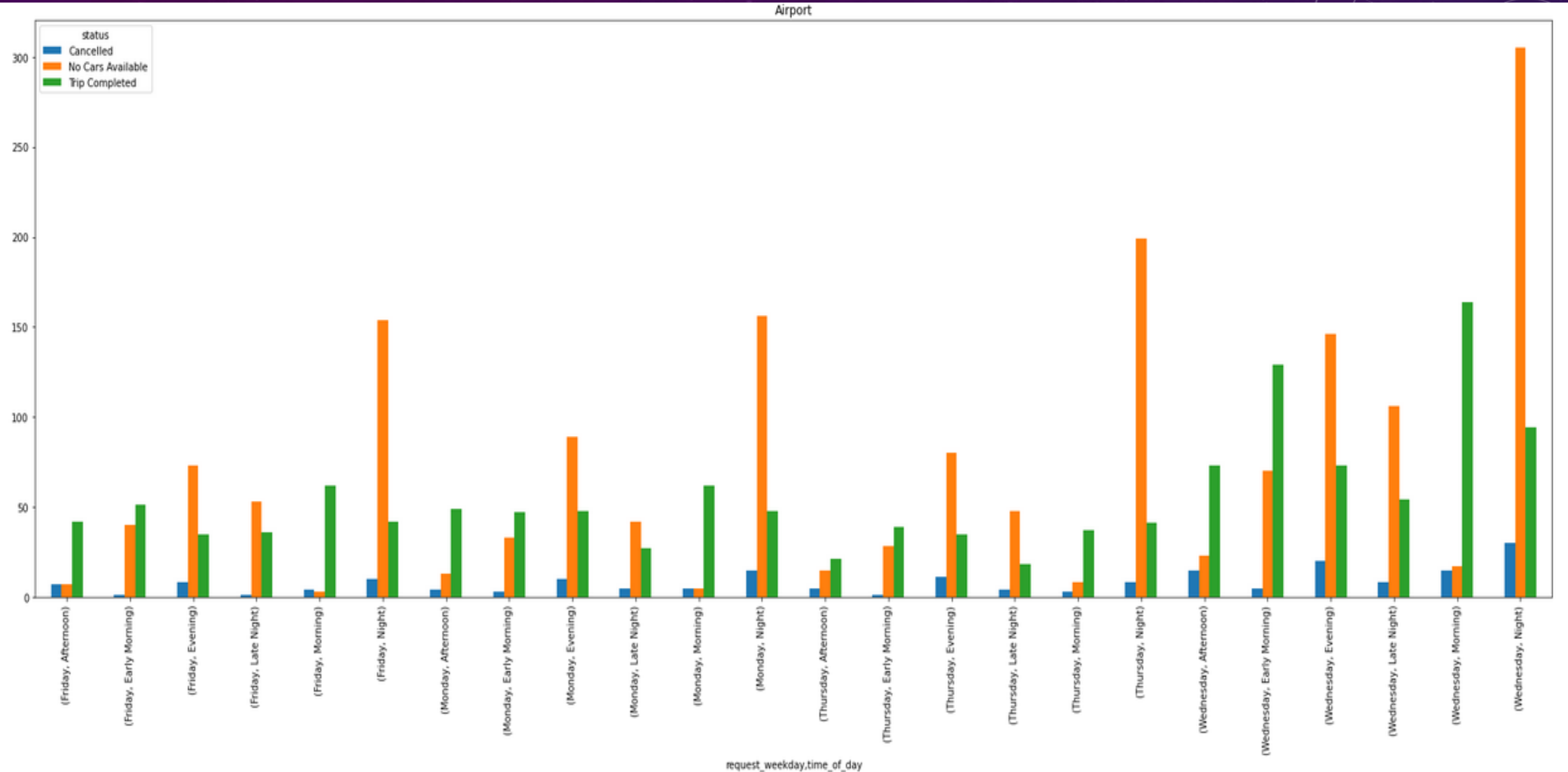
# WHEN COMPARED TO AIRPORT, CITY HAS LESSER SUPPLY DEMAND GAP



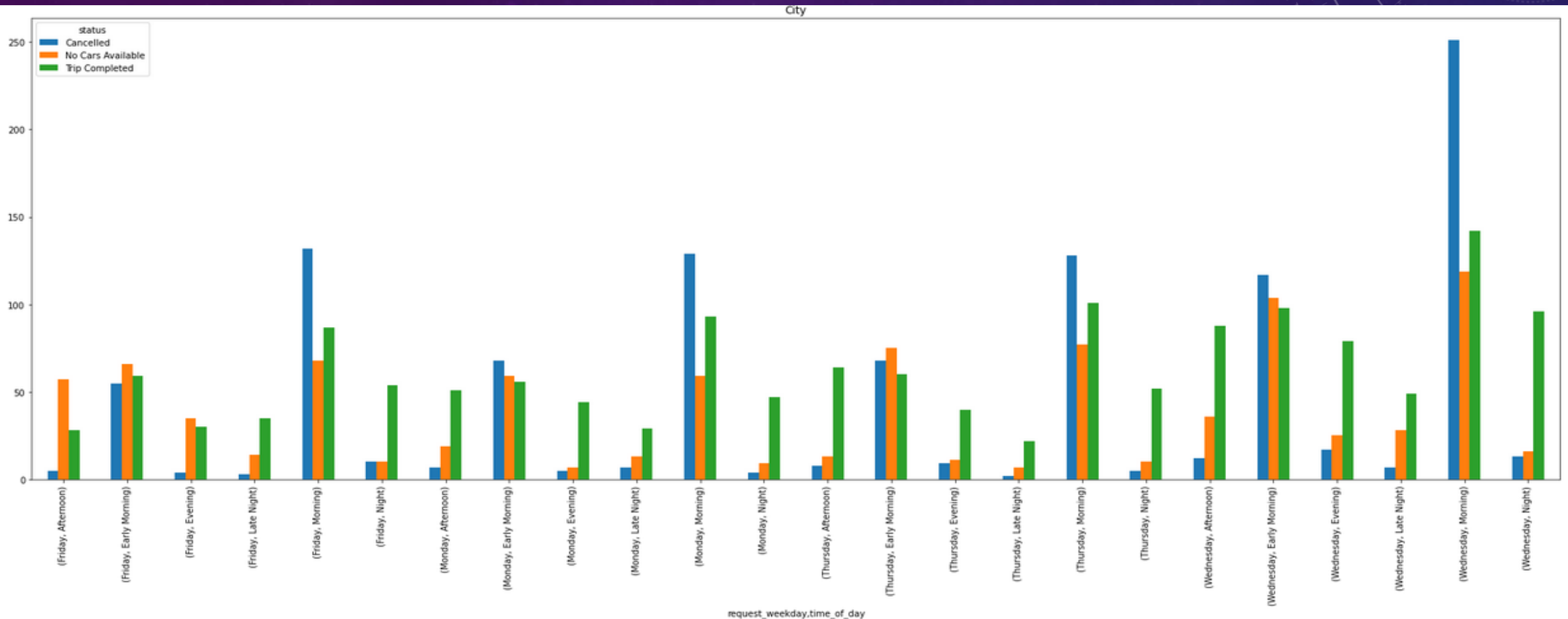
# QUICK SUMMARY ON CANCELLED RIDES



# SUMMARIZING THE STATS BY STATUS



IT IS TO BE NOTED ON SOME DAYS-SLOT MOST OF THE RIDES ARE CANCELLED. THIS NEEDS TO BE FURTHER INVESTIGATED BY LOOKING AT THE REASON AND WHO INITIATED THE CANCELLATION



# SUMMARY

- Problems observer:
  - Requests made from Airport to City and vice versa are almost the same with a slightly more request at the City
  - About half the rides are not completed due to cancellation or unavailability
  - Most unavailability are at the Airport comparing to the city and most cancellation happen at the city
  - Peak time & unavailability is at Airport in the evening vs in city it is in the morning
  - Peak time & unavailability is on Wednesdays
- Suggested solutions
  - Special incentives can be given to drivers on Wednesdays and who pickup rides to Airport at night & who pickup passengers from City to Airport in the Morning.
  - A dedicated fleet service that handles only Airport rides can be set up to meet the demand.
  - Van service that can accommodate more than 1 passenger can be introduced to meet the supply-demand gap will lesser vehicles.
  - Drivers making a Airport pickup at night can be encouraged to wait for requests in the early-mid mornings at City for Airport pickup. Having less Airport-City requests in the morning and vice versa can be a reason for this gap. Business can come up with bonus, extra commission etc to encourage drivers to bridge this gap