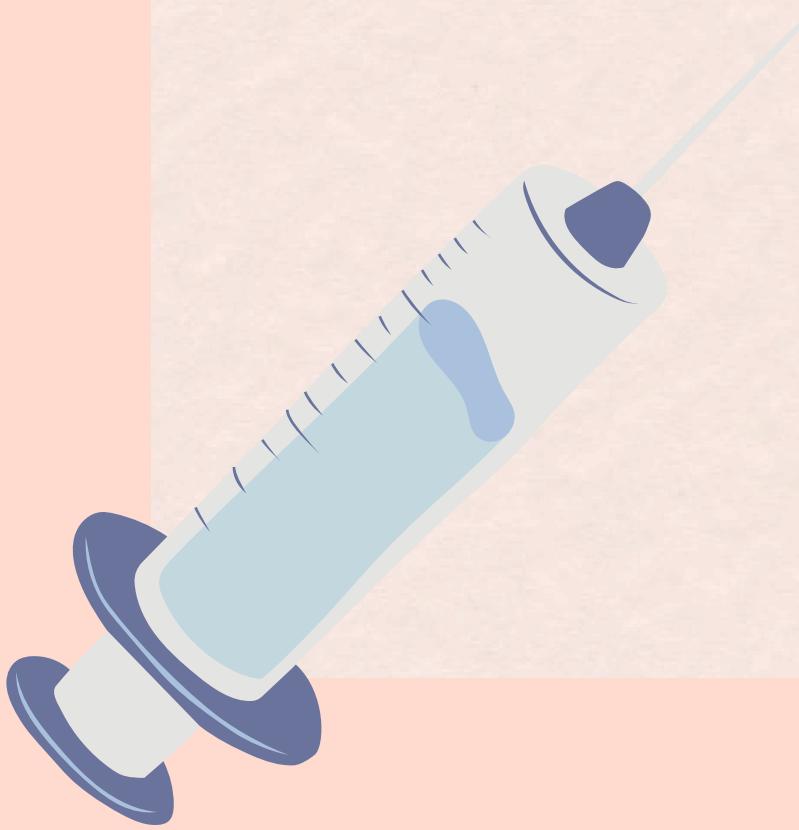


# When Minutes Matter

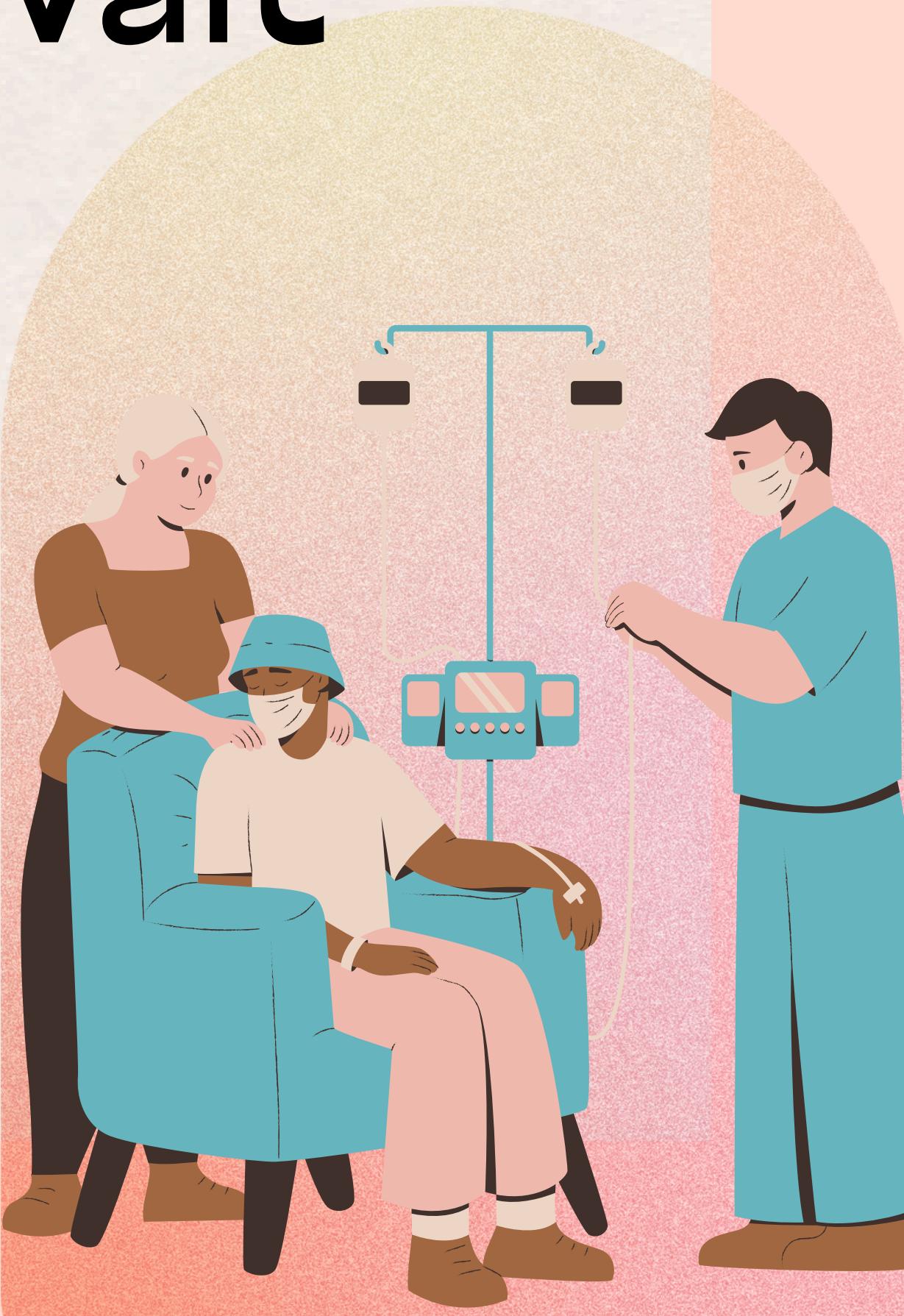
Analyzing ER Wait Time

Presented by:  
Ghala Amutairi



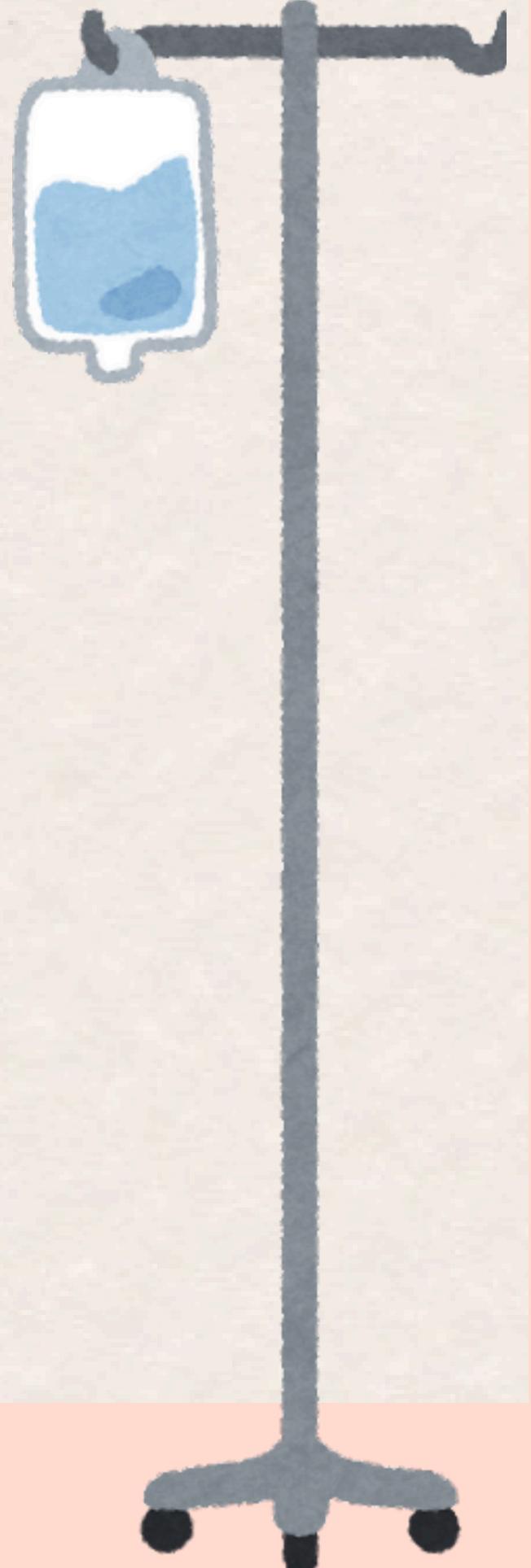
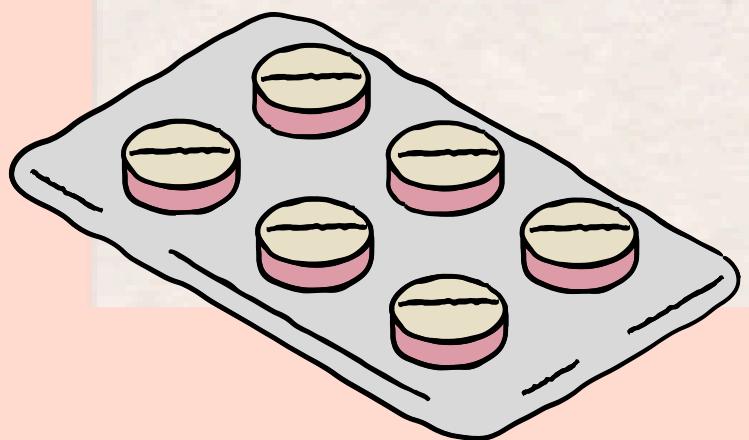
# Main Features of ER Wait Time Dataset

- Visit ID
  - Patient ID
  - Hospital ID
  - Hospital Name
  - Regoin
  - Visit Date
  - Day of week
  - Season
  - Time of day
  - Urgency level
- Nurse to patient ratio
  - Specialist availability
  - Facility size
  - Time to triage (min)
  - Time to medical professional (min)
  - Total wait time (min)
  - Patient outcome
  - Patient satisfaction

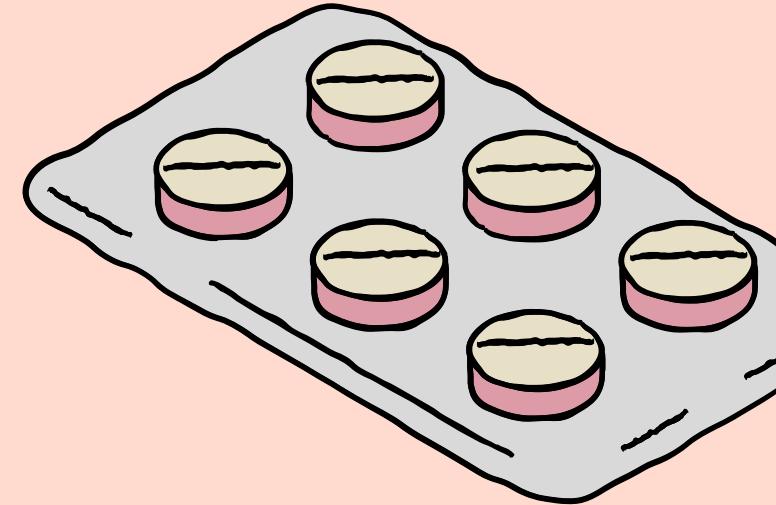
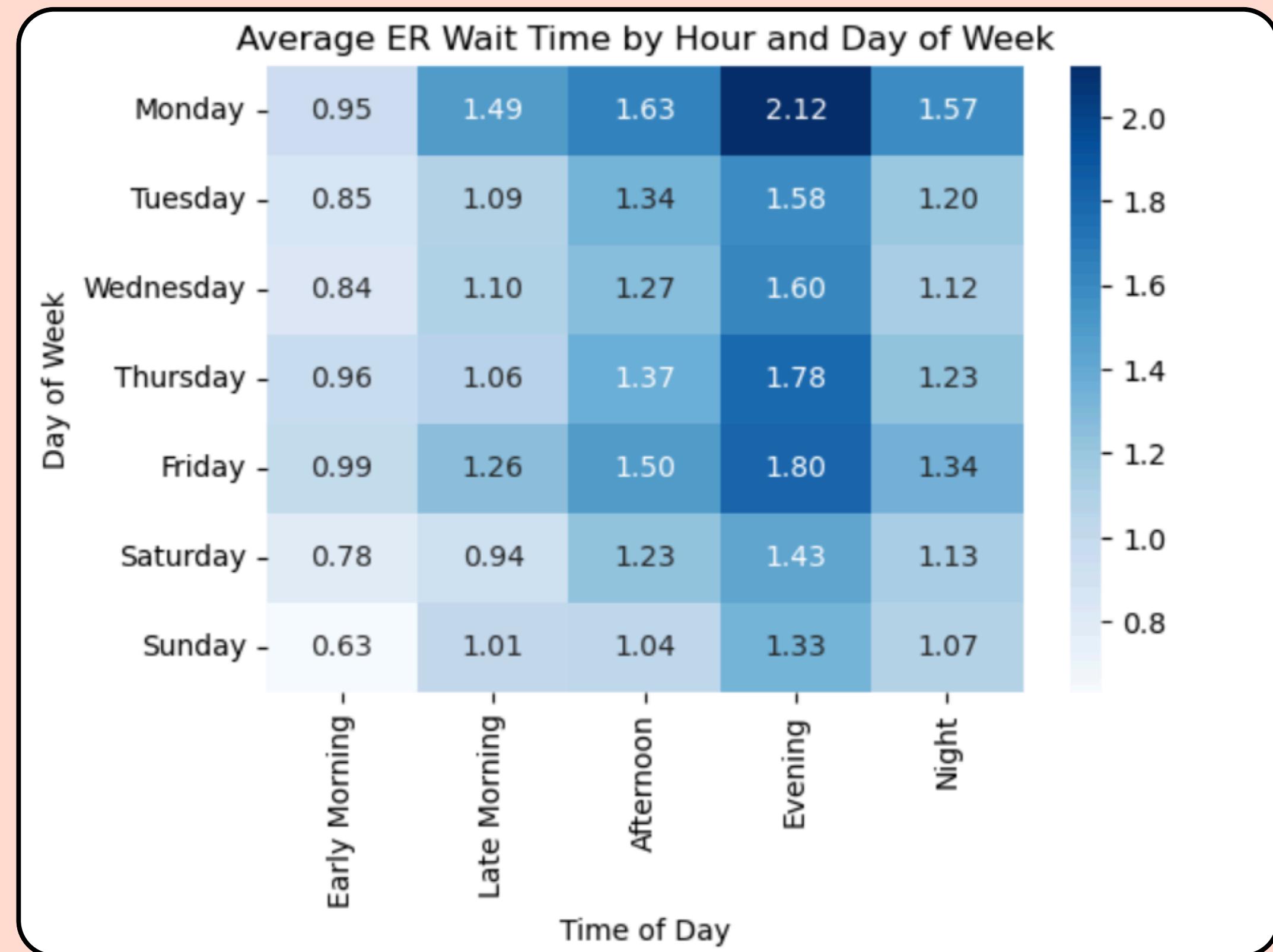


# Problem Statement

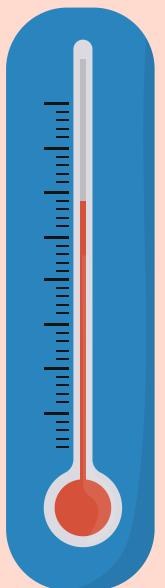
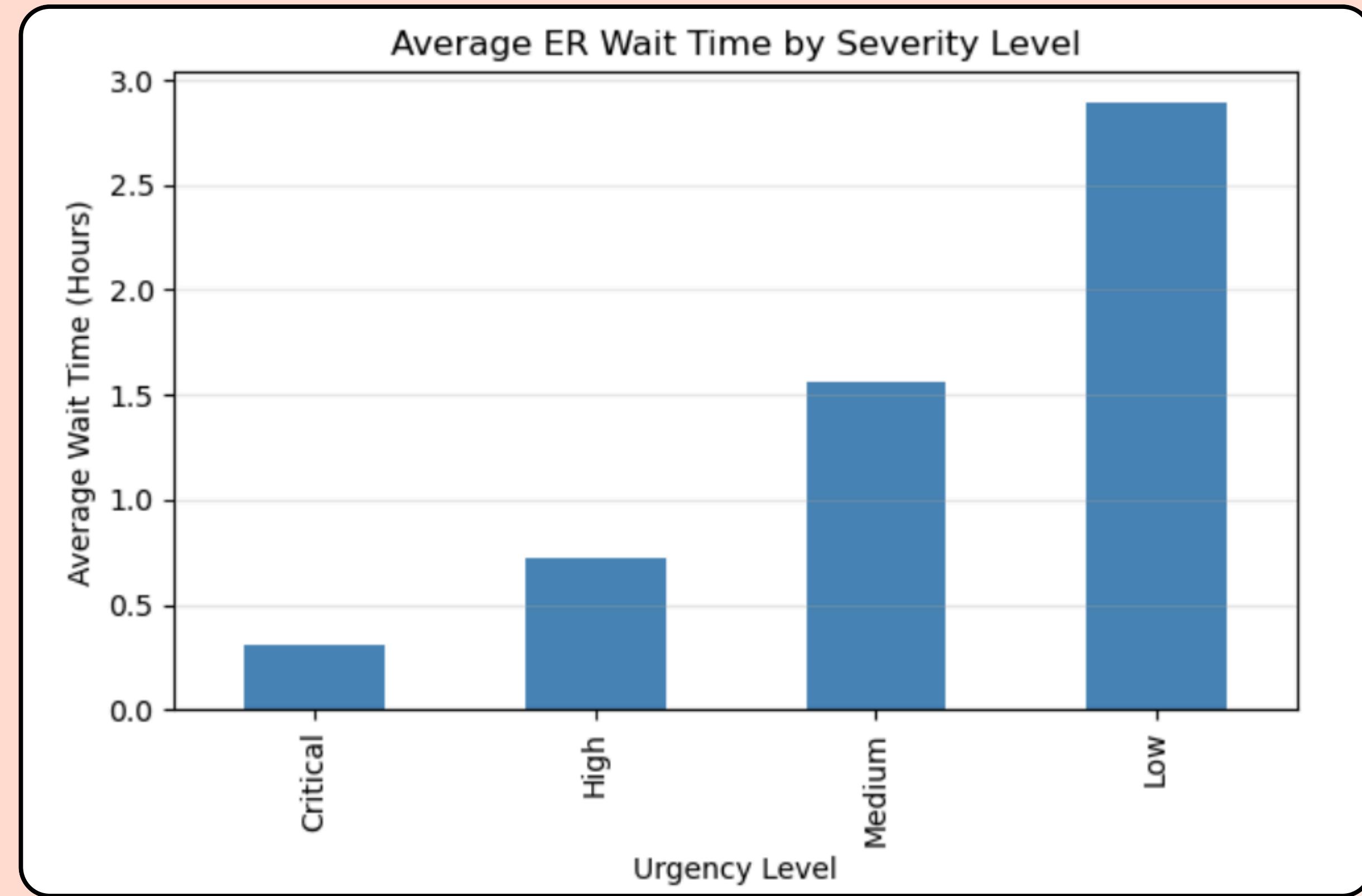
Long ER wait times negatively affect care quality and patient outcomes. This project analyzes wait time data to identify key factors causing delays and provide data-driven insights for improving efficiency and patient experience.



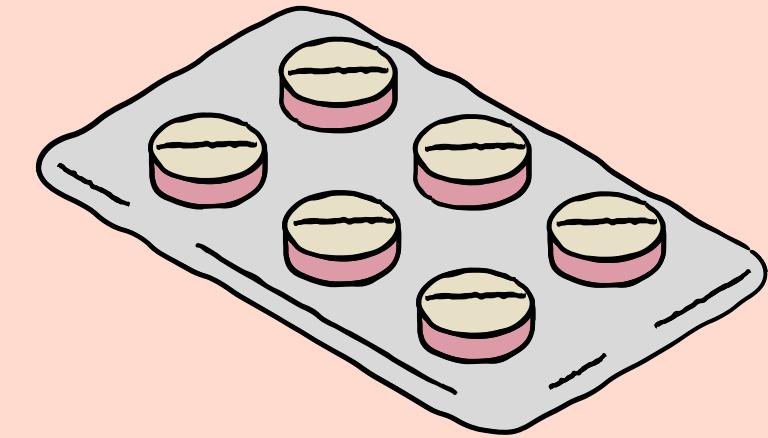
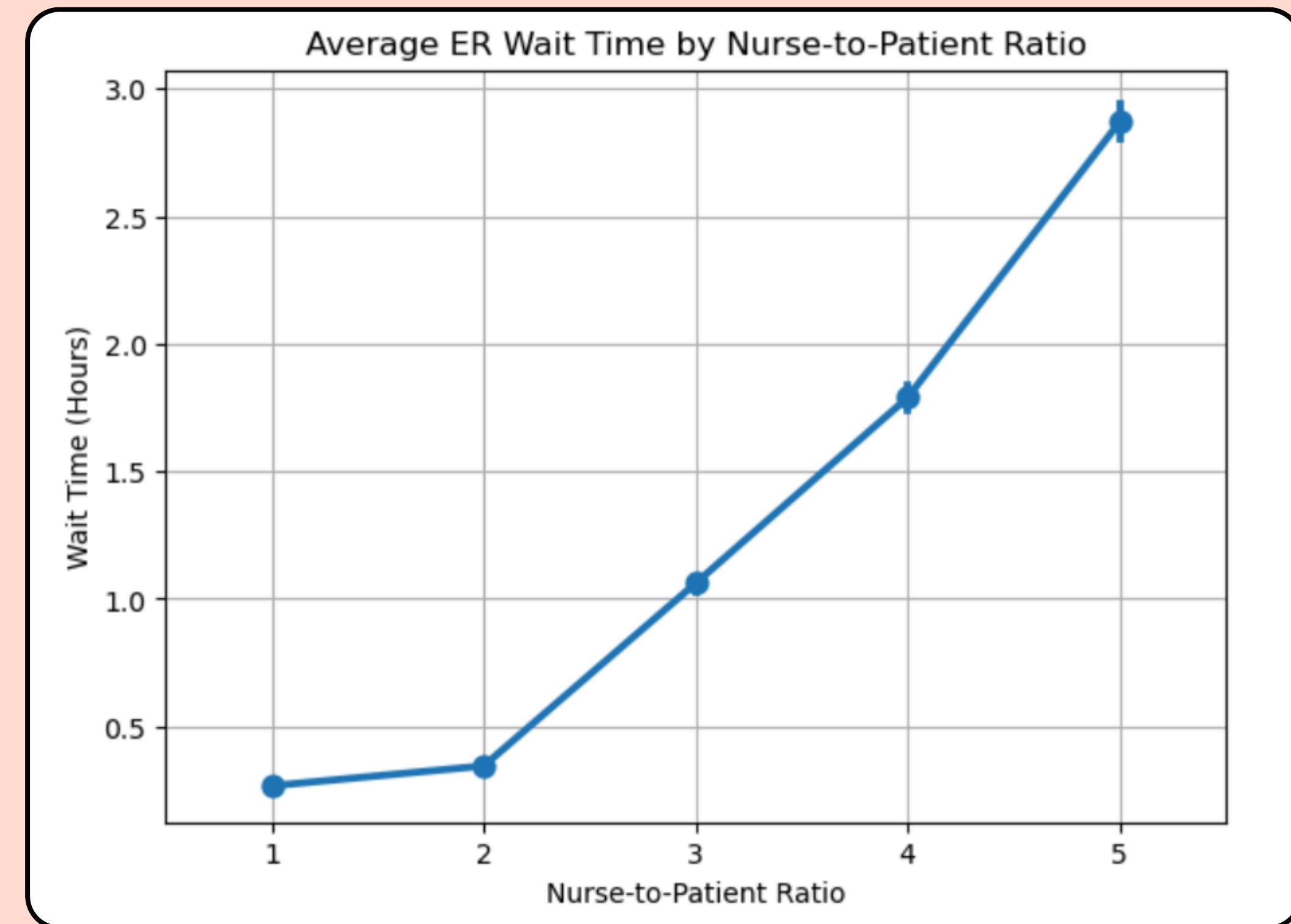
# 1- What hours and days of the week have the longest emergency room wait times?



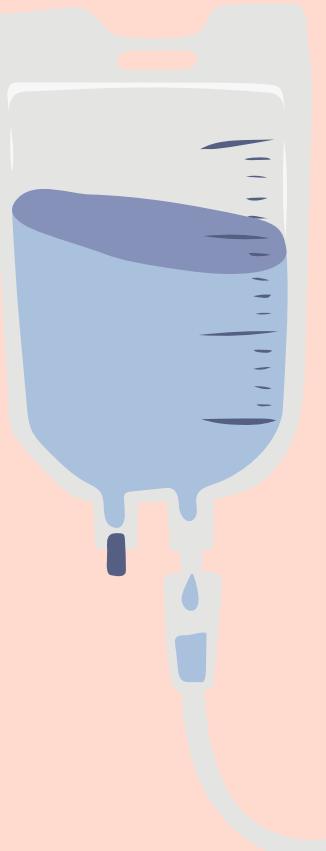
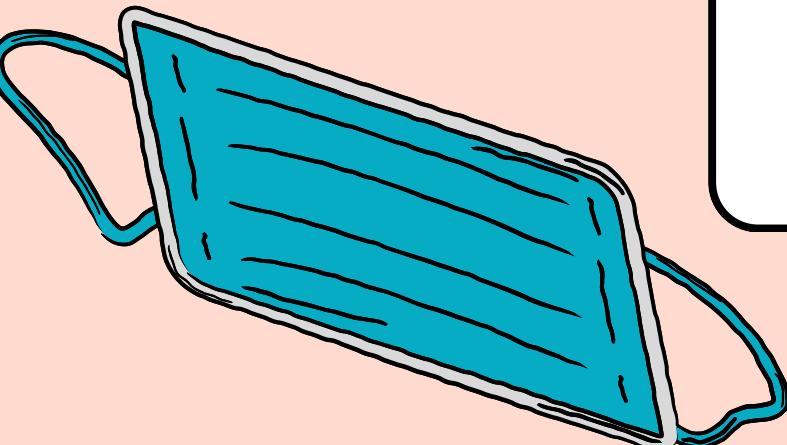
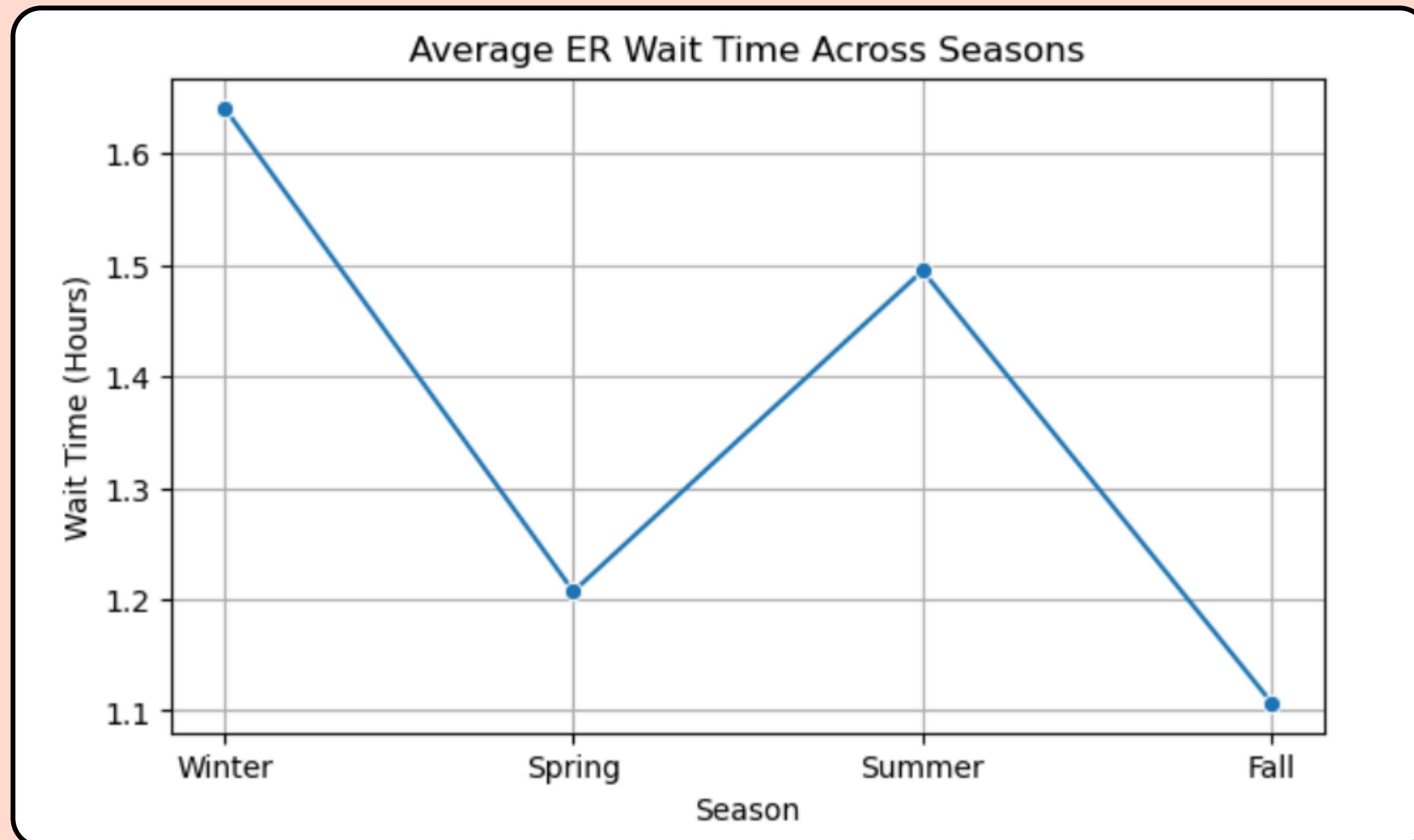
## 2. Does the severity level of the patient's condition significantly affect their wait time?



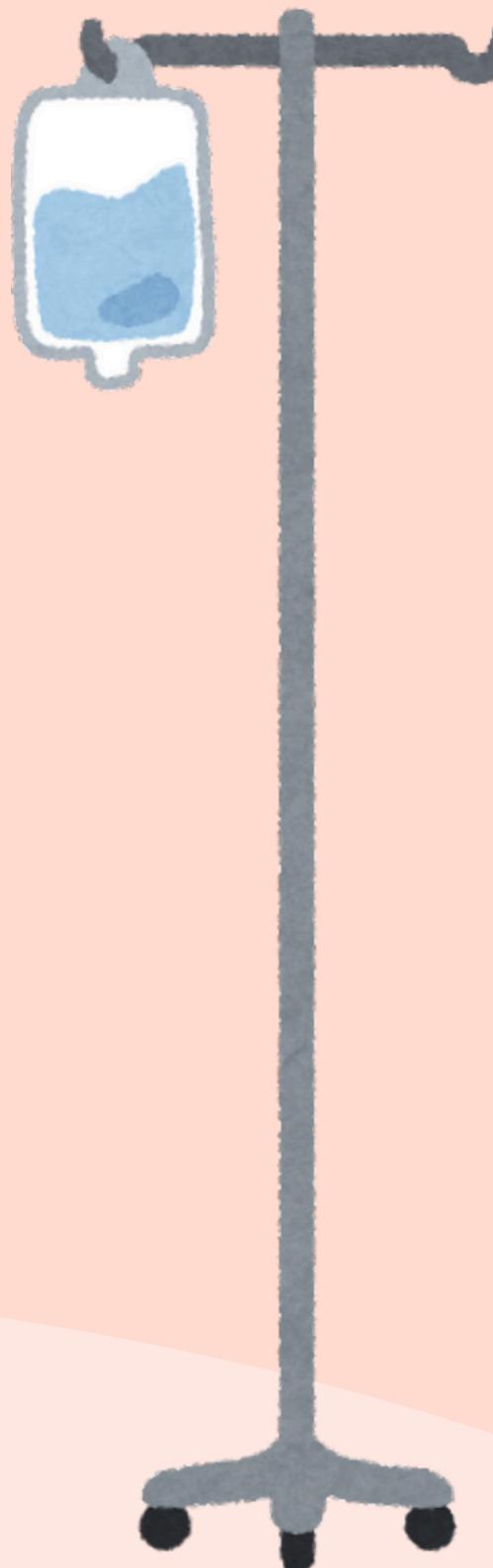
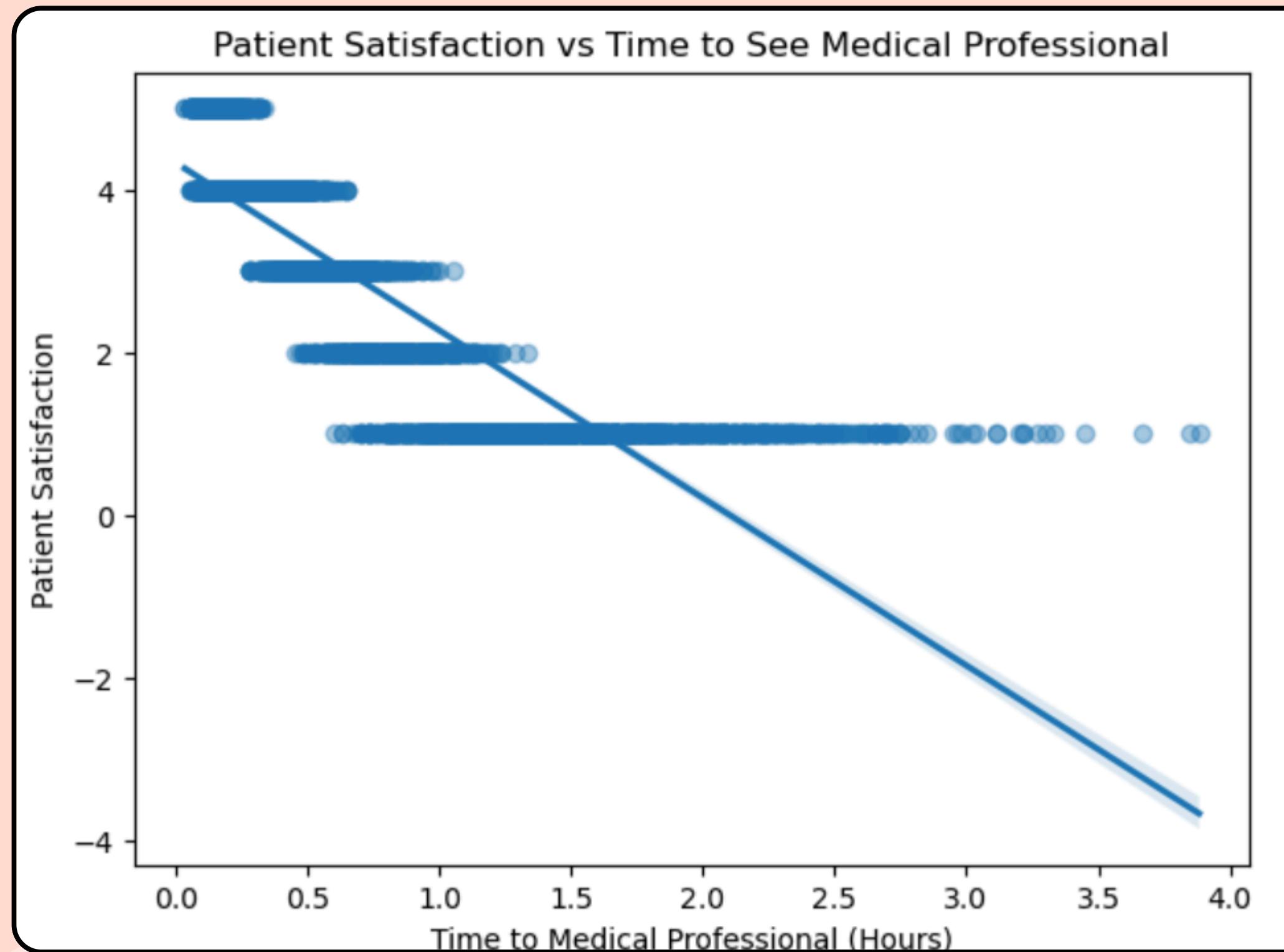
### 3. How does the nurse-to-patient ratio impact overall ER wait times?



# 4- Is there a seasonal trend in ER wait times, and which season experiences the most delays?



# 5-Does waiting time before seeing a medical professional affect patient satisfaction levels?



**Thank you**

