



Emergency Room Performance and Triage Efficiency

An analysis of emergency room data to improve triage efficiency and overall performance.

Introduction

Hi, I'm **Yaswanth Kundurthi**, an aspiring Data Analyst passionate about solving real-world problems using data.

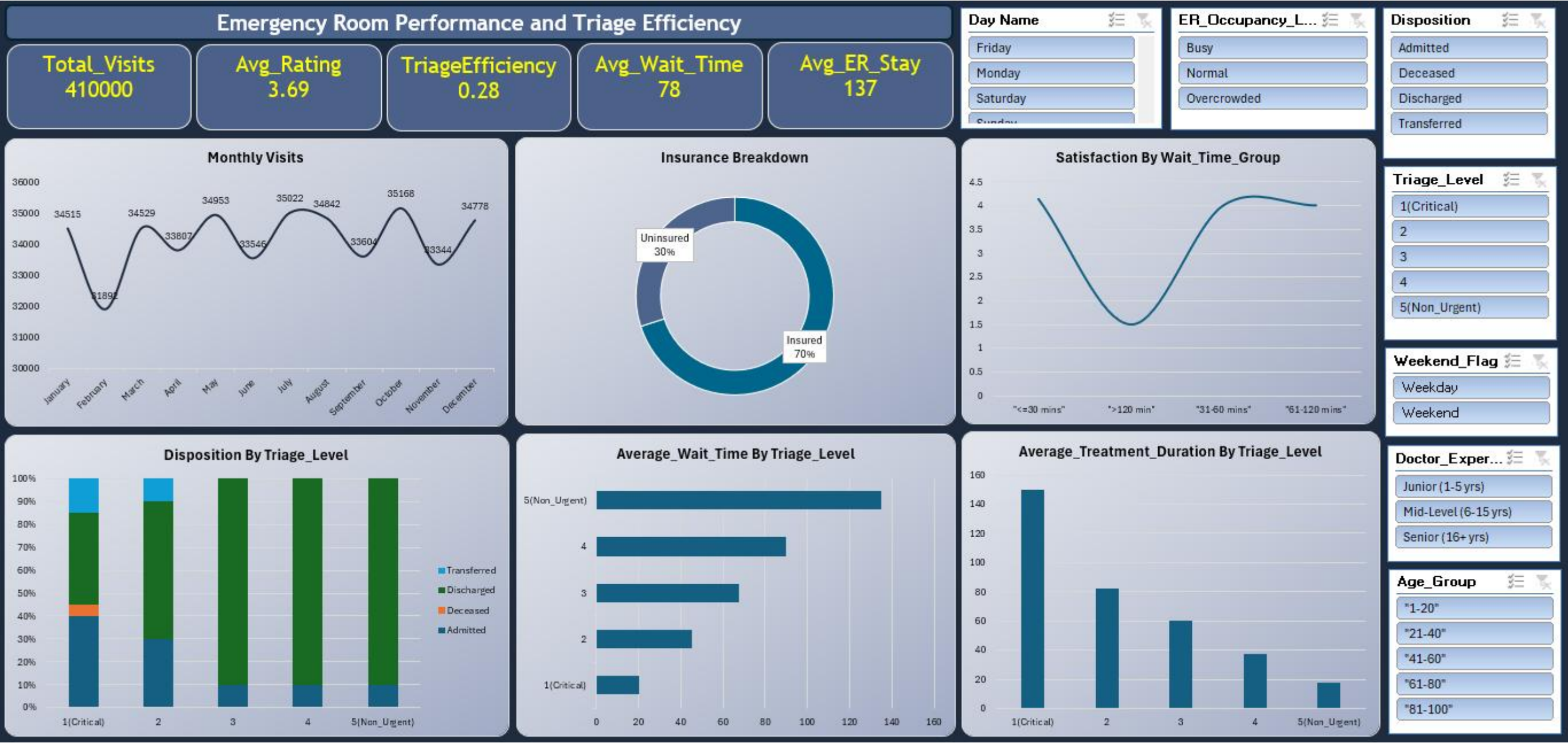
Project: Emergency Room Performance & Triage Efficiency.



Built in Excel

Analysis built fully in Excel with over 410,000 records.

DASHBOARD



Objective



KPIs

Understand KPIs: ER wait time, triage efficiency, doctor workload, and patient satisfaction.



Bottlenecks

Identify bottlenecks in the emergency care process to streamline workflows.



Recommendations

Reduce waiting times and improve critical patient treatment response.

Dataset & Tools



Microsoft Excel

Data Cleaning,
Analysis, Dashboard.



Data

410K records with
realistic ER visit
attributes.



Visual Storytelling

Used power query,
pivot tables, slicers,
charts.



Key Metrics

410K

Total ER Visits

78

Avg. Wait Time

Minutes

137

Avg. ER Stay

Minutes

3.69

Avg. Satisfaction

/5



Dashboard Highlights



Monthly Visit Trends

Peak analysis.



Insurance Coverage

70% insured.



Satisfaction Trends

By wait time.

Key Insights



Critical Wait

Triage Level 1: 18 minutes average wait.

Non-Urgent

Waited 3x longer, alternate care pathways needed.

Senior Doctors

Handled most Critical cases effectively.

Satisfaction

Dropped when wait times exceeded 120 minutes.





Business Impact

Reduce Patient Churn

Data-driven triage improves patient retention.

Improve Staffing

Optimize doctor assignment & peak-hour management.

Boost Efficiency

Increases operational efficiency and patient satisfaction.



Thank You

If you're hiring or know someone who is - **Let's connect!**
