

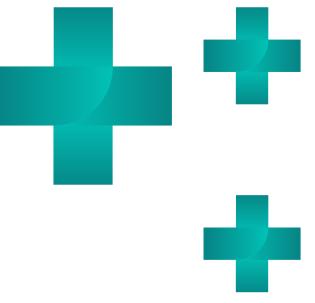


MEDICAL

Healthcare

Presentation By: Komal

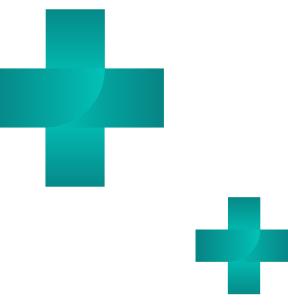




HOSPITAL

Emergency Room Analysis

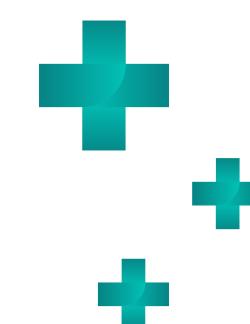




PURPOSE OF PROJECT

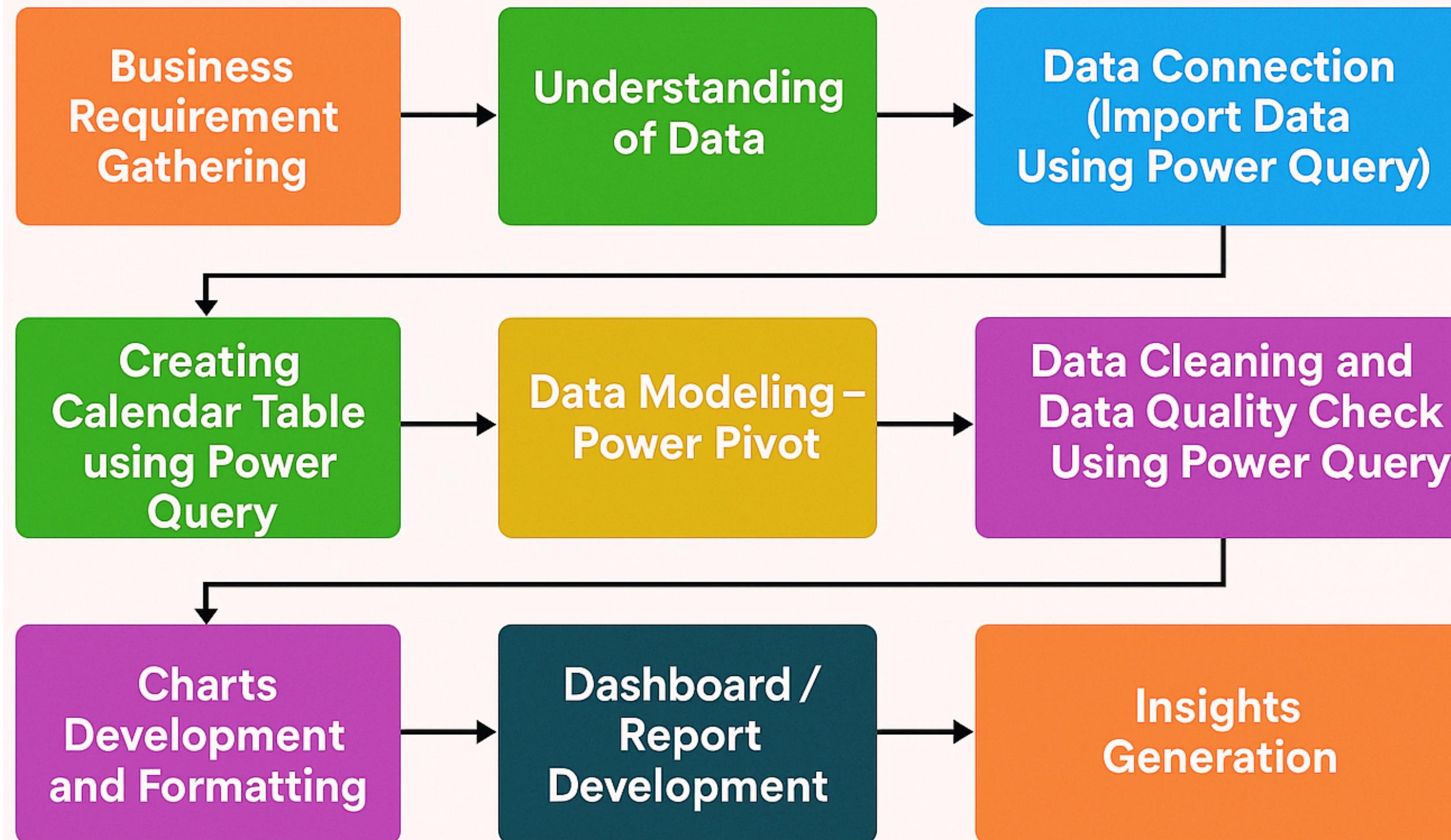


We need to create a Hospital Emergency Room Analysis Dashboard in MS Excel to improve efficiency and provide useful insights, This dashboard will help stakeholders monitor, analyze, and make better decisions for managing patients and improving services.





Project Steps





KPIs Requirement



Number of Patients:

Count the total number of patients visiting the ER each day, Show a daily trend with an area sparkline to spot patterns like busy days or seasonal trends.



Average Wait Time:

Check the average time patients wait to see a medical professional. Use an area sparkline to track daily changes and highlight days with longer waits that might need improvements.



Patient Satisfaction Score:

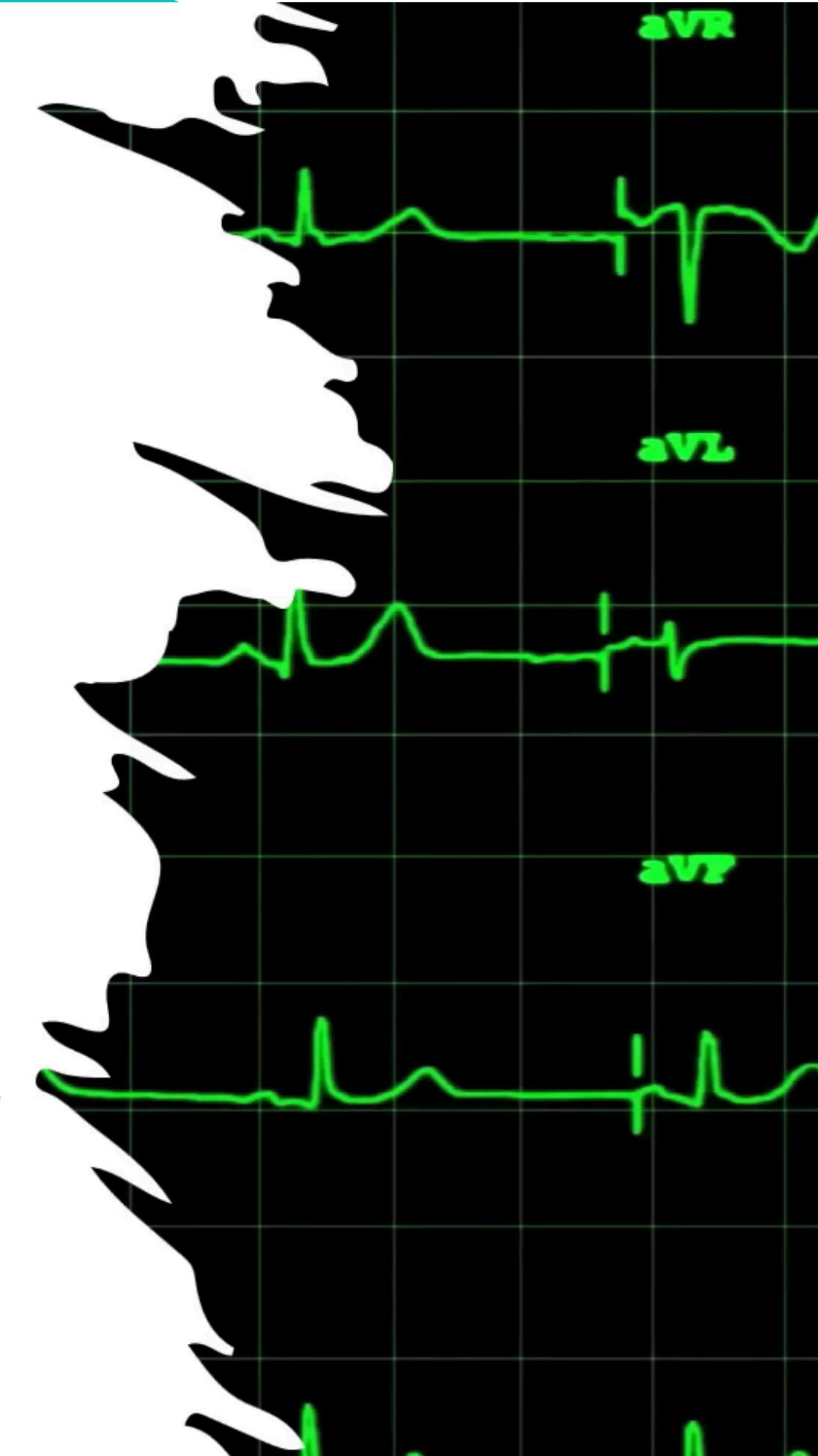
Check the average daily satisfaction score of patients to assess service quality. Use an area sparkline to show trends, spot drops in satisfaction, and link them to busy time and challenges.





Charts to Create:

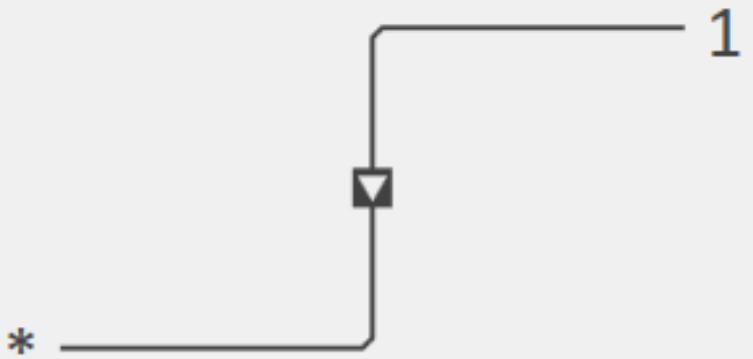
- **Patient Admission Status:** Show how many patients were admitted vs. not admitted.
- **Patient Age Distribution:** Group patients by age.
- **Timeliness:** Measure the percentage of patients seen within 30 minutes.
- **Gender Analysis:** Display the number of patients by gender.
- **Department Referrals:** Check which departments patients are referred to the most.



Data Model

Hospital Emergency Room Data

- Patient Id
- Patient Admission Date
- Patient Admission Time
- Merged
- Patient Gender
- Patient Age
- Patient Race
- Department Referral
- Patient Admission Flag
- Patient Satisfaction Score
- Patient Waittime



Calender Table

- Date

Emergency Room Analysis

DASHBOARD

