Dataset:

Medical Appointment No Shows – Kaggle

This dataset contains 110,000+ medical appointment records from Brazil, including:

Patient ID

Appointment Date

Scheduled Date

Gender, Age

SMS reminders

Neighborhood

No-show status

Objectives

Goal	How It Will Be Done
✅ Identify peak appointment times	SQL GROUP BY + Power BI time charts
✅ Measure no-show rate	Excel pivot + SQL calculation
✅ Analyze no-shows by gender, age, day	Power BI bar charts + filters
✅ See impact of SMS reminders	Pivot by reminder flag vs no-show
✅ Create dynamic dashboard	Power BI with filters: gender, age, neighborhood, weekday

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Tools & Use Cases

Tool	Purpose
Excel	Data import, basic cleaning, pivot tables
SQL	Aggregation, no-show logic, time-based segmentation
Power BI	Interactive dashboard with visuals, slicers, KPIs

Key Metrics to Analyze

Metric	Description
No-Show Rate	% of appointments not attended
SMS Reminder Impact	Compare no-show % with/without SMS
Peak Booking Days	Which weekdays have highest/lowest visits
Age-Based Trends	Do younger/older patients skip more?
Neighborhood Distribution	Who misses appointments most by location
Lead Time Analysis	Time between scheduling and appointment date

Deliverables

File	Content
Healthcare_NoShow_Analysis.xlsx	Cleaned data + pivot insights
Appointment_Analysis.sql	Queries to calculate metrics
HealthcareDashboard.pbix	Power BI visual dashboard
Data_Analysis_Plan_Healthcare.docx	This planning document