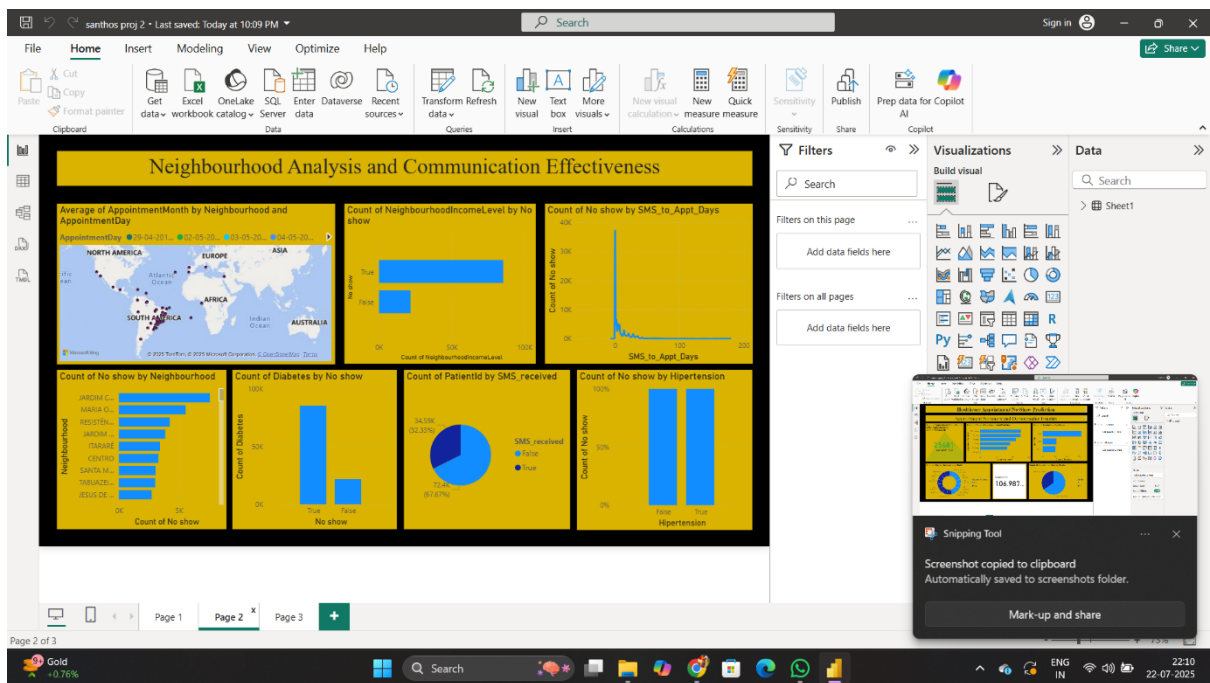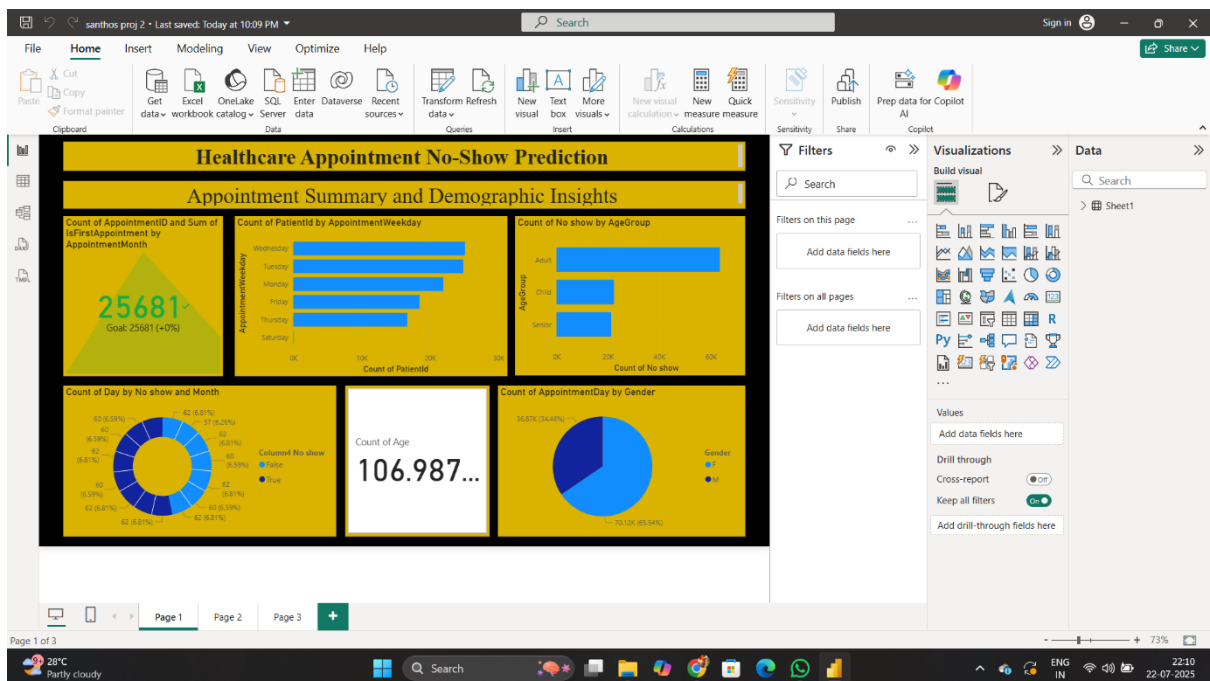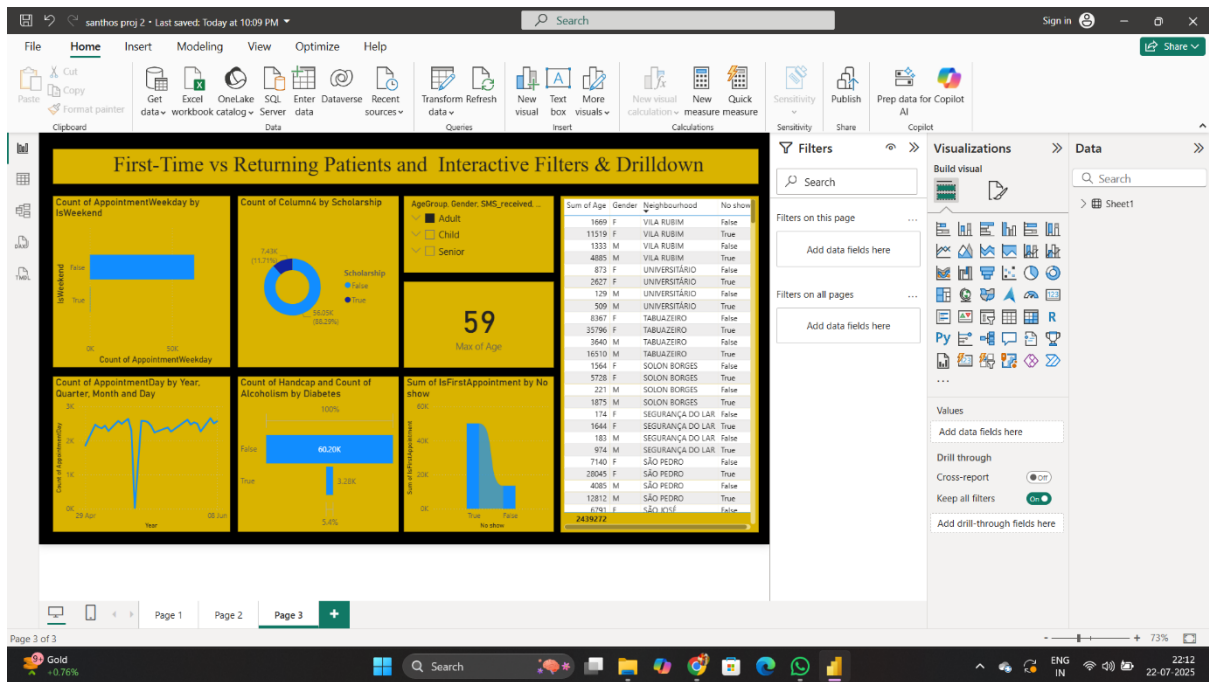# HEALTHCARE APPOINTMENT NO-SHOW PREDICTION

OBJECTIVES:

The objective of this project is to develop a data-driven model and interactive dashboard to predict and analyze patient appointment no-shows in a healthcare setting. By utilizing patient demographics, appointment patterns, SMS reminders, and health conditions, the goal is to:

- Identify key factors that contribute to patients missing their appointments.

- Segment patients based on risk groups such as age group, neighborhood, and chronic conditions.

- Improve resource utilization by minimizing last-minute appointment gaps.

- Enhance communication strategies by evaluating SMS effectiveness and appointment scheduling patterns.

- Provide actionable insights to healthcare administrators for better patient engagement and improved clinical scheduling practices.