




IOT ANALYTICS



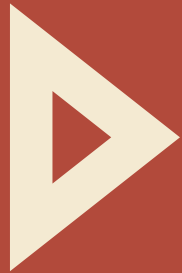
# POWER MANAGEMENT IN SMART HOMES

Dashboard

# Presentation Overview

## Topics to Discuss

1. About the project
2. About the data
3. Dashboard



# About the project

Develop analytics for a set of electrical sub-metering devices used for power management in Smart Homes. Main goal of offering highly efficient Smart Homes that providing owners with power usage analytics.



# About the data

- One-minute sampling rate over
- From 12-2006 to 11-2010
- Paris - France
- Variables:
  - Total power
  - Voltage
  - Current
  - Date / Time
  - 3 sub-meterings

# Sub-meters

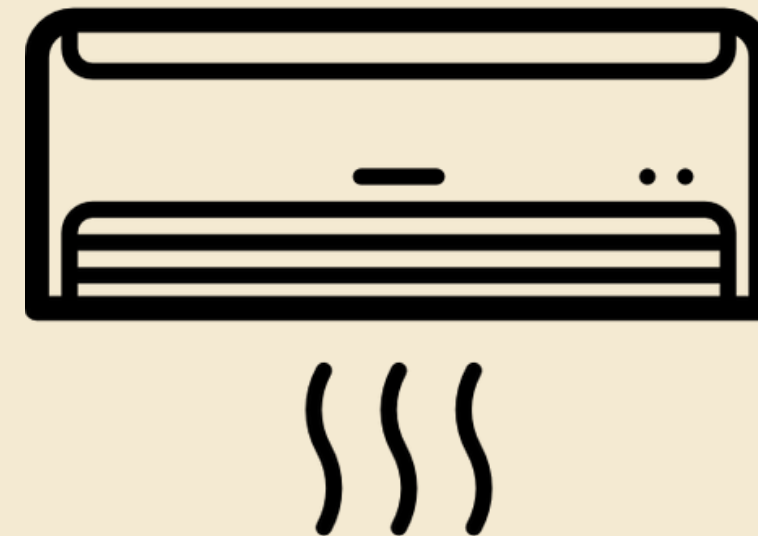
KITCHEN




LAUNDRY ROOM



CONTROL  
TEMPERATURE

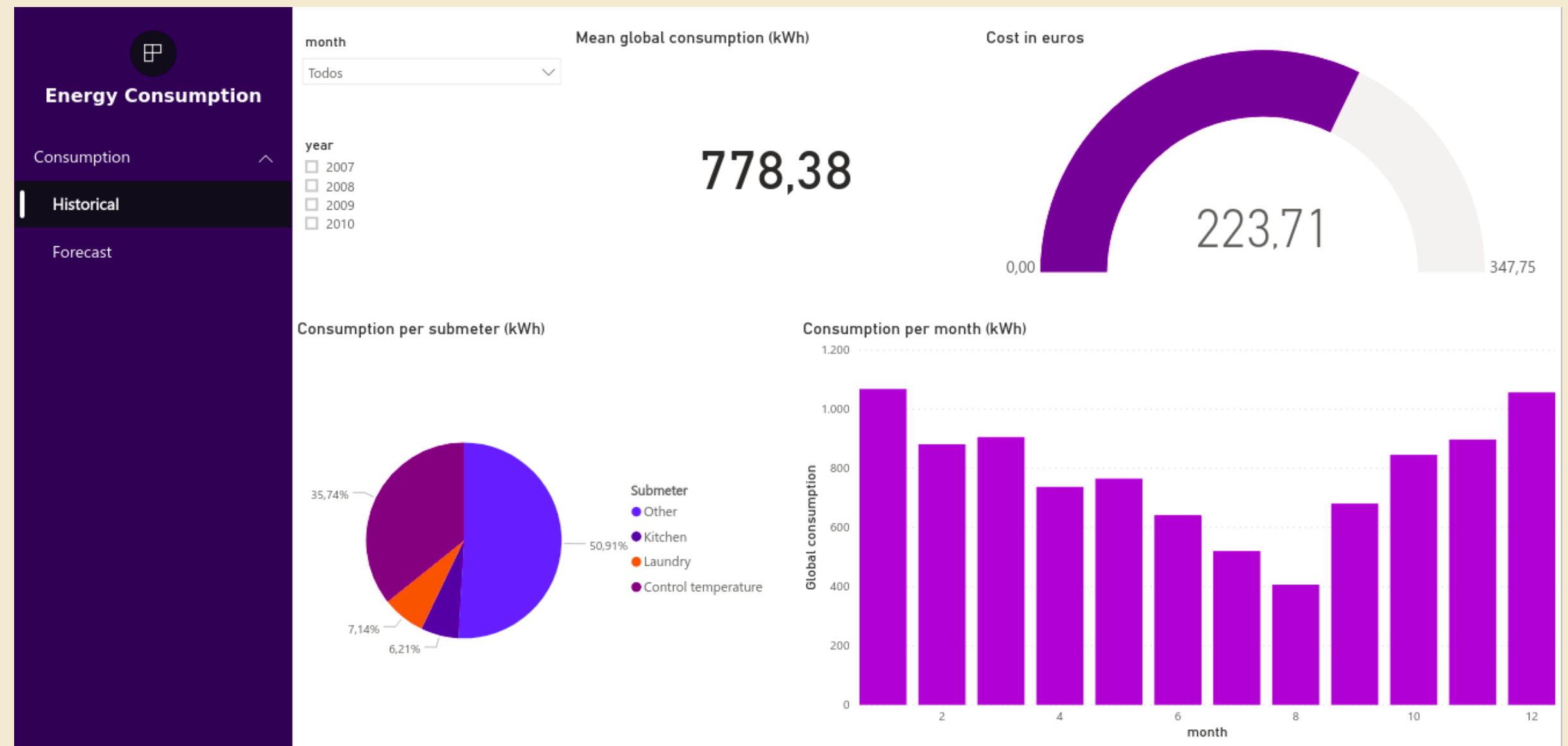


# Dashboard



## Power BI

Visualization





A grayscale photograph of a workspace. In the center, a person's hands are writing in a spiral-bound notebook. The left hand rests on the notebook, while the right hand holds a pen. On the desk, there is a white keyboard, a black smartphone, a car key fob, and two white pens. A small potted plant is visible on the left. The background is slightly blurred, showing a desk lamp and some papers. The word "QUESTIONS?" is overlaid in the center in a bold, white, sans-serif font. Large, stylized white arrow shapes are positioned in the corners: one pointing right in the top right, one pointing right in the bottom left, and one pointing left in the top right.

QUESTIONS?