

AIR QUALITY REPORT FOR RIYADH

{Air Quality Analysis in Riyadh}

Using Power BI

Prepared by: Manar Naji

.....

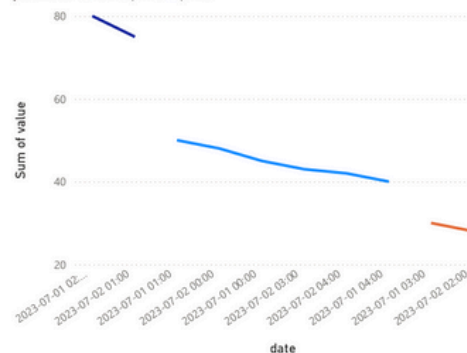
This interactive Power BI report analyzes air quality data in Riyadh across selected days. It covers key pollutants (PM2.5 - PM10 - NO2), calculates daily averages, tracks trends over time, and provides intuitive data visuals with smart filtering.

SOME PICTURES

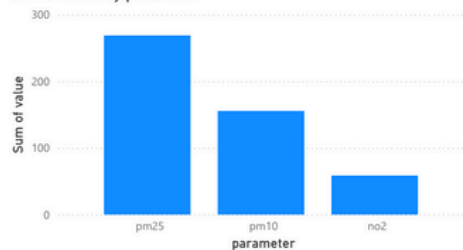
date	location	parameter	unit	Sum of value
2023-07-01 00:00	Al Malaz	pm25	µg/m³	45
2023-07-01 01:00	Al Malaz	pm25	µg/m³	50
2023-07-01 02:00	Al Malaz	pm10	µg/m³	80
2023-07-01 03:00	Al Malaz	no2	ppb	30
2023-07-01 04:00	Al Malaz	pm25	µg/m³	40
2023-07-02 00:00	Al Malaz	pm25	µg/m³	48
2023-07-02 01:00	Al Malaz	pm10	µg/m³	75
2023-07-02 02:00	Al Malaz	no2	ppb	28
2023-07-02 03:00	Al Malaz	pm25	µg/m³	43
2023-07-02 04:00	Al Malaz	pm25	µg/m³	42
Total				481

مستوى التلوث في الرياض (PM2.5 - PM10 - NO2)

parameter no2 pm10 pm25



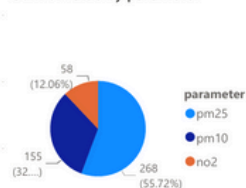
Sum of value by parameter



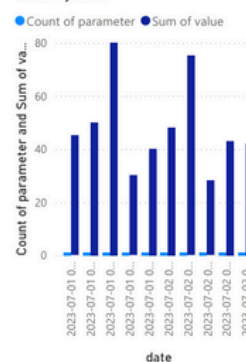
اختر التاريخ

- date, parameter, date
- ☒ 2023-07-01 00:00
 - ☒ 2023-07-01 01:00
 - ☒ 2023-07-01 02:00
 - ☒ 2023-07-01 03:00
 - ☒ 2023-07-01 04:00
 - ☒ 2023-07-02 00:00
 - ☒ 2023-07-02 01:00
 - ☒ 2023-07-02 02:00
 - ☒ 2023-07-02 03:00
 - ☒ 2023-07-02 04:00

Sum of value by parameter



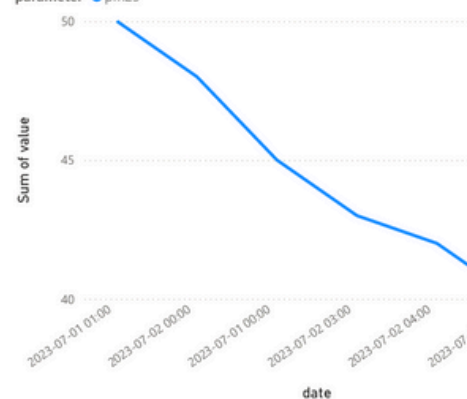
Count of parameter and Sum of value by date



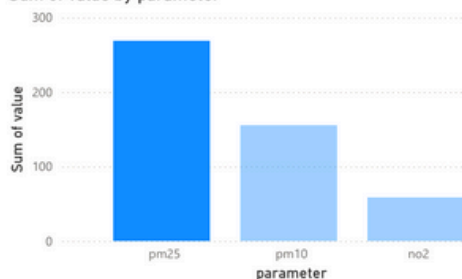
date	location	parameter	unit	Sum of value
2023-07-01 00:00	Al Malaz	pm25	µg/m³	45
2023-07-01 01:00	Al Malaz	pm25	µg/m³	50
2023-07-01 04:00	Al Malaz	pm25	µg/m³	40
2023-07-02 00:00	Al Malaz	pm25	µg/m³	48
2023-07-02 03:00	Al Malaz	pm25	µg/m³	43
2023-07-02 04:00	Al Malaz	pm25	µg/m³	42
Total				268

مستوى التلوث في الرياض (PM2.5 - PM10 - NO2)

parameter pm25



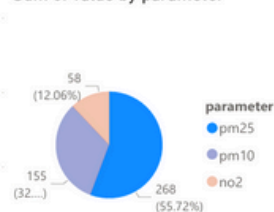
Sum of value by parameter



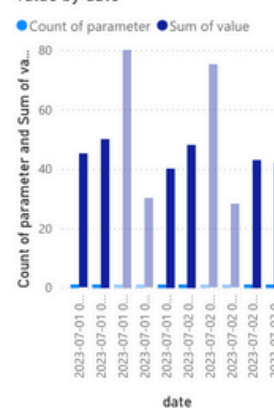
اختر التاريخ

- date, parameter, date
- ☒ 2023-07-01 00:00
 - ☒ 2023-07-01 01:00
 - ☒ 2023-07-01 02:00
 - ☒ 2023-07-01 03:00
 - ☒ 2023-07-01 04:00
 - ☒ 2023-07-02 00:00
 - ☒ 2023-07-02 01:00
 - ☒ 2023-07-02 02:00
 - ☒ 2023-07-02 03:00
 - ☒ 2023-07-02 04:00

Sum of value by parameter



Count of parameter and Sum of value by date





THANK YOU FOR VIEWING!

**THIS INTERACTIVE POWER BI REPORT EXPLORES AIR
QUALITY IN RIYADH USING DYNAMIC VISUALIZATIONS AND
SMART FILTERING.**



TO DOWNLOAD THE FULL POWER BI PROJECT FILE

(PBIX):



PROJECT LINK ON GOOGLE DRIVE



PREPARED BY: MANAR NAJI

**DATA ANALYTICS EMPOWERS SMARTER DECISIONS FOR A
CLEANER FUTURE.**