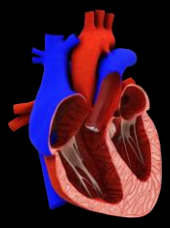


Power BI Project
Healthcare Analysis

Prepared By: Arya Jambhale
Tools used: Power BI, Excel, Word

Introduction:

A simple introduction page that outlines the objective of the project and the key areas covered in the analysis.

Hospitals Dashboard:

It includes data such as the number of hospitals by state, type of ownership (government/private), and regional comparison.

Beds Dashboard:

Focuses on hospital bed availability across different regions.

Medicines Dashboard:

Contains data on various medicines including their names, compositions, and prices. This helps in understanding the pricing and availability of essential drugs.

Insurance Dashboard:

Shows analysis related to health insurance. It includes claims settled, cancelled, or still outstanding helping to understand the efficiency of insurance support in the healthcare system.

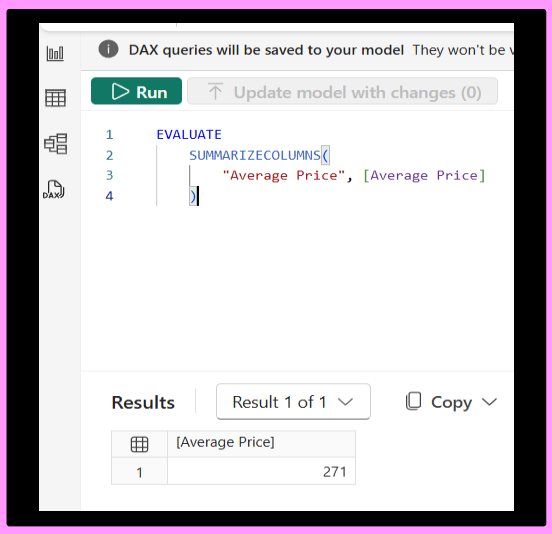
Covid-19 Dashboard:

Provides a visual breakdown of COVID-19 statistics such as total deaths, active cases, recoveries, and total population.

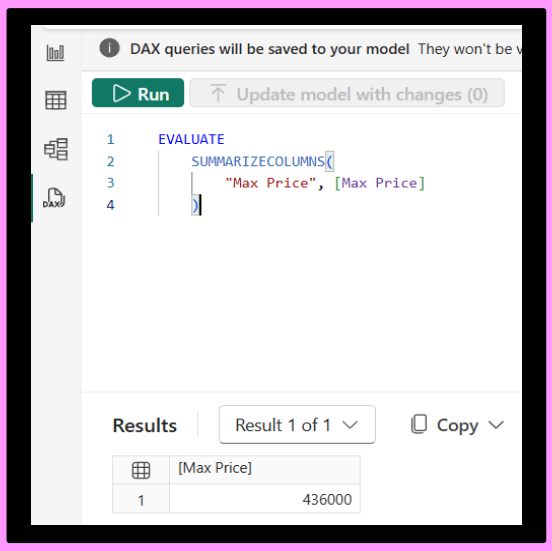
Project Requirements:

- **Five DAX functions**

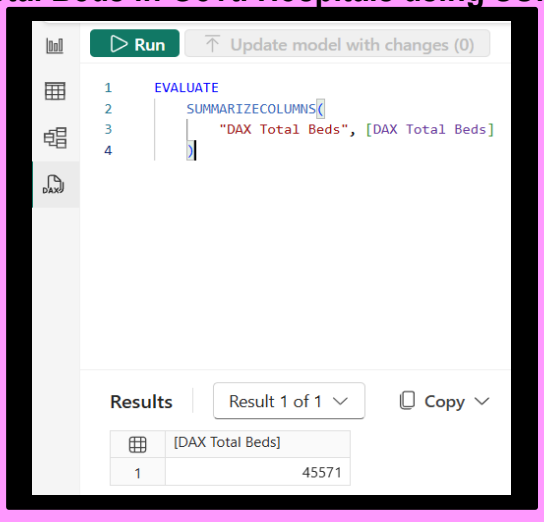
1. **Find Average of the Price Column in Medicine Dataset using AVERAGE function**



2. **Find MAX Price of the Medicines using MAX function**



3. **Find SUM of Total Beds in Govt. Hospitals using SUM function**

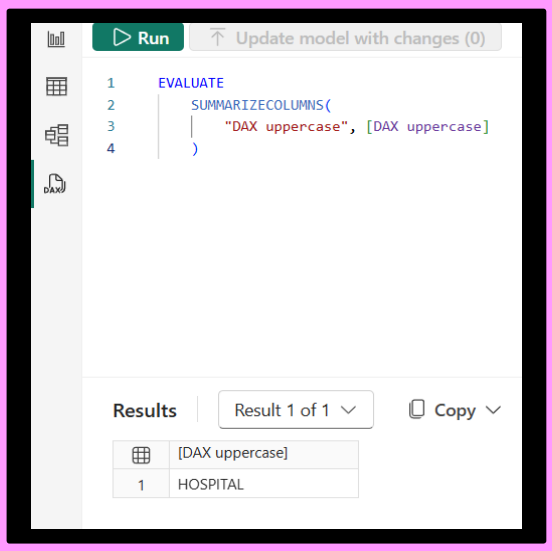


4. **Use ALLEXCEPT function to get Insurer Companies Name column.**

```
1  DAX all except = ALLEXCEPT('departments',departments[Department ID])
```

Column1
Bajaj Allianz General Insurance Co. Ltd.
Bharti AXA General Insurance Co. Ltd.
Cholamandalam MS General Insurance Co. Ltd.
Edelweiss General Insurance Co. Ltd.
Future Generali India Insurance Co. Ltd.
Go Digit General Insurance Ltd.
HDFC ERGO General Insurance Co. Ltd.^
HDFC ERGO General Insurance Co. Ltd.^^
ICICI Lombard General Insurance Co. Ltd.

5. **Using UPPER function to get text in Upper Case**



- **Five M-LANGUAGE functions**

1. **Adding Conditional Columns to get Price Type**
   e.g:- Super Expensive, Expensive, Moderate, Cheap.

```
Table.AddColumn(#"Sorted Rows", "Price Type", each if [#"price(₹)"] >= 80000 then "Super Expensive" else if [#"price(₹)"] >= 50000 then
    "Expensive" else if [#"price(₹)"] >= 10000 then "Moderate" else if [#"price(₹)"] >= 1000 then "Affordable" else if [#"price(₹)"] >= 1
    then "Cheap" else null)
```

	manufacturer_name	type	short_composition1	Medicine Price	Price Type
676	Sun Pharmaceutical Industries Ltd	allopathy	Hyaluronic Acid (8mg)	Hynov 8mg Injection - ₹12511.8	Moderate
677	Sun Pharmaceutical Industries Ltd	allopathy	Paclitaxel (100mg)	Bevetex 100mg Injection - ₹12500	Moderate
678	RPG Life Sciences Ltd	allopathy	Bortezomib (2mg)	Bortemap 2mg Injection - ₹12500	Moderate
679	Tyykem Private Limited	allopathy	Anidulafungin (100mg)	Andulanaac 100 Injection - ₹12500	Moderate

2. Adding Custom Column to get Medicine Name & Price together.

```
= Table.AddColumn(#"Changed Type", "Medicine Price", each [Medicines] & " - ₹" & Text.From([#"price(₹)"]))
```

	price(₹)	manufacturer_name	type	short_composition1	Medicine Price
1	223.42	Glaxo SmithKline Pharmaceuticals Ltd	allopathy	Amoxycillin (500mg)	Augmentin 625 Duo Tablet - ₹223.42
2	132.36	Alembic Pharmaceuticals Ltd	allopathy	Azithromycin (500mg)	Azithral 500 Tablet - ₹132.36
3	118	Glenmark Pharmaceuticals Ltd	allopathy	Ambroxol (30mg/5ml)	Ascoril LS Syrup - ₹118
4	218.81	Sanofi India Ltd	allopathy	Fexofenadine (120mg)	Allegra 120mg Tablet - ₹218.81
5	10.96	Sanofi India Ltd	allopathy	Pheniramine (25mg)	Avil 25 Tablet - ₹10.96
6	241.48	Sanofi India Ltd	allopathy	Montelukast (10mg)	Allegra-M Tablet - ₹241.48

3. Renaming Columns to get more clarity about the data.

```
= Table.Distinct(#"Renamed Columns", {"Medicines"})
```

	Medicines	price(₹)	manufacturer_name
1	Augmentin 625 Duo Tablet	223.42	Glaxo SmithKline Pharmaceuticals Ltd
2	Azithral 500 Tablet	132.36	Alembic Pharmaceuticals Ltd
3	Ascoril LS Syrup	118.00	Glenmark Pharmaceuticals Ltd
4	Allegra 120mg Tablet	218.81	Sanofi India Ltd
5	Avil 25 Tablet	10.96	Sanofi India Ltd
6	Allegra-M Tablet	241.48	Sanofi India Ltd
7	Amoxyclav 625 Tablet	223.27	Abbott
8	Azee 500 Tablet	132.38	Cipla Ltd

4. Splitting column to get the First Name & Last name in different columns.

```
= Table.TransformColumnTypes(#"Split Column by Delimiter",{{"Patient Name.1", type text}, {"Patient Name.2", type text}})
```

	Patient ID	Patient Name.1	Patient Name.2	Gender	Age	City ID
1	1	Morgan	Thompson	MALE	18	
2	2	Avery	Anderson	MALE	19	
3	3	Aisha	Khan	FEMALE	20	
4	4	Adanna	Eze	MALE	20	
5	5	Haruto	Chen	MALE	20	
6	6	Chima	Balogun	FEMALE	20	
7	7	Linda	Davis	MALE	20	

5. Making The Text in UPPER case for more Visibility.