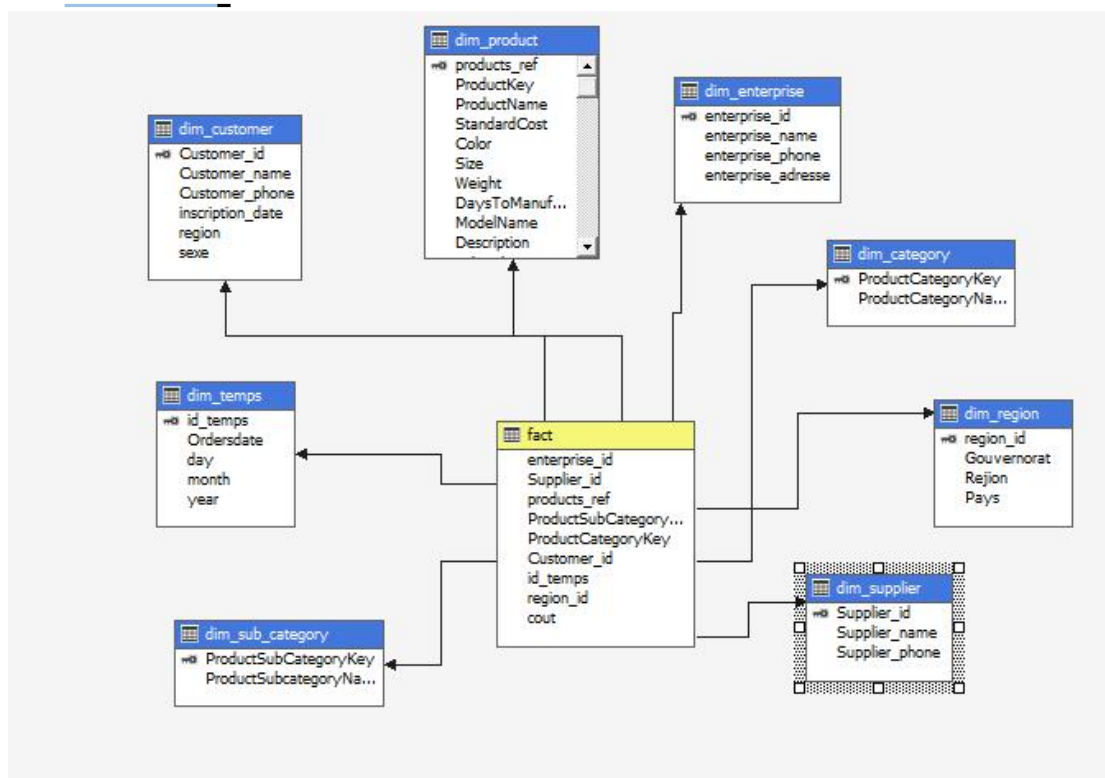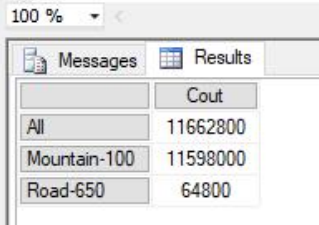# KPI

1. Travail réalisé Par :
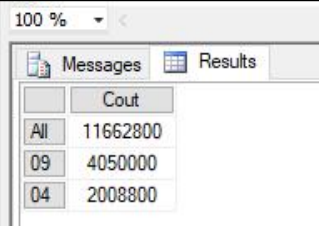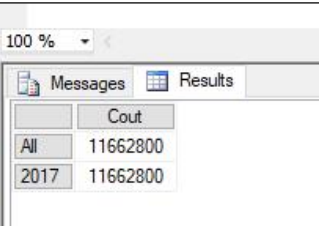
- Abdelhedi Hlel
- Yassine Mhadhebi

2. Schéma:
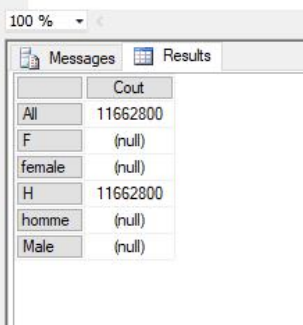
3. KPI :

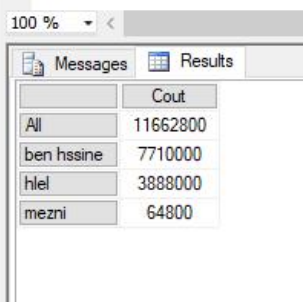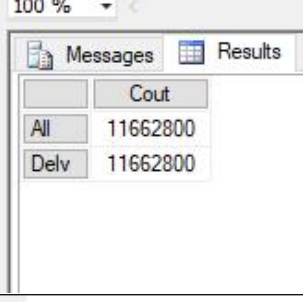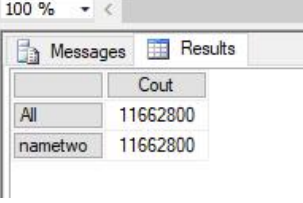## General :

1.	Top Product Revenue	`select [Measures].[Cout] on columns, non empty TOPCOUNT( [Product].[Model Name].members,3, [Measures].[Cout]) on rows from [sales_esp] ;`	Cout — All 11662800 — Mountain-100 11598000 — Road-650 64800
2.	Top month Revenue	`select [Measures].[Cout] on columns, non empty TOPCOUNT([Dim Temps].[Month].members ,3 , [Measures].[Cout]) on rows from [sales_esp] ;`	Cout — All 11662800 — 09 4050000 — 04 2008800
3.	Top year Revenue	`select [Measures].[Cout] on columns, non empty TOPCOUNT([Dim Temps].[Year].members ,3, [Measures].[Cout]) on rows from [sales_esp] ;`	Cout — All 11662800 — 2017 11662800

Specific :

4.	Revenue byRegion	`select [Measures].[Cout] on columns, --non empty [Region].[Rejion].members on rows from [sales_esp] ;`	Cout — All 11662800 — MID EST (null) — MID OUEST (null) — NORD EST 11662800 — NORD OUEST (null) — SUD EST (null) — SUD OUEST (null)
5.	Revenue by Country	`select [Measures].[Cout] on columns, --non empty [Region].[Pays].members on rows from [sales_esp] ;`	Cout — All 11662800 — Tunis 11662800

6.	Revenue By Gouvernment	```select [Measures].[Cout] on columns, --non empty [Region].[Gouvernorat].members on rows from [sales_esp] ;```	100 % Messages / Results <table><tr><td></td><td>Cout</td></tr><tr><td>All</td><td>11662800</td></tr><tr><td>ariana</td><td>(null)</td></tr><tr><td>beja</td><td>(null)</td></tr><tr><td>ben arous</td><td>(null)</td></tr><tr><td>Bizerte</td><td>(null)</td></tr><tr><td>gafsa</td><td>(null)</td></tr><tr><td>kairouan</td><td>(null)</td></tr><tr><td>kasserine</td><td>(null)</td></tr><tr><td>kef</td><td>(null)</td></tr><tr><td>kibili</td><td>(null)</td></tr><tr><td>manouba</td><td>(null)</td></tr><tr><td>sfax</td><td>(null)</td></tr><tr><td>silyana</td><td>(null)</td></tr><tr><td>touzeur</td><td>(null)</td></tr><tr><td>tunis</td><td>11662800</td></tr><tr><td>tunis 2</td><td>(null)</td></tr></table>
7.	Revenue By Gender	```select [Measures].[Cout] on columns, --non empty [Dim Customer].[Sexe].members on rows from [sales_esp] ;```	100 % Messages / Results <table><tr><td></td><td>Cout</td></tr><tr><td>All</td><td>11662800</td></tr><tr><td>F</td><td>(null)</td></tr><tr><td>female</td><td>(null)</td></tr><tr><td>H</td><td>11662800</td></tr><tr><td>homme</td><td>(null)</td></tr><tr><td>Male</td><td>(null)</td></tr></table>

Top 5 Revenue by:

8.	Customers	```select [Measures].[Cout] on columns, non empty TOPCOUNT([Dim Customer].[Customer Name].members ,5, [Measures].[Cout]) on rows from [sales_esp] ;```	100 % Messages / Results <table><tr><td></td><td>Cout</td></tr><tr><td>All</td><td>11662800</td></tr><tr><td>ben hssine</td><td>7710000</td></tr><tr><td>hlel</td><td>3888000</td></tr><tr><td>mezni</td><td>64800</td></tr></table>
9.	Enterprise	```select [Measures].[Cout] on columns, non empty TOPCOUNT([Enterprise].[Enterprise Id].members ,5, [Measures].[Cout]) on rows from [sales_esp] ;```	100 % Messages / Results <table><tr><td></td><td>Cout</td></tr><tr><td>All</td><td>11662800</td></tr><tr><td>Delv</td><td>11662800</td></tr></table>
10.	Supplier	```select [Measures].[Cout] on columns, non empty TOPCOUNT([Dim Supplier].[Supplier Name].members ,5, [Measures].[Cout]) on rows from [sales_esp] ;```	100 % Messages / Results <table><tr><td></td><td>Cout</td></tr><tr><td>All</td><td>11662800</td></tr><tr><td>nametwo</td><td>11662800</td></tr></table>

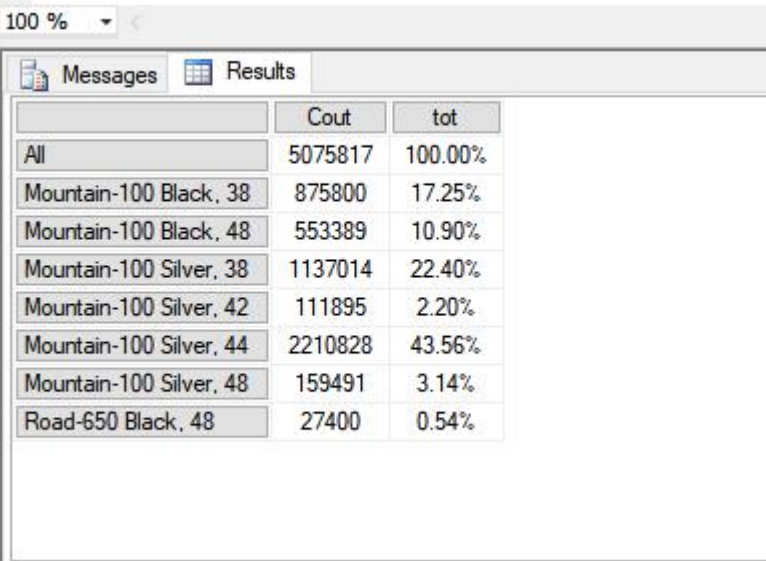|		

11. <u>Category Product</u>	`select [Measures].[Cout]`
	`on columns,`
	`--non empty`
	`TOPCOUNT([Category].[Prod`
	`uct Category`
	`Key].members ,5,`
	`[Measures].[Cout]) on rows`
	`from [sales_esp] ;`
		
		100 %
		
		Messages Results
		
		|
			Cout

---	---
All	11662800
Bikes	11662800
Accessories	(null)
Clothing	(null)
Components	(null)	

12. <u>Region</u>	`select [Measures].[Cout]`
	`on columns,`
	`--non empty`
	`TOPCOUNT([Region].[Rejion`
	`].members ,5,`
	`[Measures].[Cout]) on rows`
	`from [sales_esp] ;`
		
		100 %
		
		Messages Results
		
		|
			Cout

---	---
All	11662800
NORD EST	11662800
MID EST	(null)
MID OUEST	(null)
NORD OUEST	(null)	

13. <u>Country</u>	`select [Measures].[Cout]`
	`on columns,`
	`--non empty`
	`TOPCOUNT([Region].[Pays].`
	`members ,5,`
	`[Measures].[Cout]) on rows`
	`from [sales_esp] ;`
		
		100 %
		
		Messages Results
		
		|
			Cout

---	---
All	11662800
Tunis	11662800	

14. <u>Mounth</u>	`select [Measures].[Cout]`
	`on columns,`
	`--non empty`
	`TOPCOUNT([Dim`
	`Temps].[Month].members ,5`
	`, [Measures].[Cout]) on`
	`rows`
	`from [sales_esp] ;`
		
		100 %
		
		Messages Results
		
		|
			Cout

---	---
All	11662800
09	4050000
04	2008800
02	1944000
05	1350000	

Varriation :

15.	Tendance de vente	```select [Measures].[Cout]``` on columns, non empty Order(({[Dim Temps].[Year].members}, {[Dim Temps].[Month].members}), [Measures].[Cout],BASC) on rows from [sales_esp] ;	

15.	Tendance de vente

```
select [Measures].[Cout]
on columns,
non empty
Order(
({[Dim
Temps].[Year].members},
{[Dim
Temps].[Month].members}),
[Measures].[Cout],BASC
) on rows
from [sales_esp] ;
```

100 %

Messages   Results

		Cout
All	01	450000
2017	01	450000
All	11	540000
2017	11	540000
All	12	1320000
2017	12	1320000
All	05	1350000
2017	05	1350000
All	02	1944000
2017	02	1944000
All	04	2008800
2017	04	2008800
All	09	4050000
2017	09	4050000
All	All	11662800
2017	All	11662800

16.	Product Revenue by Mounth

```
select [Measures].[Cout]
on columns,
non empty
({[Product].[Model
Name].members},
{[Dim
Temps].[Month].members})
on rows
from [sales_esp] ;
```

100 %

Messages   Results

		Cout
All	All	11662800
All	01	450000
All	02	1944000
All	04	2008800
All	05	1350000
All	09	4050000
All	11	540000
All	12	1320000
Mountain-100	All	11598000
Mountain-100	01	450000
Mountain-100	02	1944000
Mountain-100	04	1944000
Mountain-100	05	1350000
Mountain-100	09	4050000
Mountain-100	11	540000
Mountain-100	12	1320000
Road-650	All	64800
Road-650	04	64800

17.	Revenue by Gender and Category

```
select [Measures].[Cout]
on columns,
non empty
({[Dim
Customer].[Sexe].members}
,
{[Sub Category].[Product
Sub Category
Key].members}) on rows
from [sales_esp] ;
```

100 %

Messages   Results

		Cout
All	All	11662800
All	1	11598000
All	2	64800
H	All	11662800
H	1	11598000
H	2	64800

New requete : Pourcentage de Vente

```
--new Requéte
with member measures.tot as
IIF(([Measures].[Cout],[Product].[Product])=0,
null,
[Measures].[Cout] /
 ([Measures].[Cout],[Product].[Product])
 ), FORMAT_STRING ="PERCENT"

select {[Measures].[Cout],[Measures].[tot]} on columns,
        non empty [Product].[Product Name].members on rows
from sales_hy;
```

100 %

Messages   Results

	Cout	tot
All	5075817	100.00%
Mountain-100 Black, 38	875800	17.25%
Mountain-100 Black, 48	553389	10.90%
Mountain-100 Silver, 38	1137014	22.40%
Mountain-100 Silver, 42	111895	2.20%
Mountain-100 Silver, 44	2210828	43.56%
Mountain-100 Silver, 48	159491	3.14%
Road-650 Black, 48	27400	0.54%