

INSTITUTO TECNOLÓGICO DE CULIACÁN

Unidad 3:

Minería de datos

MATERIA:

Temas selectos de bases de datos

ACTIVIDAD:

U3 T1 Expresiones RAESERVICIOS

CARRERA:

Ingeniería en Sistemas Computacionales

MAESTRO:

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INTEGRANTES EQUIPO:

Castro Cruz Luis Daniel

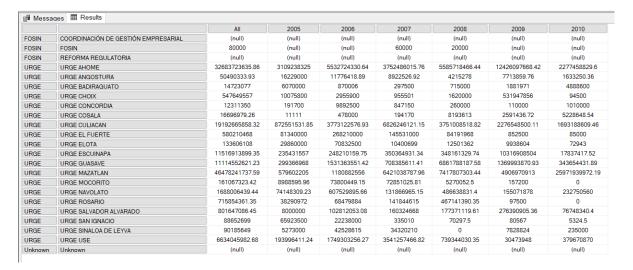
Félix Fierro Ryan Guadalupe

Flores Mascareño America Citlaly

1.-Monto de inversión durante los años por nombre de grupo y nombre de ventanilla.

Impresión de consulta MDX

```
[VW RAESERVICIOS].[AÑO].MEMBERS on columns, CROSSJOIN(
{[VENTANILLAS].[NOMBRE].CHILDREN},
{[VENTANILLAS].[NOMVEN].CHILDREN}) ON ROWS
FROM FOLIOSSERVICIOS
WHERE MEASURES.MONTOINVERSION
```



```
SELECT G.NOMBRE, V.NOMVEN,

'ALL' =SUM(R.MONTOINVERSION),

'2005' = SUM(CASE WHEN YEAR(R.FECHA) = 2005 THEN R.MONTOINVERSION END),

'2006' = SUM(CASE WHEN YEAR(R.FECHA) = 2006 THEN R.MONTOINVERSION END),

'2007' = SUM(CASE WHEN YEAR(R.FECHA) = 2007 THEN R.MONTOINVERSION END),

'2008' = SUM(CASE WHEN YEAR(R.FECHA) = 2008 THEN R.MONTOINVERSION END),

'2009' = SUM(CASE WHEN YEAR(R.FECHA) = 2009 THEN R.MONTOINVERSION END),

'2010' = SUM(CASE WHEN YEAR(R.FECHA) = 2010 THEN R.MONTOINVERSION END),

FROM RAESERVICIOS R

INNER JOIN VENTANILLAS V ON R.VENTANILLA = V.VENTANILLA

INNER JOIN GRUPOS G ON V.GRUPO = G.GRUPO

GROUP BY G.NOMBRE, V.NOMVEN
```

⊞ F	Results 📑	Messages							
	nombre	nomven	ALL	2005	2006	2007	2008	2009	2010
1	FOSIN	FOSIN	80000.00	NULL	NULL	60000.00	20000.00	NULL	NULL
2	URGE	URGE AHOME	32683723635.86	3109238325.00	5532724330.64	3752486015.76	5585718466.44	12426097668.42	2277458829.60
3	URGE	URGE ANGOSTURA	50490333.93	16229000.00	11776418.89	8922526.92	4215278.00	7713859.76	1633250.36
4	URGE	URGE BADIRAGUATO	14723077.00	6070000.00	870006.00	297500.00	715000.00	1881971.00	4888600.00
5	URGE	URGE CHOIX	547649557.00	10075800.00	2955900.00	955501.00	1620000.00	531947856.00	94500.00
6	URGE	URGE CONCORDIA	12311350.00	191700.00	9892500.00	847150.00	260000.00	110000.00	1010000.00
7	URGE	URGE COSALA	16696979.26	11111.00	478000.00	194170.00	8193613.00	2591436.72	5228648.54
8	URGE	URGE CULIACAN	19192665858.32	872551531.85	3773122576.93	6826246121.15	3751008518.82	2276548500.11	1693188609.46
9	URGE	URGE EL FUERTE	580210468.00	81340000.00	268210000.00	145531000.00	84191968.00	852500.00	85000.00
10	URGE	URGE ELOTA	133606108.00	29860000.00	70832500.00	10400699.00	12501362.00	9938604.00	72943.00
11	URGE	URGE ESCUINAPA	11516913899.35	235431557.00	248210159.75	350364931.34	348161329.74	10316908504.00	17837417.52
12	URGE	URGE GUASAVE	11114552621.23	299366968.00	1531363551.42	708385611.41	6861788187.58	1369993870.93	343654431.89
13	URGE	URGE MAZATLAN	46478241737.59	579602205.00	1180882556.00	6421038787.96	7417807303.44	4906970913.00	25971939972.1
14	URGE	URGE MOCORITO	161067323.42	8988595.96	73800449.15	72851025.81	5270052.50	157200.00	0.00
15	URGE	URGE NAVOLATO	1688006439.44	74148309.23	607529895.66	131866965.15	486638831.40	155071878.00	232750560.00
16	URGE	URGE ROSARIO	715854361.35	38290972.00	68479884.00	141844615.00	467141390.35	97500.00	0.00
17	URGE	URGE SALVADOR ALVARADO	801647086.45	8000000.00	102812053.08	160324668.00	177371119.61	276390905.36	76748340.40
18	URGE	URGE SAN IGNACIO	88652699.00	65923500.00	22238000.00	335010.00	70297.50	80567.00	5324.50
19	URGE	URGE SINALOA DE LEYVA	90185649.00	5273000.00	42528615.00	34320210.00	0.00	7828824.00	235000.00
20	URGE	URGE USE	6634045982.68	193996411.24	1749303256.27	3541257466.82	739344030.35	30473948.00	379670870.00

2.-Monto de inversión por nombre de los grupos durante los años.

Impresión de consulta MDX

```
SELECT
[VENTANILLAS].[NOMBRE].CHILDREN ON COLUMNS,
[VW RAESERVICIOS].[AÑO].MEMBERS ON ROWS
FROM FOLIOSSERVICIOS
WHERE MEASURES.MONTOINVERSION
```

All 80000 132521245166.88 (2005 (null) 5634588986.28 (2006 (null) 15298010652.79 (2007 60000 22308469975.32 (2008 20000 25952016748.73 (≣ Results	ssages	B Mes
2005 (null) 5634588986.28 (2006 (null) 15298010652.79 (2007 60000 22308469975.32 (2008 20000 25952016748.73 (known	Unknow	URGE	FOSIN	
2006 (null) 15298010652.79 (2007 60000 22308469975.32 (2008 20000 25952016748.73 (null)	(null)	132521245166.8	80000	All
2007 60000 22308469975.32 (2008 20000 25952016748.73 (null)	(null)	5634588986.28	(null)	2005
2008 20000 25952016748.73 (null)	(null)	15298010652.7	(null)	2006
2000 20000 20002010110110 (null)	(null)	22308469975.3	60000	2007
22221656506.2	null)	(null)	25952016748.7	20000	2008
2009 (null) 32321000000.3 (null)	(null)	32321656506.3	(null)	2009
2010 (null) 31006502297.46 (null)	(null)	31006502297.4	(null)	2010

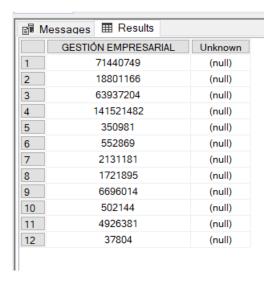
```
SELECT CONVERT(VARCHAR(4), YEAR(R.FECHA)) AS 'AÑO',
SUM (CASE WHEN G.NOMBRE = 'FOSIN' THEN R.MONTOINVERSION END )AS 'FOSIN',
SUM (CASE WHEN G.NOMBRE = 'URGE' THEN R.MONTOINVERSION END )AS 'URGE'
FROM GRUPOS G
INNER JOIN VENTANILLAS V ON V.GRUPO = G.GRUPO
INNER JOIN RAESERVICIOS R ON R.VENTANILLA = V.VENTANILLA
GROUP BY YEAR(R.FECHA), G.NOMBRE
UNION
SELECT
'ALL',
SUM (CASE WHEN G.NOMBRE = 'FOSIN' THEN R.MONTOINVERSION END )AS 'FOSIN',
SUM (CASE WHEN G.NOMBRE = 'URGE' THEN R.MONTOINVERSION END )AS 'URGE'
FROM GRUPOS G
INNER JOIN VENTANILLAS V ON V.GRUPO = G.GRUPO
INNER JOIN RAESERVICIOS R ON R.VENTANILLA = V.VENTANILLA
```

⊞ R	Results	Message Message	ges
	AÑO	FOSIN	URGE
1	2005	NULL	5634588986.28
2	2006	NULL	15298010652.79
3	2007	NULL	22308469975.32
4	2007	60000.00	NULL
5	2008	NULL	25952016748.73
6	2008	20000.00	NULL
7	2009	NULL	32321656506.30
8	2010	NULL	31006502297.46
9	ALL	80000.00	132521245166.88

3.-Empleos a generar con el nombre de familias de servicios por mes

Impresión de consulta MDX

SELECT
[SERVICIOS].[NOMBRE].CHILDREN ON COLUMNS,
[VW RAESERVICIOS].[MES].CHILDREN ON ROWS
FROM FOLIOSSERVICIOS
WHERE MEASURES.EMPLEOSGENERAR



```
SELECT
'GESTION EMPRESARIAL' = SUM (CASE WHEN SB.FAMILIA = 1 THEN
EMPLEOSGENERAR END)
FROM SERVICIOS S
INNER JOIN SUBFAMILIAS SB ON SB.SUBFAMILIA = S.SUBFAMILIA
INNER JOIN FAMILIAS F ON F.FAMILIA = SB.FAMILIA
INNER JOIN RAESERVICIOS R ON R.SERVICIO = S.SERVICIO
GROUP BY MONTH (R.Fecha)
```

⊞F	Results 📑 Messages
	GESTION EMPRESARIAL
1	71440749
2	18801166
3	63937204
4	141521482
5	350981
6	552869
7	2131181
8	1721895
9	6696014
10	502144
11	4926381
12	37804

4.-Empleos a generar con el nombre de familias de servicios por mes

Impresión de consulta MDX

SELECT
[VW RAESERVICIOS].[AÑO].MEMBERS ON COLUMNS,
[USUARIOS].[NOMBRE].MEMBERS ON ROWS
FROM [FOLIOSSERVICIOS]
WHERE MEASURES.EMPLEOSGENERAR



```
SELECT ' ALL' AS [NOMBRE DE USUARIO],
'ALL' = SUM (R.EMPLEOSGENERAR),
'2005'= SUM(CASE WHEN YEAR(R.FECHA) =2005 THEN R.EMPLEOSGENERAR END ),
'2006' = SUM(CASE WHEN YEAR(R.FECHA) = 2006 THEN R.EMPLEOSGENERAR END ) ,
'2007' = SUM(CASE WHEN YEAR(R.FECHA) = 2007 THEN R.EMPLEOSGENERAR END ) ,
'2008' = SUM(CASE WHEN YEAR(R.FECHA) = 2008 THEN R.EMPLEOSGENERAR END
'2009' = SUM(CASE WHEN YEAR(R.FECHA) = 2009 THEN R.EMPLEOSGENERAR END
'2010'= SUM(CASE WHEN YEAR(R.FECHA) =2010 THEN R.EMPLEOSGENERAR END )
FROM RAESERVICIOS R
INNER JOIN USUARIOS U ON U.USUARIO = R.USUARIO
UNION
SELECT U.NOMBRE,
'ALL' = SUM (R.EMPLEOSGENERAR),
'2005' = SUM(CASE WHEN YEAR(R.FECHA) = 2005 THEN R.EMPLEOSGENERAR END ),
'2006'= SUM(CASE WHEN YEAR(R.FECHA) =2006 THEN R.EMPLEOSGENERAR END ) ,
'2007'= SUM(CASE WHEN YEAR(R.FECHA) =2007 THEN R.EMPLEOSGENERAR END
'2008'= SUM(CASE WHEN YEAR(R.FECHA) =2008 THEN R.EMPLEOSGENERAR END
'2009'= SUM(CASE WHEN YEAR(R.FECHA) =2009 THEN R.EMPLEOSGENERAR END ) ,
'2010'= SUM(CASE WHEN YEAR(R.FECHA) =2010 THEN R.EMPLEOSGENERAR END )
FROM RAESERVICIOS R
INNER JOIN USUARIOS U ON U.USUARIO = R.USUARIO
GROUP BY U.NOMBRE
ORDER BY 1 ASC
```

100 //								
⊞ R	esults 🗐 Messages							
	Nombre de Usuario	All	2005	2006	2007	2008	2009	2010
1	ALL	312619870	2015249	1042381	72993527	205428092	30584725	555896
2	ADRIANA MORAN DIAZ	0	NULL	NULL	NULL	NULL	0	NULL
3	ALFONSO GAMALIEL REYES ARELLANO	263	71	192	NULL	NULL	NULL	NULL
4	ALICIA VERDUGO CAMPOS	623356	NULL	682	687	525512	96289	186
5	ARMANDO JAIR MORENO BERNAL	1535	1535	NULL	NULL	NULL	NULL	NULL
6	BRENDA MARITZA GARCIA QUINTERO	503	NULL	NULL	NULL	NULL	162	341
7	CARLOS BORROEL BAZUA	331	331	NULL	NULL	NULL	NULL	NULL
8	CARMEN LEYVA ROBLES	1114421	871	2327	307666	803557	NULL	NULL
9	CONRADO LOAIZA LOAIZA	499109	272	83	400064	795	97895	NULL
10	CRISTIAN ZAMORA NIEBLA	121	10	34	74	3	NULL	NULL
11	CRUZ ALFREDO LOPEZ ARMENTA	1	NULL	NULL	1	0	NULL	NULL
12	DAGOBERTO LARA BUSTAMANTE	1	NULL	NULL	1	NULL	NULL	NULL
13	DANIEL ESPARZA SOTO	80	80	NULL	NULL	NULL	NULL	NULL
14	DANIEL GARCIA CAZAREZ	15714	NULL	NULL	NULL	658	11563	3493
15	DIANA ROSALIA CAZAREZ BONILLA	8890960	NULL	93	1114	1776	8887760	217
16	DIEGO OBESO MONOYA	71832	937	163	15531	20125	35076	NULL
17	DULCE DEL CARMEN CSTRO GARCÍA	10	NULL	NULL	1	5	4	0
18	EDITH CHIQUETE RODRIGUEZ	637	190	404	43	0	NULL	NULL
19	ELDA FABIOLA IBARRA VALDEZ	0	0	NULL	NULL	NULL	NULL	NULL
20	ELIZABETH MORALES ZAMORA	13855	578	3817	7392	2068	NULL	NULL
21	EZEQUIEL MAGAÑA RODRIGUEZ	337	NULL	NULL	NULL	1	20	316
22	Fernando Nuñez Díaz	254	NULL	NULL	4	120	91	39
าา	ELAVIO CADDEDA ILIADEZ	45006	MILIE I	MILIE I	MILILI	NIL II. I	5	45001

5.-Empleos a generar con el nombre de familias de servicios por mes

Impresión de consulta MDX

SELEC₁

[VW RAESERVICIOS].[MES].MEMBERS ON COLUMNS, [VENTANILLAS].[NOMVEN].MEMBERS ON ROWS FROM [FOLIOSSERVICIOS] WHERE MEASURES.EMPLEOSGENERAR

	All	1	2	3	4	5	6	7	8	9	10	11	12
COORDINACIÓN DE GESTIÓN EMPRESARIAL	(null)	(null)	(null)	(null)	(null)	(null)	(null)	(null)	(null)	(null)	(null)	(null)	(null)
FOSIN	6	(null)	(null)	(null)	1	0	5	(null)	(null)	(null)	0	(null)	(null)
REFORMA REGULATORIA	(null)	(null)	(null)	(null)	(null)	(null)	(null)	(null)	(null)	(null)	(null)	(null)	(null)
URGE AHOME	1141560	4340	801908	1902	3639	2237	4561	2990	301255	1995	12564	3170	999
URGE ANGOSTURA	122031	15057	68	85	48	65057	40068	101	1169	191	90	43	54
URGE BADIRAGUATO	127	0	3	3	4	17	1	34	26	22	11	6	0
URGE CHOIX	3321	5	12	3007	6	18	26	23	45	66	28	66	19
URGE CONCORDIA	147	7	0	7	14	14	9	6	10	5	37	32	6
URGE COSALA	292	15	73	9	18	11	76	22	29	9	2	25	3
URGE CULIACAN	9560954	216617	4912745	12443	3499784	44589	501894	21644	256401	2965	89694	1423	755
URGE EL FUERTE	1637	0	3	341	60	48	247	497	280	67	5	89	0
URGE ELOTA	872	7	55	46	205	177	19	31	136	44	38	90	24
URGE ESCUINAPA	9968	410	602	3030	157	677	1505	177	523	286	645	1188	768
URGE GUASAVE	29818521	14158961	12001136	21130	3001256	1614	1271	1061	554673	2230	73462	1193	534
URGE MAZATLAN	267484831	57019164	2596	63752342	135005172	2033	2035	2496	4277	6605223	182307	4907013	173
URGE MOCORITO	321467	25063	106	60389	125	55150	21	6	77	21	140362	10147	30000
URGE NAVOLATO	6126	201	410	492	169	238	228	247	891	2178	753	141	178
URGE ROSARIO	611746	15	304	67	10225	159	124	123	600079	96	87	456	- 11
URGE SALVADOR ALVARADO	2280	403	131	353	173	107	137	112	98	241	349	158	18
URGE SAN IGNACIO	400384	4	80007	80003	26	80018	55	80028	163	80007	32	20	21
URGE SINALOA DE LEYVA	2453	86	124	146	125	64	108	798	152	141	233	470	6
URGE USE	3131147	394	1000883	1409	275	98753	479	2020785	1611	227	1445	651	4235
Unknown	(null)	(null)	(null)	(null)	(null)	(null)	(null)	(null)	(null)	(null)	(null)	(null)	(null)

```
SELECT
V.NOMVEN,
SUM(RS.EMPLEOSGENERAR) AS 'ALL',
SUM(CASE WHEN MONTH(RS.FECHA) = 1 THEN RS.EMPLEOSGENERAR ELSE NULL END) AS '1',
SUM(CASE WHEN MONTH(RS.FECHA) = 2 THEN RS.EMPLEOSGENERAR ELSE NULL END) AS '2',
SUM(CASE WHEN MONTH(RS.FECHA) = 3 THEN RS.EMPLEOSGENERAR ELSE NULL END) AS '3',
SUM(CASE WHEN MONTH(RS.FECHA) = 4 THEN RS.EMPLEOSGENERAR ELSE NULL END) AS '4',
SUM(CASE WHEN MONTH(RS.FECHA) = 5 THEN RS.EMPLEOSGENERAR ELSE NULL END) AS '5',
SUM(CASE WHEN MONTH(RS.FECHA) = 6 THEN RS.EMPLEOSGENERAR ELSE NULL END) AS '6',
SUM(CASE WHEN MONTH(RS.FECHA) = 7 THEN RS.EMPLEOSGENERAR ELSE NULL END) AS '7'
SUM(CASE WHEN MONTH(RS.FECHA) = 8 THEN RS.EMPLEOSGENERAR ELSE NULL END) AS '8'
SUM(CASE WHEN MONTH(RS.FECHA) = 9 THEN RS.EMPLEOSGENERAR ELSE NULL END) AS '9',
SUM(CASE WHEN MONTH(RS.FECHA) = 10 THEN RS.EMPLEOSGENERAR ELSE NULL END) AS '10'
SUM(CASE WHEN MONTH(RS.FECHA) = 11 THEN RS.EMPLEOSGENERAR ELSE NULL END) AS '11',
SUM(CASE WHEN MONTH(RS.FECHA) = 12 THEN RS.EMPLEOSGENERAR ELSE NULL END) AS '12'
FROM RAESERVICIOS RS
RIGHT JOIN VENTANILLAS V ON V. VENTANILLA = RS. VENTANILLA
GROUP BY V. NOMVEN
UNION
SELECT
'ALL',
SUM(RS.EMPLEOSGENERAR) AS 'ALL',
SUM(CASE WHEN MONTH(RS.FECHA) = 1 THEN RS.EMPLEOSGENERAR ELSE NULL END) AS '1',
SUM(CASE WHEN MONTH(RS.FECHA) = 2 THEN RS.EMPLEOSGENERAR ELSE NULL END) AS '2',
SUM(CASE WHEN MONTH(RS.FECHA) = 3 THEN RS.EMPLEOSGENERAR ELSE NULL END) AS '3',
SUM(CASE WHEN MONTH(RS.FECHA) = 4 THEN RS.EMPLEOSGENERAR ELSE NULL END) AS '4',
SUM(CASE WHEN MONTH(RS.FECHA) = 5 THEN RS.EMPLEOSGENERAR ELSE NULL END) AS '5',
SUM(CASE WHEN MONTH(RS.FECHA) = 6 THEN RS.EMPLEOSGENERAR ELSE NULL END) AS '6',
SUM(CASE WHEN MONTH(RS.FECHA) = 7 THEN RS.EMPLEOSGENERAR ELSE NULL END) AS '7'
SUM(CASE WHEN MONTH(RS.FECHA) = 8 THEN RS.EMPLEOSGENERAR ELSE NULL END) AS '8'
SUM(CASE WHEN MONTH(RS.FECHA) = 9 THEN RS.EMPLEOSGENERAR ELSE NULL END) AS '9'
SUM(CASE WHEN MONTH(RS.FECHA) = 10 THEN RS.EMPLEOSGENERAR ELSE NULL END) AS '10',
SUM(CASE WHEN MONTH(RS.FECHA) = 11 THEN RS.EMPLEOSGENERAR ELSE NULL END) AS '11',
SUM(CASE WHEN MONTH(RS.FECHA) = 12 THEN RS.EMPLEOSGENERAR ELSE NULL END) AS '12'
FROM RAESERVICIOS RS
```

	NOMVEN	ALL	1	2	3	4	5	6	7	8	9	10	11	12
1	ALL	312619870	71440749	18801166	63937204	141521482	350981	552869	2131181	1721895	6696014	502144	4926381	37804
2	COORDINACIÓN DE GESTIÓN EMPRESARIAL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
3	FOSIN	6	NULL	NULL	NULL	1	0	5	NULL	NULL	NULL	0	NULL	NULL
4	REFORMA REGULATORIA	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
5	URGE AHOME	1141560	4340	801908	1902	3639	2237	4561	2990	301255	1995	12564	3170	999
6	URGE ANGOSTURA	122031	15057	68	85	48	65057	40068	101	1169	191	90	43	54
7	URGE BADIRAGUATO	127	0	3	3	4	17	1	34	26	22	11	6	0
8	URGE CHOIX	3321	5	12	3007	6	18	26	23	45	66	28	66	19
9	URGE CONCORDIA	147	7	0	7	14	14	9	6	10	5	37	32	6
10	URGE COSALA	292	15	73	9	18	11	76	22	29	9	2	25	3
11	URGE CULIACAN	9560954	216617	4912745	12443	3499784	44589	501894	21644	256401	2965	89694	1423	755
12	URGE EL FUERTE	1637	0	3	341	60	48	247	497	280	67	5	89	0
13	URGE ELOTA	872	7	55	46	205	177	19	31	136	44	38	90	24
14	URGE ESCUINAPA	9968	410	602	3030	157	677	1505	177	523	286	645	1188	768
15	URGE GUASAVE	29818521	14158961	12001136	21130	3001256	1614	1271	1061	554673	2230	73462	1193	534
16	URGE MAZATLAN	267484831	57019164	2596	63752342	135005172	2033	2035	2496	4277	6605223	182307	4907013	173
17	URGE MOCORITO	321467	25063	106	60389	125	55150	21	6	77	21	140362	10147	30000
18	URGE NAVOLATO	6126	201	410	492	169	238	228	247	891	2178	753	141	178
19	URGE ROSARIO	611746	15	304	67	10225	159	124	123	600079	96	87	456	11
20	URGE SALVADOR ALVARADO	2280	403	131	353	173	107	137	112	98	241	349	158	18
21	URGE SAN IGNACIO	400384	4	80007	80003	26	80018	55	80028	163	80007	32	20	21
22	URGE SINALOA DE LEYVA	2453	86	124	146	125	64	108	798	152	141	233	470	6
23	URGE USE	3131147	394	1000883	1409	275	98753	479	2020785	1611	227	1445	651	4235

6.-Empleos a generar por meses durante los años

Impresión de consulta MDX

```
SELECT [VW RAESERVICIOS].[AÑO].MEMBERS ON COLUMNS, [VW RAESERVICIOS].[MES].MEMBERS ON ROWS FROM [FOLIOSSERVICIOS]
WHERE [MEASURES].[EMPLEOSGENERAR]
```

	All	2005	2006	2007	2008	2009	2010
All	312619870	2015249	1042381	72993527	205428092	30584725	555896
1	71440749	209	5553	27140373	30174175	14092944	27495
2	18801166	160	1001163	12082084	843214	4873202	1343
3	63937204	314	734	30102431	33751040	15209	67476
4	141521482	677	581	3003846	135043011	3471434	1933
5	350981	2401	787	137625	24148	134180	51840
6	552869	2022	1602	2485	23527	521859	1374
7	2131181	2001157	1269	106322	1691	19820	922
8	1721895	3170	1633	307249	257058	750896	401889
9	6696014	1009	944	83368	6768	6603055	870
10	502144	866	3313	1810	395030	100371	754
11	4926381	2469	2565	12465	4907564	1318	(null)
12	37804	795	22237	13469	866	437	(null)

```
SELECT 'ALL' AS [MES],
'ALL' = SUM (R.EMPLEOSGENERAR),
'2005' = SUM(CASE WHEN YEAR(R.FECHA) = 2005 THEN R.EMPLEOSGENERAR END ),
'2006' = SUM(CASE WHEN YEAR(R.FECHA) = 2006 THEN R.EMPLEOSGENERAR END ) ,
'2007'= SUM(CASE WHEN YEAR(R.FECHA) =2007 THEN R.EMPLEOSGENERAR END ) ,
'2008' = SUM(CASE WHEN YEAR(R.FECHA) = 2008 THEN R.EMPLEOSGENERAR END ) ,
'2009'= SUM(CASE WHEN YEAR(R.FECHA) =2009 THEN R.EMPLEOSGENERAR END ) ,
'2010' = SUM(CASE WHEN YEAR(R.FECHA) = 2010 THEN R.EMPLEOSGENERAR END )
FROM RAESERVICIOS R
UNION
SELECT CAST(MONTH(R.FECHA) AS VARCHAR),
'ALL' = SUM (R.EMPLEOSGENERAR),
'2005' = SUM(CASE WHEN YEAR(R.FECHA) = 2005 THEN R.EMPLEOSGENERAR END ),
'2006' = SUM(CASE WHEN YEAR(R.FECHA) = 2006 THEN R.EMPLEOSGENERAR END ) ,
'2007' = SUM(CASE WHEN YEAR(R.FECHA) = 2007 THEN R.EMPLEOSGENERAR END ) ,
'2008' = SUM(CASE WHEN YEAR(R.FECHA) = 2008 THEN R.EMPLEOSGENERAR END ) ,
'2009' = SUM(CASE WHEN YEAR(R.FECHA) = 2009 THEN R.EMPLEOSGENERAR END ) ,
'2010'= SUM(CASE WHEN YEAR(R.FECHA) =2010 THEN R.EMPLEOSGENERAR END )
FROM RAESERVICIOS R
GROUP BY MONTH(R.FECHA)
ORDER BY 1 ASC
```

	Mes	ALL	2005	2006	2007	2008	2009	2010
1	1	71440749	209	5553	27140373	30174175	14092944	27495
2	10	502144	866	3313	1810	395030	100371	754
3	11	4926381	2469	2565	12465	4907564	1318	NULL
4	12	37804	795	22237	13469	866	437	NULL
5	2	18801166	160	1001163	12082084	843214	4873202	1343
6	3	63937204	314	734	30102431	33751040	15209	67476
7	4	141521482	677	581	3003846	135043011	3471434	1933
8	5	350981	2401	787	137625	24148	134180	51840
9	6	552869	2022	1602	2485	23527	521859	1374
10	7	2131181	2001157	1269	106322	1691	19820	922
11	8	1721895	3170	1633	307249	257058	750896	401889
12	9	6696014	1009	944	83368	6768	6603055	870
13	ALL	312619870	2015249	1042381	72993527	205428092	30584725	555896

7.-Todas las medidas por nombre de grupo

Impresión de consulta MDX

SELECT [MEASURES].MEMBERS ON COLUMNS, [VENTANILLAS].[NOMBRE].CHILDREN ON ROWS FROM [FOLIOSSERVICIOS]

a Messaq	es III Results			
	MONTOINVERSION	EMPLEOSGENERAR	EMPLEOSTEMP	MONTOFINAL
FOSIN	80000	6	3	0
URGE	132521245166.88	312619864	327682	14915175
Unknown	(null)	(null)	(null)	(null)

```
SELECT G.NOMBRE as [NOMBRE DE GRUPO] ,
'MONTO DE INVERSION' = SUM(CASE MONTOINVERSION WHEN MONTOINVERSION THEN
MONTOINVERSION ELSE 0 END) ,
'EMPLEOS A GENERAR' = SUM(CASE EMPLEOSGENERAR WHEN EMPLEOSGENERAR THEN
EMPLEOSGENERAR ELSE 0 END),
'EMPLEOS TEMPORALES' = SUM(CASE EMPLEOSTEMP WHEN EMPLEOSTEMP THEN EMPLEOSTEMP ELSE 0 END),
'MONTO FINAL' = SUM(CASE MONTOFINAL WHEN MONTOFINAL THEN MONTOFINAL ELSE 0 END)
FROM RAESERVICIOS R
INNER JOIN VENTANILLAS V ON V.VENTANILLA = R.VENTANILLA
INNER JOIN GRUPOS G ON G.GRUPO = V.GRUPO
GROUP BY G.NOMBRE
ORDER BY 1 ASC
```



8.-Todas las medidas por año y empleos a generar

Impresión de consulta MDX

```
SELECT [VW RAESERVICIOS].[AÑO].MEMBERS ON COLUMNS, [MEASURES].MEMBERS ON ROWS FROM [FOLIOSSERVICIOS]
```

Messages ⊞ Res	uits						
	All	2005	2006	2007	2008	2009	2010
MONTOINVERSION	132521325166.88	5634588986.28	15298010652.79	22308529975.32	25952036748.73	32321656506.3	31006502297.46
EMPLEOSGENERAR	312619870	2015249	1042381	72993527	205428092	30584725	555896
EMPLEOSTEMP	327685	75733	60248	49329	50392	28542	63441
MONTOFINAL	14915175	227000	9520918	1864757	3302500	0	0

```
SELECT 'MONTOINVERSION',
' ALL' = SUM (R.MONTOINVERSION),
'2005' = SUM(CASE WHEN YEAR(R.FECHA) = 2005 THEN R.MONTOINVERSION END ),
'2006'= SUM(CASE WHEN YEAR(R.FECHA) =2006 THEN R.MONTOINVERSION END ) ,
'2007'= SUM(CASE WHEN YEAR(R.FECHA) =2007 THEN R.MONTOINVERSION END ) ,
'2008'= SUM(CASE WHEN YEAR(R.FECHA) =2008 THEN R.MONTOINVERSION END ) ,
'2009'= SUM(CASE WHEN YEAR(R.FECHA) =2009 THEN R.MONTOINVERSION END ) ,
'2010'= SUM(CASE WHEN YEAR(R.FECHA) =2010 THEN R.MONTOINVERSION END )
FROM RAESERVICIOS R
UNION
SELECT 'EMPLEOSGENERAR',
' ALL' = SUM (R.EMPLEOSGENERAR),
'2005'= SUM(CASE WHEN YEAR(R.FECHA) =2005 THEN R.EMPLEOSGENERAR END ),
'2006'= SUM(CASE WHEN YEAR(R.FECHA) =2006 THEN R.EMPLEOSGENERAR END ) ,
'2007' = SUM(CASE WHEN YEAR(R.FECHA) = 2007 THEN R.EMPLEOSGENERAR END ) ,
'2008' = SUM(CASE WHEN YEAR(R.FECHA) = 2008 THEN R.EMPLEOSGENERAR END ) ,
'2009' = SUM(CASE WHEN YEAR(R.FECHA) = 2009 THEN R.EMPLEOSGENERAR END ) ,
'2010' = SUM(CASE WHEN YEAR(R.FECHA) = 2010 THEN R.EMPLEOSGENERAR END )
FROM RAESERVICIOS R
UNION
SELECT 'EMPLEOSTEMP',
' ALL' = SUM (R.EMPLEOSTEMP),
'2005'= SUM(CASE WHEN YEAR(R.FECHA) =2005 THEN R.EMPLEOSTEMP END ),
'2006'= SUM(CASE WHEN YEAR(R.FECHA) =2006 THEN R.EMPLEOSTEMP END ) ,
'2007' = SUM(CASE WHEN YEAR(R.FECHA) = 2007 THEN R.EMPLEOSTEMP END ) ,
'2008' = SUM(CASE WHEN YEAR(R.FECHA) = 2008 THEN R.EMPLEOSTEMP END ) ,
'2009'= SUM(CASE WHEN YEAR(R.FECHA) =2009 THEN R.EMPLEOSTEMP END ) ,
'2010' = SUM(CASE WHEN YEAR(R.FECHA) = 2010 THEN R.EMPLEOSTEMP END )
FROM RAESERVICIOS R
UNION
SELECT 'MONTOFINAL'
' ALL' = SUM(R.MONTOFINAL),
'2005'= SUM(CASE WHEN YEAR(R.FECHA) =2005 THEN R.MONTOFINAL END ),
'2006'= SUM(CASE WHEN YEAR(R.FECHA) =2006 THEN R.MONTOFINAL END ) ,
'2007'= SUM(CASE WHEN YEAR(R.FECHA) =2007 THEN R.MONTOFINAL END ) ,
'2008'= SUM(CASE WHEN YEAR(R.FECHA) =2008 THEN R.MONTOFINAL END ) ,
'2009'= SUM(CASE WHEN YEAR(R.FECHA) =2009 THEN R.MONTOFINAL END ) ,
'2010' = SUM(CASE WHEN YEAR(R.FECHA) = 2010 THEN R.MONTOFINAL END )
FROM RAESERVICIOS R
```

	(No column name)	All	2005	2006	2007	2008	2009	2010
1	MontoInversion	132521325166.88	5634588986.28	15298010652.79	22308529975.32	25952036748.73	32321656506.30	31006502297.46
2	EmpleosGenerar	312619870.00	2015249.00	1042381.00	72993527.00	205428092.00	30584725.00	555896.00
3	EmpleosTemp	327685.00	75733.00	60248.00	49329.00	50392.00	28542.00	63441.00
4	MontoFinal	14915175.00	227000.00	9520918.00	1864757.00	3302500.00	0.00	0.00

9.-Todas las medidas por nombres de familias

Impresión de consulta MDX

SELECT [MEASURES].MEMBERS ON COLUMNS, [SERVICIOS].[NOMBRE].MEMBERS ON ROWS FROM [FOLIOSSERVICIOS]

■ Messages ■ Results				
	MONTOINVERSION	EMPLEOSGENERAR	EMPLEOSTEMP	MONTOFINAL
All	132521325166.88	312619870	327685	14915175
GESTIÓN EMPRESARIAL	132521325166.88	312619870	327685	14915175
Unknown	(null)	(null)	(null)	(null)

Impresión de consulta SQL

```
SELECT 'ALL',
'MONTOINVERSION' = SUM(CASE MONTOINVERSION WHEN MONTOINVERSION THEN MONTOINVERSION
ELSE 0 END),
'EMPLEOSGENERAR' = SUM(CASE EMPLEOSGENERAR WHEN EMPLEOSGENERAR THEN EMPLEOSGENERAR
ELSE 0 END),
'EMPLEOSTEMP' = SUM(CASE EMPLEOSTEMP WHEN EMPLEOSTEMP THEN EMPLEOSTEMP ELSE 0 END),
'MONTOFINAL' = SUM(CASE MONTOFINAL WHEN MONTOFINAL THEN MONTOFINAL ELSE @ END)
FROM RAESERVICIOS R
INNER JOIN SERVICIOS SE ON SE.SERVICIO = R.SERVICIO
INNER JOIN SUBFAMILIAS S ON S.SUBFAMILIA = SE.SUBFAMILIA
INNER JOIN FAMILIAS F ON F. FAMILIA = S. FAMILIA
UNION
SELECT F.NOMBRE,
'MONTOINVERSION' = SUM(CASE MONTOINVERSION WHEN MONTOINVERSION THEN MONTOINVERSION
ELSE 0 END),
'EMPLEOSGENERAR' = SUM(CASE EMPLEOSGENERAR WHEN EMPLEOSGENERAR THEN EMPLEOSGENERAR
ELSE 0 END),
'EMPLEOSTEMP' = SUM(CASE EMPLEOSTEMP WHEN EMPLEOSTEMP THEN EMPLEOSTEMP ELSE 0 END),
'MONTOFINAL' = SUM(CASE MONTOFINAL WHEN MONTOFINAL THEN MONTOFINAL ELSE 0 END)
FROM RAESERVICIOS R
INNER JOIN SERVICIOS SE ON SE.SERVICIO = R.SERVICIO
INNER JOIN SUBFAMILIAS S ON S.SUBFAMILIA = SE.SUBFAMILIA
INNER JOIN FAMILIAS F ON F.FAMILIA = S.FAMILIA
GROUP BY F.NOMBRE
ORDER BY 1 ASC
```

MONTOINVERSION EMPLEOSGENERAR (No column name) EMPLEOSTEMP MONTOFINAL ALL 132521325166.88 312619870 327685 14915175.00 1 2 GESTIÓN EMPRESARIAL 132521325166.88 312619870 327685 14915175.00

10.-Todas las medidas por nombres de familias

Impresión de consulta MDX

```
SELECT {[VW RAESERVICIOS].[MES].[1]:[VW RAESERVICIOS].[MES].[3]} ON COLUMNS, [VW RAESERVICIOS].[AÑO].CHILDREN ON ROWS
FROM [foliosservicios] WHERE [Measures].[EMPLEOSGENERAR]
```

■ Messages ■ Results						
1	2	3				
209	160	314				
5553	1001163	734				
27140373	12082084	30102431				
30174175	843214	33751040				
14092944	4873202	15209				
27495	1343	67476				
	5553 27140373 30174175 14092944	209 160 5553 1001163 27140373 12082084 30174175 843214 14092944 4873202				

```
SELECT

CONVERT(NVARCHAR(4), YEAR(R.FECHA)) AS 'AÑO',

SUM(CASE WHEN MONTH(R.FECHA) = 1 THEN R.EMPLEOSGENERAR ELSE NULL END) AS '1',

SUM(CASE WHEN MONTH(R.FECHA) = 2 THEN R.EMPLEOSGENERAR ELSE NULL END) AS '2',

SUM(CASE WHEN MONTH(R.FECHA) = 3 THEN R.EMPLEOSGENERAR ELSE NULL END) AS '3'

FROM RAESERVICIOS R

GROUP BY YEAR(R.FECHA)

UNION

SELECT
'ALL',

SUM(CASE WHEN MONTH(R.FECHA) = 1 THEN R.EMPLEOSGENERAR ELSE NULL END) AS '1',

SUM(CASE WHEN MONTH(R.FECHA) = 2 THEN R.EMPLEOSGENERAR ELSE NULL END) AS '1',

SUM(CASE WHEN MONTH(R.FECHA) = 3 THEN R.EMPLEOSGENERAR ELSE NULL END) AS '2',

SUM(CASE WHEN MONTH(R.FECHA) = 3 THEN R.EMPLEOSGENERAR ELSE NULL END) AS '2',

FROM RAESERVICIOS R
```

Elle Iviessages					
	AÑO	1	2	3	
1	2005	209	160	314	
2	2006	5553	1001163	734	
3	2007	27140373	12082084	30102431	
4	2008	30174175	843214	33751040	
5	2009	14092944	4873202	15209	
6	2010	27495	1343	67476	
7	ALL	71440749	18801166	63937204	