

Instituto Tecnológico de Culiacán



Carrera: Ingeniería en Sistemas Computacionales

Materia: Temas Selectos de Bases de Datos

Alumnos:

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César Alfredo Astorga Ochoa

Trabajo: U3 T1 Expresiones

Fecha: 27-Abril-2022

Horario de clase: 05:00 - 06:00 pm

Profesor: Daniel Esparza Soto

1 – Nombre de grupos y nombre de ventanillas por año y monto de inversión

Consulta MDX:

```
select [vw raeservicios].[año].members on columns,
[ventanillas].[grupos - ventanillas].members on rows
from [foliosservicios]
where measures.montoinversion
```

	All	2005	2006	2007	2008	2009	2010
All	132521325166.88	5634588986.28	15298010652.79	22308529975.32	25952036748.73	32321656506.3	31006502297.46
FOSIN	80000	(null)	(null)	60000	20000	(null)	(null)
COORDINACIÓN DE GESTIÓN EMPRESARIAL	(null)	(null)	(null)	(null)	(null)	(null)	(null)
FOSIN	80000	(null)	(null)	60000	20000	(null)	(null)
REFORMA REGULATORIA	(null)	(null)	(null)	(null)	(null)	(null)	(null)
URGE	132521245166.88	5634588986.28	15298010652.79	22308469975.32	25952016748.73	32321656506.3	31006502297.46
URGE AHOME	32683723635.86	3109238325	5532724330.64	3752486015.76	5585718466.44	12426097668.42	2277458829.6
URGE ANGOSTURA	50490333.93	16229000	11776418.89	8922526.92	4215278	7713859.76	1633250.36
URGE BADIRAGUATO	14723077	6070000	870006	297500	715000	1881971	4888600
URGE CHOIX	547649557	10075800	2955900	955501	1620000	531947856	94500
URGE CONCORDIA	12311350	191700	9892500	847150	260000	110000	1010000
URGE COSALA	16696979.26	11111	478000	194170	8193613	2591436.72	5228648.54
URGE CULIACAN	19192665858.32	872551531.85	3773122576.93	6826246121.15	3751008518.82	2276548500.11	1693188609.46
URGE EL FUERTE	580210468	81340000	268210000	145531000	84191968	852500	85000
URGE ELOTA	133606108	29860000	70832500	10400699	12501362	9938604	72943
URGE ESCUINAPA	11516913899.35	235431557	248210159.75	350364931.34	348161329.74	10316908504	17837417.52
URGE GUASAVE	11114552621.23	299366968	1531363551.42	708385611.41	6861788187.58	1369993870.93	343654431.89
URGE MAZATLAN	46478241737.59	579602205	1180882556	6421038787.96	7417807303.44	4906970913	25971939972.19
URGE MOCORITO	161067323.42	8988595.96	73800449.15	72851025.81	5270052.5	157200	0
URGE NAVOLATO	1688006439.44	74148309.23	607529895.66	131866965.15	486638831.4	155071878	232750560
URGE ROSARIO	715854361.35	38290972	68479884	141844615	467141390.35	97500	0
URGE SALVADOR ALVARADO	801647086.45	8000000	102812053.08	160324668	177371119.61	276390905.36	76748340.4
URGE SAN IGNACIO	88652699	65923500	22238000	335010	70297.5	80567	5324.5

Consulta SQL:

```
select v.nomven,
'all' = sum(r.montoinversion),
'2005' = sum(case when year(r.fecha) = 2005 then r.montoinversion else 0 end),
'2006' = sum(case when year(r.fecha) = 2006 then r.montoinversion else 0 end),
'2007' = sum(case when year(r.fecha) = 2007 then r.montoinversion else 0 end),
'2008' = sum(case when year(r.fecha) = 2008 then r.montoinversion else 0 end),
'2009' = sum(case when year(r.fecha) = 2009 then r.montoinversion else 0 end),
'2010' = sum(case when year(r.fecha) = 2010 then r.montoinversion else 0 end)
from grupos g
inner join ventanillas v on v.grupo = g.grupo
inner join raeservicios r on r.ventanilla = v.ventanilla
group by v.nomven
union
select 'all',
'all' = sum(montoinversion),
'2005' = sum(case when year(fecha) = 2005 then montoinversion else 0 end),
'2006' = sum(case when year(fecha) = 2006 then montoinversion else 0 end),
'2007' = sum(case when year(fecha) = 2007 then montoinversion else 0 end),
'2008' = sum(case when year(fecha) = 2008 then montoinversion else 0 end),
'2009' = sum(case when year(fecha) = 2009 then montoinversion else 0 end),
'2010' = sum(case when year(fecha) = 2010 then montoinversion else 0 end)
from raeservicios
```

	nomven	all	2005	2006	2007	2008	2009	2010
1	all	132521325166.88	5634588986.28	15298010652.79	22308529975.32	25952036748.73	32321656506.30	31006502297.46
2	FOSIN	80000.00	0.00	0.00	60000.00	20000.00	0.00	0.00
3	URGE AHOME	32683723635.86	3109238325.00	5532724330.64	3752486015.76	5585718466.44	12426097668.42	2277458829.60
4	URGE ANGOSTURA	50490333.93	16229000.00	11776418.89	8922526.92	4215278.00	7713859.76	1633250.36
5	URGE BADIRAGUATO	14723077.00	6070000.00	870006.00	297500.00	715000.00	1881971.00	4888600.00
6	URGE CHOIX	547649557.00	10075800.00	2955900.00	955501.00	1620000.00	531947856.00	94500.00
7	URGE CONCORDIA	12311350.00	191700.00	9892500.00	847150.00	260000.00	110000.00	1010000.00
8	URGE COSALA	16696979.26	11111.00	478000.00	194170.00	8193613.00	2591436.72	5228648.54
9	URGE CULIACAN	19192665858.32	872551531.85	3773122576.93	6826246121.15	3751008518.82	2276548500.11	1693188609.46
10	URGE EL FUERTE	580210468.00	81340000.00	268210000.00	145531000.00	84191968.00	852500.00	85000.00
11	URGE ELOTA	133606108.00	29860000.00	70832500.00	10400699.00	12501362.00	9938604.00	72943.00
12	URGE ESCUINAPA	11516913899.35	235431557.00	248210159.75	350364931.34	348161329.74	10316908504.00	17837417.52
13	URGE GUASAVE	11114552621.23	299366968.00	1531363551.42	708385611.41	6861788187.58	1369993870.93	343654431.89
14	URGE MAZATLAN	46478241737.59	579602205.00	1180882556.00	6421038787.96	7417807303.44	4906970913.00	25971939972.19
15	URGE MOCORITO	161067323.42	8988595.96	73800449.15	72851025.81	5270052.50	157200.00	0.00
16	URGE NAVOLATO	1688006439.44	74148309.23	607529895.66	131866965.15	486638831.40	155071878.00	232750560.00
17	URGE ROSARIO	715854361.35	38290972.00	68479884.00	141844615.00	467141390.35	97500.00	0.00
18	URGE SALVADOR ALVARADO	801647086.45	8000000.00	102812053.08	160324668.00	177371119.61	276390905.36	76748340.40
19	URGE SAN IGNACIO	88652699.00	65923500.00	22338000.00	335010.00	70297.50	80567.00	5324.50
20	URGE SINALOA DE LEYVA	90185649.00	5273000.00	42528615.00	34320210.00	0.00	7828824.00	235000.00
21	URGE USE	6634045982.68	193996411.24	1749303256.27	3541257466.82	739344030.35	30473948.00	379670870.00

2 – Año por nombre de grupos y monto de inversión

Consulta MDX:

```
select [ventanillas].[nombre].members on columns,
[vw raeservicios].[año].members on rows
from [foliosservicios]
where measures.montoinversion
```

	All	FOSIN	URGE	Unknown
All	132521325166.88	80000	132521245166.88	(null)
2005	5634588986.28	(null)	5634588986.28	(null)
2006	15298010652.79	(null)	15298010652.79	(null)
2007	22308529975.32	60000	22308469975.32	(null)
2008	25952036748.73	20000	25952016748.73	(null)
2009	32321656506.3	(null)	32321656506.3	(null)
2010	31006502297.46	(null)	31006502297.46	(null)

Consulta SQL:

```
select
'all',
'all' = sum(r.montoinversion),
'FOSIN' = sum(case when g.nombre = 'fosin' then r.montoinversion else 0 end),
'URGE' = sum(case when g.nombre = 'urge' then r.montoinversion else 0 end)
from raeservicios r
inner join ventanillas v on r.ventanilla = v.ventanilla
inner join grupos g on v.grupo = g.grupo
union all
select
convert(varchar(20), year(r.fecha)),
'all' = sum(r.montoinversion),
```

```

'FOSIN' = sum(case when g.nombre = 'fosin' then r.montoinversion else 0 end),
'URGE' = sum(case when g.nombre = 'urge' then r.montoinversion else 0 end)
from raeservicios r
inner join ventanillas v on r.ventanilla = v.ventanilla
inner join grupos g on v.grupo = g.grupo
group by year(r.fecha)

```

	(No column name)	all	FOSIN	URGE
1	all	132521325166.88	80000.00	132521245166.88
2	2005	5634588986.28	0.00	5634588986.28
3	2006	15298010652.79	0.00	15298010652.79
4	2007	22308529975.32	60000.00	22308469975.32
5	2008	25952036748.73	20000.00	25952016748.73
6	2009	32321656506.30	0.00	32321656506.30
7	2010	31006502297.46	0.00	31006502297.46

3 – Mes por nombre de familias de servicios y empleos a generar

Consulta MDX:

```

select [servicios].[nombre].members on columns,
[vw raeservicios].[mes].members on rows
from [foliosservicios]
where measures.empleosgenerar

```

	All	GESTIÓN EMPRESARIAL	Unknown
All	312619870	312619870	(null)
1	71440749	71440749	(null)
2	18801166	18801166	(null)
3	63937204	63937204	(null)
4	141521482	141521482	(null)
5	350981	350981	(null)
6	552869	552869	(null)
7	2131181	2131181	(null)
8	1721895	1721895	(null)
9	6696014	6696014	(null)
10	502144	502144	(null)
11	4926381	4926381	(null)
12	37804	37804	(null)

Consulta SQL:

```

select 'all',
'all' = sum(r.empleosgenerar),
'GESTION EMPRESARIAL' = sum(case when f.nombre = 'GESTION EMPRESARIAL' then
r.empleosgenerar else 0 end)

```

```

from raeservicios r
inner join servicios s on s.servicio = r.servicio
inner join subfamilias sf on sf.subfamilia = s.subfamilia
inner join familias f on f.familia = sf.familia
union all
select cast(month(r.fecha) as varchar(3)),
'all' = sum(r.empleosgenerar),
'GESTION EMPRESARIAL' = sum (case when f.nombre = 'GESTION EMPRESARIAL' then
r.empleosgenerar else 0 end)
from raeservicios r
inner join servicios s on s.servicio = r.servicio
inner join subfamilias sf on sf.subfamilia = s.subfamilia
inner join familias f on f.familia = sf.familia
group by month(r.fecha)

```

	(No column name)	all	GESTION EMPRESARIAL
1	all	312619870	312619870
2	1	71440749	71440749
3	2	18801166	18801166
4	3	63937204	63937204
5	4	141521482	141521482
6	5	350981	350981
7	6	552869	552869
8	7	2131181	2131181
9	8	1721895	1721895
10	9	6696014	6696014
11	10	502144	502144
12	11	4926381	4926381
13	12	37804	37804

4 – Nombre de usuario por año y empleos a generar

Consulta MDX:

```

select [vw raeservicios].[año].members on columns,
[usuarios].[nombre].members on rows
from [foliosservicios]
where measures.empleosgenerar

```

Messages Results							
	All	2005	2006	2007	2008	2009	2010
All	312619870	2015249	1042381	72993527	205428092	30584725	555896
ADMINISTRADOR DE SISTEMAS	(null)	(null)	(null)	(null)	(null)	(null)	(null)
ADRIANA MORAN DIAZ	0	(null)	(null)	(null)	(null)	0	(null)
Agustín Báez Guillén	(null)	(null)	(null)	(null)	(null)	(null)	(null)
alejandro de la rocha treviño	(null)	(null)	(null)	(null)	(null)	(null)	(null)
ALEJANDRO GAYTAN MUÑOZ	(null)	(null)	(null)	(null)	(null)	(null)	(null)
ALFONSO GAMALIEL REYES ARELLANO	263	71	192	(null)	(null)	(null)	(null)
ALFONSO GERARDO ZEVADA ESCOBAR	(null)	(null)	(null)	(null)	(null)	(null)	(null)
ALICIA FABIOLA LOAIZA SALAZAR	(null)	(null)	(null)	(null)	(null)	(null)	(null)
ALICIA VERDUGO CAMPOS	623356	(null)	682	687	525512	96289	186
ALINA GUERRERO SIBRIAN	(null)	(null)	(null)	(null)	(null)	(null)	(null)
ALMA BEATRIZ SALAZAR PEREZ	(null)	(null)	(null)	(null)	(null)	(null)	(null)
ALMA YADIRA MORENO CASTILLO	(null)	(null)	(null)	(null)	(null)	(null)	(null)
ALVARO NOEL OCHOA VEGA	(null)	(null)	(null)	(null)	(null)	(null)	(null)
AMPARO ALCARAZ .	(null)	(null)	(null)	(null)	(null)	(null)	(null)
ANGEL DANIEL GUERRERO SALAZAR	(null)	(null)	(null)	(null)	(null)	(null)	(null)
ANTONIO BARRAZA CARDENAS	(null)	(null)	(null)	(null)	(null)	(null)	(null)
ANTONIO MANJARREZ CARDENAS	(null)	(null)	(null)	(null)	(null)	(null)	(null)
ANTONIO MARTINEZ LOPEZ	(null)	(null)	(null)	(null)	(null)	(null)	(null)
ARMANDO JAIR MORENO BERNAL	1535	1535	(null)	(null)	(null)	(null)	(null)
ARNOLDO VILLASENOR PACHECOS	(null)	(null)	(null)	(null)	(null)	(null)	(null)
ARNOLDO VILLASEÑOR PACHECO	(null)	(null)	(null)	(null)	(null)	(null)	(null)
ARTURO SANTOS RAMIREZ	(null)	(null)	(null)	(null)	(null)	(null)	(null)
AURELIO LUGO ESPINOZA	(null)	(null)	(null)	(null)	(null)	(null)	(null)
AURELIO MENDOZA CINCO	(null)	(null)	(null)	(null)	(null)	(null)	(null)

Consulta SQL:

```

select 'all',
'all' = sum(empleosgenerar),
'2005' = sum(case when year(fecha) = 2005 then empleosgenerar else 0 end),
'2006' = sum(case when year(fecha) = 2006 then empleosgenerar else 0 end),
'2007' = sum(case when year(fecha) = 2007 then empleosgenerar else 0 end),
'2008' = sum(case when year(fecha) = 2008 then empleosgenerar else 0 end),
'2009' = sum(case when year(fecha) = 2009 then empleosgenerar else 0 end),
'2010' = sum(case when year(fecha) = 2010 then empleosgenerar else 0 end)
from raeservicios
union all
select u.nombre,
'all' = sum(r.empleosgenerar),
'2005' = sum(case when year(r.fecha) = 2005 then r.empleosgenerar else 0 end),
'2006' = sum(case when year(r.fecha) = 2006 then r.empleosgenerar else 0 end),
'2007' = sum(case when year(r.fecha) = 2007 then r.empleosgenerar else 0 end),
'2008' = sum(case when year(r.fecha) = 2008 then r.empleosgenerar else 0 end),
'2009' = sum(case when year(r.fecha) = 2009 then r.empleosgenerar else 0 end),
'2010' = sum(case when year(r.fecha) = 2010 then r.empleosgenerar else 0 end)
from usuarios u
inner join raeservicios r on r.usuario = u.usuario
group by u.nombre

```

	(No column name)	all	2005	2006	2007	2008	2009	2010
1	all	312619870	2015249	1042381	72993527	205428092	30584725	555896
2	ADRIANA MORAN DIAZ	0	0	0	0	0	0	0
3	ALFONSO GAMALIEL REYES ARELLANO	263	71	192	0	0	0	0
4	ALICIA VERDUGO CAMPOS	623356	0	682	687	525512	96289	186
5	ARMANDO JAIR MORENO BERNAL	1535	1535	0	0	0	0	0
6	BRENDA MARITZA GARCIA QUINTERO	503	0	0	0	0	162	341
7	CARLOS BORROEL BAZUA	331	331	0	0	0	0	0
8	CARMEN LEYVA ROBLES	1114421	871	2327	307666	803557	0	0
9	CONRADO LOAIZA LOAIZA	499109	272	83	400064	795	97895	0
10	CRISTIAN ZAMORA NIEBLA	121	10	34	74	3	0	0
11	CRUZ ALFREDO LOPEZ ARMENTA	1	0	0	1	0	0	0
12	DAGOBERTO LARA BUSTAMANTE	1	0	0	1	0	0	0
13	DANIEL ESPARZA SOTO	80	80	0	0	0	0	0
14	DANIEL GARCIA CAZAREZ	15714	0	0	0	658	11563	3493
15	DIANA ROSALIA CAZAREZ BONILLA	8890960	0	93	1114	1776	8887760	217
16	DIEGO OBESO MONOYA	71832	937	163	15531	20125	35076	0
17	DULCE DEL CARMEN CSTRO GARCÍA	10	0	0	1	5	4	0
18	EDITH CHIQUETE RODRIGUEZ	637	190	404	43	0	0	0
19	ELDA FABIOLA IBARRA VALDEZ	0	0	0	0	0	0	0
20	ELIZABETH MORALES ZAMORA	13855	578	3817	7392	2068	0	0
21	EZEQUIEL MAGAÑA RODRIGUEZ	337	0	0	0	1	20	316
22	Fernando Nuñez Díaz	254	0	0	4	120	91	39

5 – Nombre de ventanillas por meses y empleos a generar

Consulta MDX:

```
select [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
All	312619870	71440749	18801166	63937204	141521482	350981	552869	2131181	1721895	6696014	502144	4926381	37804
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

Consulta SQL:


```

select
v.nomven,
'all' = sum(r.empleosgenerar),
'1' = sum(case when month(r.fecha) = 1 then r.empleosgenerar else 0 end),
'2' = sum(case when month(r.fecha) = 2 then r.empleosgenerar else 0 end),
'3' = sum(case when month(r.fecha) = 3 then r.empleosgenerar else 0 end),
'4' = sum(case when month(r.fecha) = 4 then r.empleosgenerar else 0 end),
'5' = sum(case when month(r.fecha) = 5 then r.empleosgenerar else 0 end),
'6' = sum(case when month(r.fecha) = 6 then r.empleosgenerar else 0 end),
'7' = sum(case when month(r.fecha) = 7 then r.empleosgenerar else 0 end),
'8' = sum(case when month(r.fecha) = 8 then r.empleosgenerar else 0 end),
'9' = sum(case when month(r.fecha) = 9 then r.empleosgenerar else 0 end),
'10' = sum(case when month(r.fecha) = 10 then r.empleosgenerar else 0 end),
'11' = sum(case when month(r.fecha) = 11 then r.empleosgenerar else 0 end),
'12' = sum(case when month(r.fecha) = 12 then r.empleosgenerar else 0 end)
from ventanillas v
inner join raeservicios r on r.ventanilla = v.ventanilla
group by v.nomven
union
select
'all',
'all' = sum(empleosgenerar),
'1' = sum(case when month(fecha) = 1 then empleosgenerar else 0 end),
'2' = sum(case when month(fecha) = 2 then empleosgenerar else 0 end),
'3' = sum(case when month(fecha) = 3 then empleosgenerar else 0 end),
'4' = sum(case when month(fecha) = 4 then empleosgenerar else 0 end),
'5' = sum(case when month(fecha) = 5 then empleosgenerar else 0 end),
'6' = sum(case when month(fecha) = 6 then empleosgenerar else 0 end),
'7' = sum(case when month(fecha) = 7 then empleosgenerar else 0 end),
'8' = sum(case when month(fecha) = 8 then empleosgenerar else 0 end),
'9' = sum(case when month(fecha) = 9 then empleosgenerar else 0 end),
'10' = sum(case when month(fecha) = 10 then empleosgenerar else 0 end),
'11' = sum(case when month(fecha) = 11 then empleosgenerar else 0 end),
'12' = sum(case when month(fecha) = 12 then empleosgenerar else 0 end)
from raeservicios

```

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

6 – Meses por años y empleos a generar

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)

Consulta SQL:

```
select 'all',  
'all' = sum(r.empleosgenerar),  
'2005' = sum(case when year(r.fecha) = 2005 then r.empleosgenerar else 0 end),  
'2006' = sum(case when year(r.fecha) = 2006 then r.empleosgenerar else 0 end),  
'2007' = sum(case when year(r.fecha) = 2007 then r.empleosgenerar else 0 end),  
'2008' = sum(case when year(r.fecha) = 2008 then r.empleosgenerar else 0 end),  
'2009' = sum(case when year(r.fecha) = 2009 then r.empleosgenerar else 0 end),  
'2010' = sum(case when year(r.fecha) = 2010 then r.empleosgenerar else 0 end)  
from raeservicios r  
union all  
select cast(month(r.fecha) as varchar(3)),  
'all' = sum(r.empleosgenerar),  
'2005' = sum(case when year(r.fecha) = 2005 then r.empleosgenerar else 0 end),  
'2006' = sum(case when year(r.fecha) = 2006 then r.empleosgenerar else 0 end),  
'2007' = sum(case when year(r.fecha) = 2007 then r.empleosgenerar else 0 end),  
'2008' = sum(case when year(r.fecha) = 2008 then r.empleosgenerar else 0 end),  
'2009' = sum(case when year(r.fecha) = 2009 then r.empleosgenerar else 0 end),  
'2010' = sum(case when year(r.fecha) = 2010 then r.empleosgenerar else 0 end)  
from raeservicios r  
group by month(r.fecha)
```

	(No column name)	all	2005	2006	2007	2008	2009	2010
1	all	312619870	2015249	1042381	72993527	205428092	30584725	555896
2	1	71440749	209	5553	27140373	30174175	14092944	27495
3	2	18801166	160	1001163	12082084	843214	4873202	1343
4	3	63937204	314	734	30102431	33751040	15209	67476
5	4	141521482	677	581	3003846	135043011	3471434	1933
6	5	350981	2401	787	137625	24148	134180	51840
7	6	552869	2022	1602	2485	23527	521859	1374
8	7	2131181	2001157	1269	106322	1691	19820	922
9	8	1721895	3170	1633	307249	257058	750896	401889
10	9	6696014	1009	944	83368	6768	6603055	870
11	10	502144	866	3313	1810	395030	100371	754
12	11	4926381	2469	2565	12465	4907564	1318	0
13	12	37804	795	22237	13469	866	437	0

7 - Nombre de grupo por todas las medidas y todas las medidas

Consulta MDX:

```
select measures.members on columns,
[ventanillas].[nombre].members on rows
from [foliosservicios]
```

	MONTOINVERSION	EMPLEOSGENERAR	EMPLEOSTEMP	MONTOFINAL
All	132521325166.88	312619870	327685	14915175
FOSIN	80000	6	3	0
URGE	132521245166.88	312619864	327682	14915175
Unknown	(null)	(null)	(null)	(null)

Consulta SQL:

```
select 'all',
'MONTOINVERSION' = sum(r.montoinversion),
'EMPLEOSGENRAR' = sum(r.empleosgenerar),
'EMPLEOSTEMP' = sum(r.empleostemp),
'MONTOFINAL' = sum(r.montofinal)
from grupos g
inner join ventanillas v on v.grupo = g.grupo
inner join raeservicios r on r.ventanilla = v.ventanilla
union
select g.nombre,
'MONTOINVERSION' = sum(r.montoinversion),
'EMPLEOSGENRAR' = sum(r.empleosgenerar),
```

```

'EMPLEOSTEMP' = sum(r.empleostemp),
'MONTOFINAL' = sum(r.montofinal)
from grupos g
inner join ventanillas v on v.grupo = g.grupo
inner join raeservicios r on r.ventanilla = v.ventanilla
group by g.nombre

```

	(No column name)	MONTOINVERSION	EMPLEOSGENRAR	EMPLEOSTEMP	MONTOFINAL
1	all	132521325166.88	312619870	327685	14915175.00
2	FOSIN	80000.00	6	3	0.00
3	URGE	132521245166.88	312619864	327682	14915175.00

8 – Todas las medidas por año y empleos a generar

Consulta MDX:

```

select [vw raeservicios].[año].members on columns,
measures.members on rows
from foliosservicios

```

	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

Consulta SQL:

```

select 'montoinversion',
'all' = sum(montoinversion),
'2005' = sum(case when year(fecha) = 2005 then montoinversion else 0 end),
'2006' = sum(case when year(fecha) = 2006 then montoinversion else 0 end),
'2007' = sum(case when year(fecha) = 2007 then montoinversion else 0 end),
'2008' = sum(case when year(fecha) = 2008 then montoinversion else 0 end),
'2009' = sum(case when year(fecha) = 2009 then montoinversion else 0 end),
'2010' = sum(case when year(fecha) = 2010 then montoinversion else 0 end)
from raeservicios
union
select 'empleosgenerar',
'all' = sum(empleosgenerar),
'2005' = sum(case when year(fecha) = 2005 then empleosgenerar else 0 end),
'2006' = sum(case when year(fecha) = 2006 then empleosgenerar else 0 end),
'2007' = sum(case when year(fecha) = 2007 then empleosgenerar else 0 end),
'2008' = sum(case when year(fecha) = 2008 then empleosgenerar else 0 end),
'2009' = sum(case when year(fecha) = 2009 then empleosgenerar else 0 end),
'2010' = sum(case when year(fecha) = 2010 then empleosgenerar else 0 end)
from raeservicios
union
select 'empleostemp',
'all' = sum(empleostemp),

```

```

'2005' = sum(case when year(fecha) = 2005 then empleostemp else 0 end),
'2006' = sum(case when year(fecha) = 2006 then empleostemp else 0 end),
'2007' = sum(case when year(fecha) = 2007 then empleostemp else 0 end),
'2008' = sum(case when year(fecha) = 2008 then empleostemp else 0 end),
'2009' = sum(case when year(fecha) = 2009 then empleostemp else 0 end),
'2010' = sum(case when year(fecha) = 2010 then empleostemp else 0 end)
from raeservicios
union
select 'montofinal',
'all' = sum(montofinal),
'2005' = sum(case when year(fecha) = 2005 then montofinal else 0 end),
'2006' = sum(case when year(fecha) = 2006 then montofinal else 0 end),
'2007' = sum(case when year(fecha) = 2007 then montofinal else 0 end),
'2008' = sum(case when year(fecha) = 2008 then montofinal else 0 end),
'2009' = sum(case when year(fecha) = 2009 then montofinal else 0 end),
'2010' = sum(case when year(fecha) = 2010 then montofinal else 0 end)
from raeservicios

```

	(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 – Nombre de familias por todas las medidas y todas las medidas

Consulta MDX:

```

select measures.members on columns,
[servicios].[nombre].members on rows
from [foliosservicios]

```

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

Consulta SQL:

```

select
'all',
'MONTOINVERSION' = sum(montoinversion),
'EMPLEOSGENRAR' = sum(empleosgenerar),
'EMPLEOSTEMP' = sum(empleostemp),
'MONTOFINAL' = sum(montofinal)
from raeservicios
union
select f.nombre,
'MONTOINVERSION' = sum(r.montoinversion),
'EMPLEOSGENRAR' = sum(r.empleosgenerar),

```

```

'EMPLEOSTEMP' = sum(r.empleostemp),
'MONTOFINAL' = sum(r.montofinal)
from familias f
inner join subfamilias sf on f.familia = sf.familia
inner join servicios s on sf.subfamilia = s.subfamilia
inner join raeservicios r on s.servicio = r.servicio
group by f.nombre

```

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

10 – Años por los meses enero, febrero, marzo y empleos a generar

Consulta MDX:

```

select [vw raeservicios].[año].members on columns,
{[vw raeservicios].[mes].[1], [vw raeservicios].[mes].[2], [vw
raeservicios].[mes].[3]} on rows
from [foliosservicios]
where measures.empleosgenerar

```

	All	2005	2006	2007	2008	2009	2010
1	71440749	209	5553	27140373	30174175	14092944	27495
2	18801166	160	1001163	12082084	843214	4873202	1343
3	63937204	314	734	30102431	33751040	15209	67476

Consulta SQL:

```

select month(fecha),
'all' = sum(empleosgenerar),
'2005' = sum(case when year(fecha) = 2005 then empleosgenerar else 0 end),
'2006' = sum(case when year(fecha) = 2006 then empleosgenerar else 0 end),
'2007' = sum(case when year(fecha) = 2007 then empleosgenerar else 0 end),
'2008' = sum(case when year(fecha) = 2008 then empleosgenerar else 0 end),
'2009' = sum(case when year(fecha) = 2009 then empleosgenerar else 0 end),
'2010' = sum(case when year(fecha) = 2010 then empleosgenerar else 0 end)
from raeservicios r
where month(fecha) < 4
group by month(fecha)

```

	(No column name)	all	2005	2006	2007	2008	2009	2010
1	1	71440749	209	5553	27140373	30174175	14092944	27495
2	2	18801166	160	1001163	12082084	843214	4873202	1343
3	3	63937204	314	734	30102431	33751040	15209	67476