Instituto Tecnológico de Culiacán



Carrera: Ingeniería en Sistemas Computacionales

Materia: Temas Selectos de Bases de Datos

Alumnos:

José Alfredo García Aguilar Cesar Alfredo Astorga Ochoa

Trabajo: U2 T5 Bussiness Intelligence

Fecha: 28-Marzo-2022

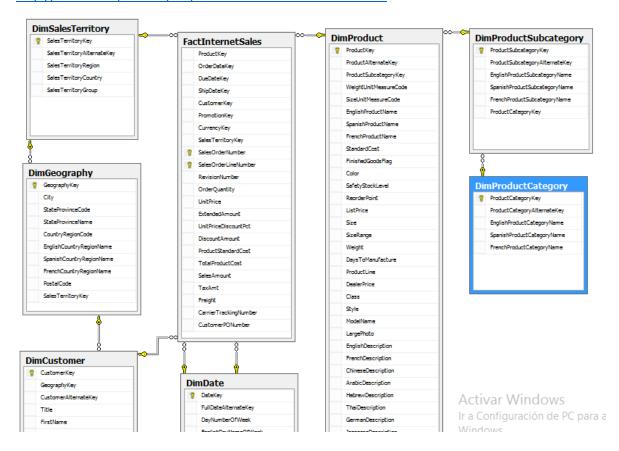
Horario de clase: 05:00 - 06:00 pm

Profesor: Daniel Esparza Soto

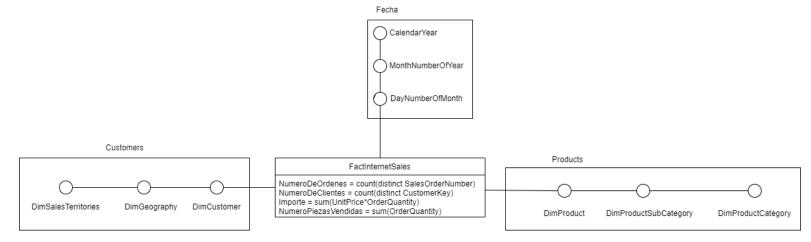
Tarea 4: Implementar el modelo multidimensional de la tarea 3 (ADVENTUREWORKDW2008R) en la herramienta BI.

Descargar el archivo y acoplar el archivo de datos y el archivo del registro de transacciones.

http://desarrollopro.com/tec/AdventureWorksDW2008R2.ZIP



1. Mostrar el modelo multidimensional diseñado en la tarea anterior.

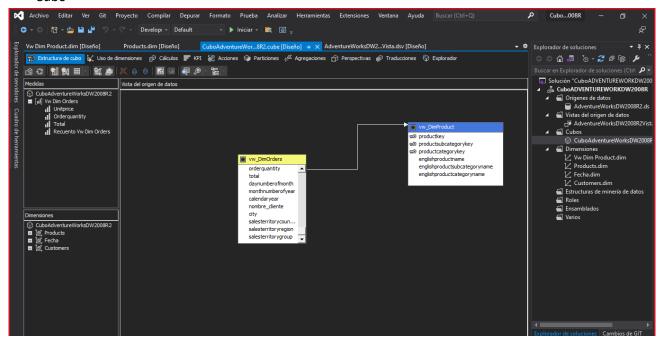


2. Vistas creadas

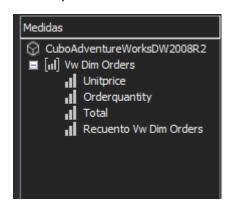
```
create view vw DimProduct as
select
p.productkey,p.englishproductname,sc.productsubcategorykey,sc.englishproductsubcateg
oryname, c.productcategorykey, c.englishproductcategoryname
from dimproduct p
inner join dimproductsubcategory sc on
sc.productsubcategorykey=p.productsubcategorykey
inner join dimproductcategory c on c.productcategorykey=sc.productcategorykey
create view vw_DimOrders as
select
f.salesordernumber,f.productkey,f.salesorderlinenumber,f.unitprice,f.orderquantity,t
otal=(f.unitprice*f.orderquantity),
d.daynumberofmonth,d.monthnumberofyear,d.calendaryear,
'nombre cliente' =c.firstname+'
'+c.lastname,g.city,t.salesterritorycountry,t.salesterritoryregion,t.salesterritoryg
roup
from factinternetsales f
inner join dimdate d on d.datekey=f.duedatekey
inner join dimcustomer c on c.customerkey=f.customerkey
inner join dimgeography g on g.geographykey=c.geographykey
inner join dimsalesterritory t on t.salesterritorykey=g.salesterritorykey
```

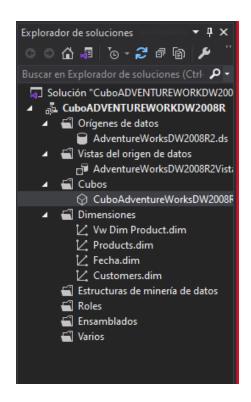
3. Impresión del cubo de datos, con hechos y sus medidas, dimensiones y sus jerarquías

Cubo

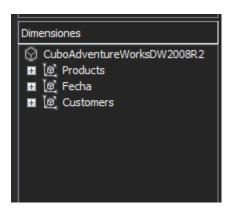


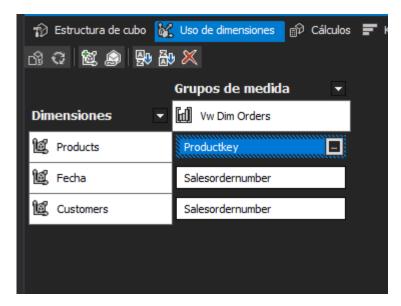
Hechos y medidas





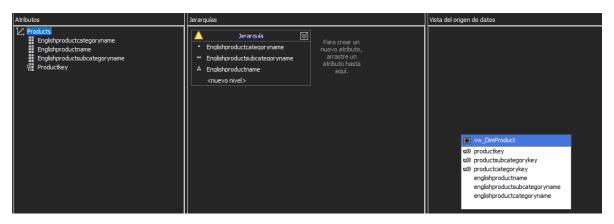
Dimensiones



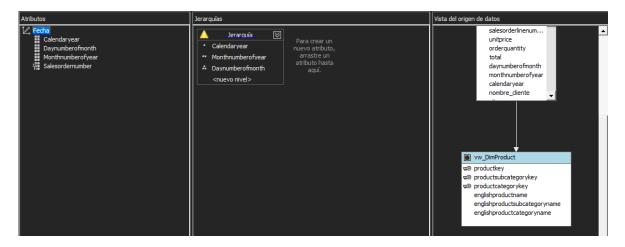


Jerarquías

-Products:



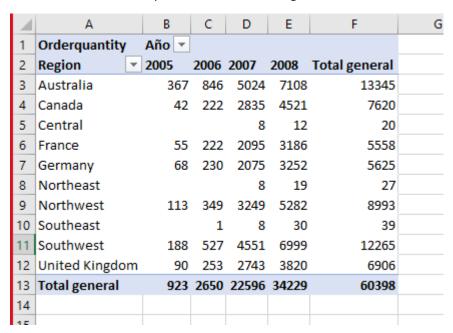
-Fecha:



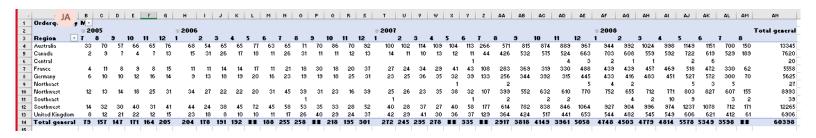
-Customers:



- 4. Impresión de 10 reportes propuestos con Business Intelligence Development Studio de SQL Server.
- 1 Numero de ordenes por año de todas las regiones



2 – Numero de ordenes por año y mes de todas las regiones



3 – Total de ventas por región

al	Α	В	С	D	E	F	G	н	ı	J	K	L
1		Region -										
2		Australia	Canada	Central	France	Germany	Northeast	Northwest	Southeast	Southwest	United Kingdom	Total general
3	Total	Australia 9061000.584	Canada 1977844.862									Total general 29358677.22

4 – Total de ventas por año de los continentes

1	Α	В	С	D	E	F
1	Total /	Año ▼				
2	Continente 🔻 2	2005	2006	2007	2008	Total general
3	Europe	657436.5888	1603142.205	3232405.53	3437057.94	8930042.263
4	North America	1104395.258	2837251.28	3152866.125	4273121.71	11367634.37
5	Pacific	1225145.275	2161723.675	2961056.785	2713074.85	9061000.584
6	Total general	2986977.122	6602117.159	9346328.44	10423254.5	29358677.22

5 – Numero de ordenes por año de todos los continentes, países y zonas

4	Α	В	С	D	E	F
1	Orderquantity	Año ▼				
2	Continente ▼	2005	2006	2007	2008	Total general
3	■ Europe					
4	■ France					
5	France	55	222	2095	3186	5558
6	■ Germany					
7	Germany	68	230	2075	3252	5625
8	■ United Kingdom					
9	United Kingdom	90	253	2743	3820	6906
10	■ North America					
11	□ Canada					
12	Canada	42	222	2835	4521	7620
13	■ United States					
14	Central			8	12	20
15	Northeast			8	19	27
16	Northwest	113	349	3249	5282	8993
17	Southeast		1	8	30	39
18	Southwest	188	527	4551	6999	12265
19	■ Pacific					
20	■ Australia					
21	Australia	367	846	5024	7108	13345
22	Total general	923	2650	22596	34229	60398

6 –Numero de ordenes por año y mes de todos los continentes y países, con sus respectivas categorías

- 41	Α	В	C	D	E	F	G	Н		1.1	ı I	к	LI	4	N	0	Р	0	R	S	т	U	V	w	Х	v	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	ΔI	AM	AN
1	Orderquantity	Año ~	-	-			0	- "	_	•	,	K.	- '	VI	14	0	F	Q	N.	3	•	0	V	vv	^			АА	Ab	AC	AD	AL	AI	AG	AII	AI	AU	AK	AL	Alvi	AIV
2	Orderqualitity	□ 2005						⊕ 20	ne.												2007												□ 2008	,							Total general
	Continente			9	10	11	12			, ,		5	6	7	, ,		,	10	11	12 1			2	4	5	6	7	8	9	10	11	12			3	4	5	6	7		rotal general
4	□ Europe	•	•	_	10	-11	12	-	-			,		•	•	, .	,			12 1		_	•	7	_	•	•		_	10	-11	12	-	_	•	7	•	•	•	•	
5	⊕ France																																								
6	Accessories																										47	172	248	224	217	7 320	289	283	318	308	343	292	229	54	3344
7	Bikes	4	11	8	9	8	15		11	11	14	14	17	11	21	18	30	18	20	37	27	24	34	29	41	43	51	58	60		1 5	7 95			79		107		49		1444
8	Clothing				_	_							-				-				-						10	53	61		L 56						68		52		770
8 9 10	⊕ Germany																												-	-				-	-		-		-		
10	Accessories																										63	159	235	267	7 206	5 290	270	272	302	267	329	339	216	58	3273
11	Bikes	6	10	10	12	16	14		9	13	18	19	20	16	23	19	19	18	25	31	23	25	36	35	32	39	52	56	61	- 69			96	82	114	109	130	138			1600
12	Clothing																										18	41	48	56	5 49	57	67	62	67					12	752
12 13	☐ United Kingdom ☐	1																																							
14 15	Accessories																										59	223	288	352	2 286	5 402	346	307	346	350	383	394	275	46	4057
15	Bikes	8	12	21	22	12	15	,	23	18	8	10 :	10	11	17	26	40	29	24	37	42	29	41	30	36	37	54	88	67	87	7 78	3 148	103	106	117	109	139	137	67	,	1858
16	Clothing																										16	53	69	78	3 7	7 103	95	69	82	90	84	90	70	15	991
17	■ North America																																								
18	□ Canada																																								
19 20 21 22 23 24 25 26	Accessories																										17	321	409	432	395	5 500	508	435	415	449	512	432	390	150	5365
20	Bikes	2	9	7	4	7	13	3	15	31	26	17 :	18	11	26	31	11	11	12	13	14	11	10	13	12	11	19	27	25	42	2 37	7 60	69	46	39	49	72	76	28		924
21	Clothing																										8	78	98	101	1 92	2 103	126	127	105	94	138	111	111	39	1331
22	■ United States																																								
23	Accessories																										130	683	903	1023	1012	2 1207	1116	1043	1126	1133	1316	1183	922	252	13049
24	Bikes	26	45	44	- 58	56	72	2	78	51	60	67 9	92	76 1	.03	93	66	56	44	91	66	54	60	62	79	92	122	168	188	195	21	1 332	283	262	301	306	383	400	165		4907
25	Clothing																										32	166	243	254	239	303	286	261	284	316	357	331	240	76	3388
26	■ Pacific																																								
27	■ Australia																																								
28	Accessories																										113		517	524	579	565	556	596	603	617	700	672	467	114	7004
28 29 30	Bikes	33	70	57	66	65	76	i	68	54	65	65	77	63	65	71	70	86	70	92	100	102	114	109	104	113	130					238			237	229	290	288	117		4472
	Clothing																										23		147			5 164								36	1869
31	Total general	79	157	147	171	164	205	2	04 1	78 1	91 1	92 2	34 1	88 2	55 2	258 2	236	218	195	301	272	245	295	278	304	335	964	2917	3818	4149	396	1 5058	4748	4503	4779	4814	5578	5349	3598	860	60398

7 – Total de ventas por continente con categorías y subcategorías

4	Α	В	С	D	E	F	G	Н	1	J	K	L	М	N	0	P	Q	R	S
1	Total	Sub Cate ~																	
2	Continente -	Bike Racks	Bike Stands	Bottles and Cages	Caps	Cleaners	Fenders	Gloves	Helmets	Hydration Packs	Jerseys	Mountain Bikes	Road Bikes	Shorts	Socks	Tires and Tubes	Touring Bikes	Vests	Total general
3	■ Europe																		
4	Accessories	9360	10653	16985.27		1534.35	8945.86		75508.42	8633.43						70649.08			202269.41
5	Bikes											3066041.976	4290493.437				1288397.31		8644932.723
6	Clothing				7587.56			7983.74			50330.2	1		7768.89	1168.7	7		8001	82840.13
7	■ North America																		
8	Accessories	24000	18603	28567.65		3975	30530.22		104865.03	21171.15						128087.87			359799.92
9 10 11	Bikes											4032898.139	5225542.184				1562721.6		10821161.92
10	Clothing				8288.78			19273.63			82959.9	2		52772.46	2930.74	ļ		20447	186672.53
11	■ Pacific																		
12	Accessories	6000	10335	11245.27		1709.25	7143.5		44962.15	10503.09)					46792.37			138690.63
13 14	Bikes											2853819.449	5004548.416				993682.14		8852050.004
14	Clothing				3811.76			7763.33			39660.5	2		10778.46	1006.88	3		7239	70259.95
15	Total general	39360	39591	56798.19	19688.1	7218.6	46619.58	35020.7	225335.6	40307.67	172950.6	9952759.564	14520584.04	71319.81	5106.32	245529.32	3844801.05	35687	29358677.22

8 – Total de ventas por país de categorías y subcategorías con su Id

4	A	В	С	D	E	F	G	н	1	J	K	L	М	N	0	P	Q	В
2		Total																
3		o 214	o 217	o 222	o 225	o 228	o 231	o 234	o 237	o 310	o 311	o 312	o 313	o 314	₃ 320	o 321	o 322	∘ 323
4		Helmets	Helmets	Helmets	Caps	Jerseys	Jerseys	Jerseys	Jerseys	Road Bikes	 Road Bikes 	 Road Bikes 	Road Bikes	 Road Bikes 	Road Bikes	Road Bikes	 Road Bikes 	
5	País	- Accessories	Accessories	Accessories	Clothing	Clothing	Clothing	Clothing	Clothing	Bikes	Bikes	Bikes	Bikes	Bikes	Bikes	Bikes	Bikes	Bikes
6	Australia	15675.52	14415.88	14870.75	3811.76	1999.6	2099.58	2349.53	2599.48	397187.97	318466.03	390031.43	361405.27	382874.89	6990.982	10961.86	2796.3928	5480.
7	Canada	9622.25	9517.28	8957.44	2175.58	4099.18	3099.38	2699.46	3449.31	107348.1	85878.48	110926.37	114504.64	85878.48	699.0982	2348.97	699.0982	782.
8	Central			69.98														
9	France	8537.56	6998	7732.79	2130.63	2349.53	2299.54	2149.57	1949.61	46517.51	82300.21	82300.21	67987.13	46517.51	1398.1964	3914.95	1398.1964	3131.
10	Germany	8782.49	7662.81	7312.91	2490.23	1999.6	2949.41	2499.5	1749.65	93035.02	100191.56	64408.86	50095.78	82300.21	1398.1964	5480.93	1398.1964	3131.
11	Northeast	34.99	69.98	34.99	17.98													
12	Northwest	10147.1	10776.92	12246.5	2490.23	3599.28	3749.25	4149.17	3949.21	171756.96	132395.99	171756.96	146709.07	157443.88	1398.1964	7829.9	2097.2946	4697.
13	Southeast	69.98	34.99	34.99	8.99	99.98	49.99											782.
14	Southwest	15045.7	14800.77	13401.17	3596	4649.07	4449.11	5648.87	4499.1	275526.79	229009.28	311309.49	254057.17	214696.2	1398.1964	8612.89	699.0982	5480.
15	United Kingdon	10112.11	8677.52	9692.23	2966.7	2649.47	3399.32	3099.38	2449.51	110926.37	57252.32	75143.67	85878.48	85878.48		3914.95	2796.3928	4697.
16	Total genera	l 78027.7	72954.15	74353.75	19688.1	21445.71	22095.58	22595.48	20645.87	1202298.72	1005493.87	1205876.99	1080637.54	1055589.65	13282.8658	43064.45	11884.6694	28187.6
17																		

9 – Total de ventas por producto con Id por grupo de territorio

3	Total	-			
4	Products	- Europe	North America	Pacific	Total general
5	All-Purpose Bike Stand				
6	486	10653	18603	10335	39591
7	⊕ A₩C Logo Cap				
8	225	7587.56	8288.78	3811.76	19688.1
9	⊕ Bike ₩ash – Dissolver				
10	484	1534.35	3975	1709.25	7218.6
11	⊕ Classic Vest, L				
12	473	2730.5	6858	2794	12382.5
13	⊕ Classic Vest, M				
14	472	3111.5	7048.5	2476.5	12636.5
15	⊕ Classic Vest, S				
16	471	2159	6540.5	1968.5	10668
17	⊚ Fender Set - Mountain				
18	485	8945.86	30530.22	7143.5	46619.58
19	Half-Finger Gloves, L				
20	467	2644.92	6024.54	2179.61	10849.07
21	Half-Finger Gloves, M				
22	465	2669.41	6759.24	2791.86	12220.51
23	Half-Finger Gloves, S				
24	463	2669.41	6489.85	2791.86	11951.12
25	Hitch Rack - 4-Bike	0000	0.4000		
26	483	9360	24000	6000	39360
27	HL Mountain Tire	7505	22225	0400	40000
28	537 • HL Road Tire	7595	32865	8400	48860
29	6 HL Road Tire 540	5607.2	16919.4	5444.2	27970.8
30		5007.2	10313.4	5444.2	21310.0
31	Hydration Pack - 70 oz. 487	8633.43	21171.15	10503.09	40307.67
33	⊚ LL Mountain Tire	0033.43	21111.15	10505.05	40301.01
34	535	5247.9	10995.6	5297.88	21541.38
35	LL Road Tire	3241.3	10333.0	3231.00	21341.30
36	538	9691.99	8359.61	4383.96	22435.56
	□ Long-Sleeve Logo Jersey, L		0555.01	4505.50	22433.30
37			12497 5	2349.53	22595.48
38 39	234 • Long-Sleeve Logo Jersey, M	7748.45	12497.5	2349.53	22595.48

10 – Numero de ordenes por producto con su Id, separado por años para todas las Ciudades

3	Total		-				
4	Products	- 2005	2006	2007	2008		Total general
5	All-Purpose Bike Stand						
6	⊕ 486						
7	Beaverton					477	477
8	Bellflower				318	159	477
9	Bellingham					318	318
10	Bendigo					318	318
11	Berkeley				159	159	318
12	Berlin				159		159
13	Beverly Hills				159		159
14	Bonn				159	318	477
15	Bottrop				159	159	318
16	Bremerton				159	477	636
17	Brisbane				159		159
18	Burbank				159	159	318
19	Burien				159	159	318
20	Burlingame					159	159
21	Caloundra				159	159	318
22	Cergy				159		159
23	Chatou				159		159
24	Cheltenham				159		159
25	Chula Vista				318	318	636
26	Cliffside					318	318
27	Coffs Harbour				159	159	318
28	Colma				159	159	318
29	Concord				159	159	318
30	Coronado				318		318
31	Cranbourne					159	159
32	Daly City				159		159
33	Darlinghurst				318	159	477
34	Downey					159	159
35	Duesseldorf				159		159
36	Dunkerque					318	318
37	East Brisbane				318	318	636
					477		499