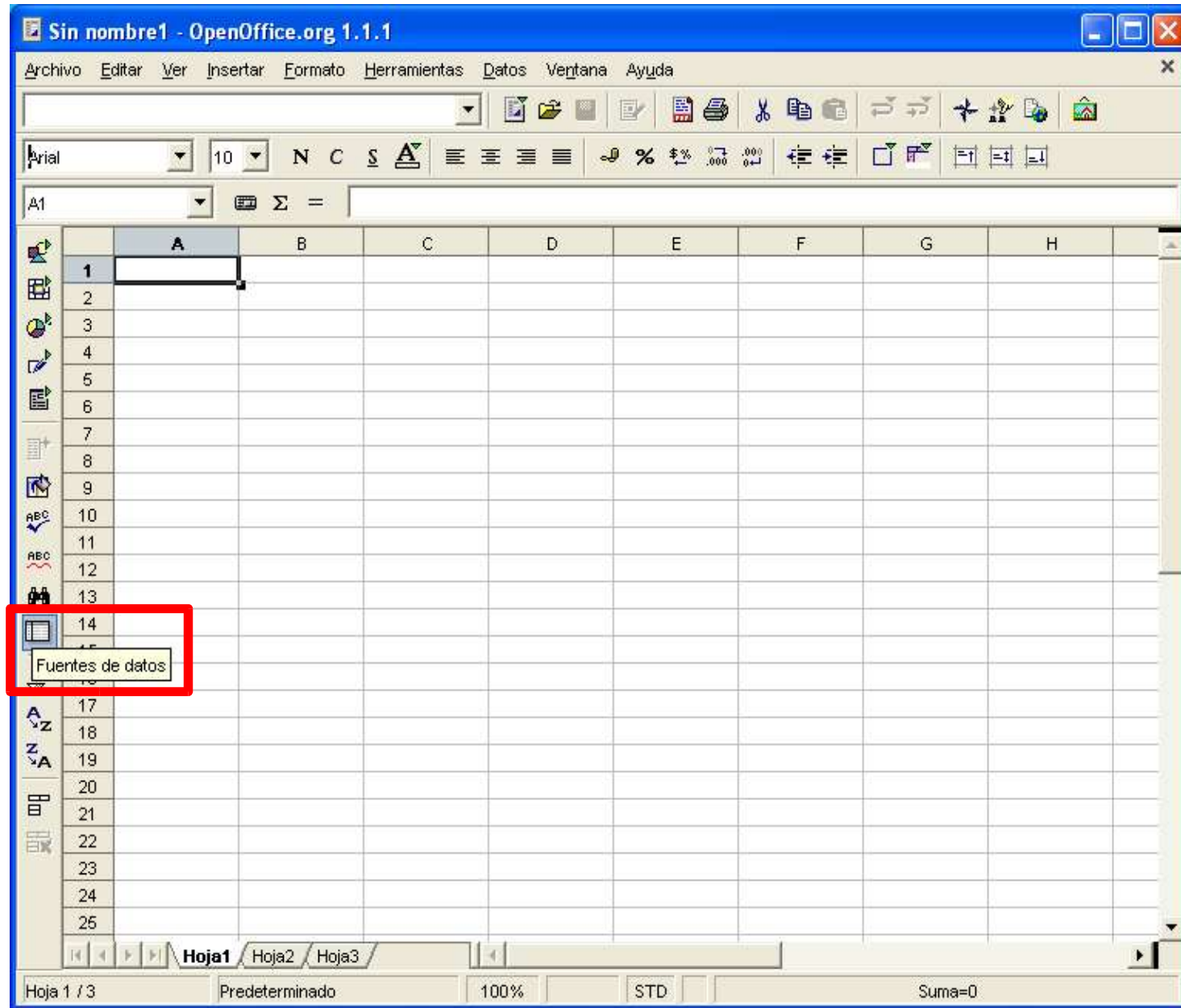


Hoja de cálculo - Base de Datos

Captura y reutilización de información desde
diversas fuentes:

INTERNET,
Hojas de cálculo,
Bases de datos

Conexión de hoja y base de datos



Captura desde Internet

The screenshot shows a Windows desktop with several applications open. The Internet Explorer window, titled 'Perfiles Estructurales - Microsoft Internet Explorer', displays a table of structural profiles. The table has columns for height (h), width (b), section modulus (S), moment of inertia (I), and weight (W). The OpenOffice.org window, titled 'Sin nombre1 - OpenOffice.org 1.1.1', shows the 'Insertar' menu with 'Datos externos...' highlighted. The table in the Internet Explorer window is as follows:

	h	b	S	I	W	cm ²	Kg/m	cm ⁴	I _x	I _y	W _x	W _y	I _x
IPE 80	80	46	3,8	5,2	5	7,64	6,0	80,1	8,49	20,0	3,69	3,24	
IPE 100	100	55	4,1	5,7	7	10,3	8,1	171	15,9	34,2	5,79	4,07	
IPE 120	120	64	4,4	6,3	7	13,2	10,4	316	27,7	53,0	8,65	4,90	

(dirección conocida)

Perfiles Estructurales - Microsoft Internet Explorer

Dirección: <http://www.grupovelasco.com/wgvelasco/L1/Prontuario/Estructural/Estructural22.shtml>

	h	b	s	t	r			I_x	I_y	V_x	W_y	i_x	i_y	m^2/m	m^2/t
IPE 80	80	46	3,8	5,2	5	7,64	6,0	80,1	8,49	10,0	3,69	3,24	1,05	0.328	49.33
IPE 100	100	55	4,1	5,7	7	10,3	8,1	171	15,9	11,2	5,79	4,07	1,24	0.400	45.82
IPE 120	120	64	4,4	6,3	7	13,2	10,4	316	27,7	13,0	8,65	4,90	1,45	0.475	

Sin nombre1 - OpenOffice.org 1.1.1

Datos externos

URL de la fuente de datos externa: www.grupovelasco.com/wgvelasco/L1/Prontuario/Estructural/Estructural22.shtml

(URL del documento fuente en el sistema de archivos local o en Internet)

Tablas/Áreas disponibles:

- HTML_all
- HTML_tables**
- HTML_1
- HTML_2
- HTML_3
- HTML_4
- HTML_5
- HTML_6
- HTML_7

☐ Actualizar cada 60 segundos

Aceptar

Cancelar

Ayuda

Seleccionar una

Inicio | Gimp | Perfiles Estructur... | Sin nombre1 - Op... | OpenOffice.org - ... | ES | 3:11

Transferir a BD, tras limpiar

Sin nombre1 - OpenOffice.org 1.1.1

Archivo Editar Ver Insertar Formato Herramientas Datos Ventana Ayuda

temporal
Vínculos
Consultas
Tablas
public.lista2

Registro de

Times New Roman 10 N C S A

A22 Σ =

	A	B	C	D	E	F	G	H	I	J	
1	id	h	b	s	t	r	a	m	ix	iy	
2	IPE 80	80,0000	46,0000	3,8000	5,2000	5,0000	7,6400	6,0000	80,1000	8,4900	20
3	IPE 100	100,0000	55,0000	4,1000	5,7000	7,0000	10,3000	8,1000	171,0000	15,9000	34
4	IPE 120	120,0000	64,0000	4,4000	6,3000	7,0000	13,2000	10,4000	316,0000	27,7000	53
5	IPE 140	140,0000	73,0000	4,7000	6,9000	7,0000	16,4000	12,9000	541,0000	44,9000	77
6	IPE 160	160,0000	82,0000	5,0000	7,4000	9,0000	20,1000	15,8000	869,0000	68,3000	100
7	IPE 180	180,0000	91,0000	5,3000	8,0000	9,0000	23,9000	18,8000	1317,0000	101,0000	140
8	IPE 200	200,0000	100,0000	5,6000	8,5000	12,0000	28,5000	22,4000	1943,0000	142,0000	190
9	IPE 220	220,0000	110,0000	5,9000	9,2000	12,0000	33,4000	26,2000	2772,0000	205,0000	250
10	IPE 240	240,0000	120,0000	6,2000	9,8000	15,0000	39,1000	30,7000	3892,0000	284,0000	320
11	IPE 270	270,0000	135,0000	6,6000	10,2000	15,0000	45,9000	36,1000	5790,0000	420,0000	420
12	IPE 300	300,0000	150,0000	7,1000	10,7000	15,0000	53,8000	42,2000	8356,0000	604,0000	550
13	IPE 330	330,0000	160,0000	7,5000	11,5000	18,0000	62,6000	49,1000	11770,0000	788,0000	710

Hoja1 Hoja2 Hoja3

Hoja 1 / 3 Predeterminado 100% STD * Suma=0

seleccionar y arrastrar

The screenshot shows the OpenOffice.org 1.1.1 interface. The menu bar includes Archivo, Editar, Ver, Insertar, Formato, Herramientas, Datos, Ventana, and Ayuda. The toolbar contains various icons for file operations and editing. The left sidebar shows a tree view with 'temporal', 'Vinculos', 'Consultas', 'tablas' (highlighted with a red circle), and 'public.lista2'. The main window displays a spreadsheet with columns K through T and rows 3 through 15. A red dashed selection box highlights the range A1:P19. The status bar at the bottom shows 'Hoja 1 / 3', 'Predeterminado', '100%', 'STD', and 'Suma=359604,3630'.

	K	L	M	N	O	P	Q	R	S	T
3	34,2000	5,7900	4,0700	1,2400	0,4000	45,8200				
4	53,0000	8,6500	4,9000	1,4500	0,4750					
5	77,3000	12,3000	5,7400	1,6500	0,5510	42,7000				
6	109,0000	16,7000	6,5800	1,8400	0,6230	39,4700				
7	146,0000	22,2000	7,4200	2,0500	0,6980	37,1300				
8	194,0000	28,5000	8,2600	2,2400	0,7680	34,3600				
9	252,0000	37,3000	9,1100	2,4800	0,8480	32,3600				
10	324,0000	47,3000	9,9700	2,6900	0,9220	30,0200				
11	429,0000	62,2000	11,2000	3,0200	1,0400	28,8600				
12	557,0000	80,5000	12,5000	3,3500	1,1600	27,4600				
13	713,0000	98,5000	13,7000	3,5500	1,2500	25,5200				
14	904,0000	123,0000	15,0000	3,7900	1,3500	23,7000				
15	1160,0000	146,0000	16,5000	3,9500	1,4700	22,1200				

creando tabla a partir de datos H.C.

Perfiles Estructurales - Microsoft Internet Explorer

Archivo Edición Ver Favoritos Herramientas Ayuda

Atrás Búsqueda Favoritos Multimedia

Dirección <http://www.grupovelasco.com/wgvelasco/L1/Prontuario/Estructural/Estructural22.shtml> Ir Vínculos

Sin nombre1 - OpenOffice.org 1.1.1

Archivo Editar Ver Insertar Formato Herramientas Datos Ventana Ayuda

temporal Vínculos Consultas Tablas public.lista2

A1:P19

Copiar la tabla

Nombre de la tabla: **perfiles_hcalc**

Opciones:

- ☒ Definición y datos
- ☐ Definición
- ☐ Como visualización de tabla
- ☐ Adjuntar datos
- ☐ Crear llave primaria

Nombre: ID1

Ayuda Cancelar < Regresar Siguiendo > **Crear**

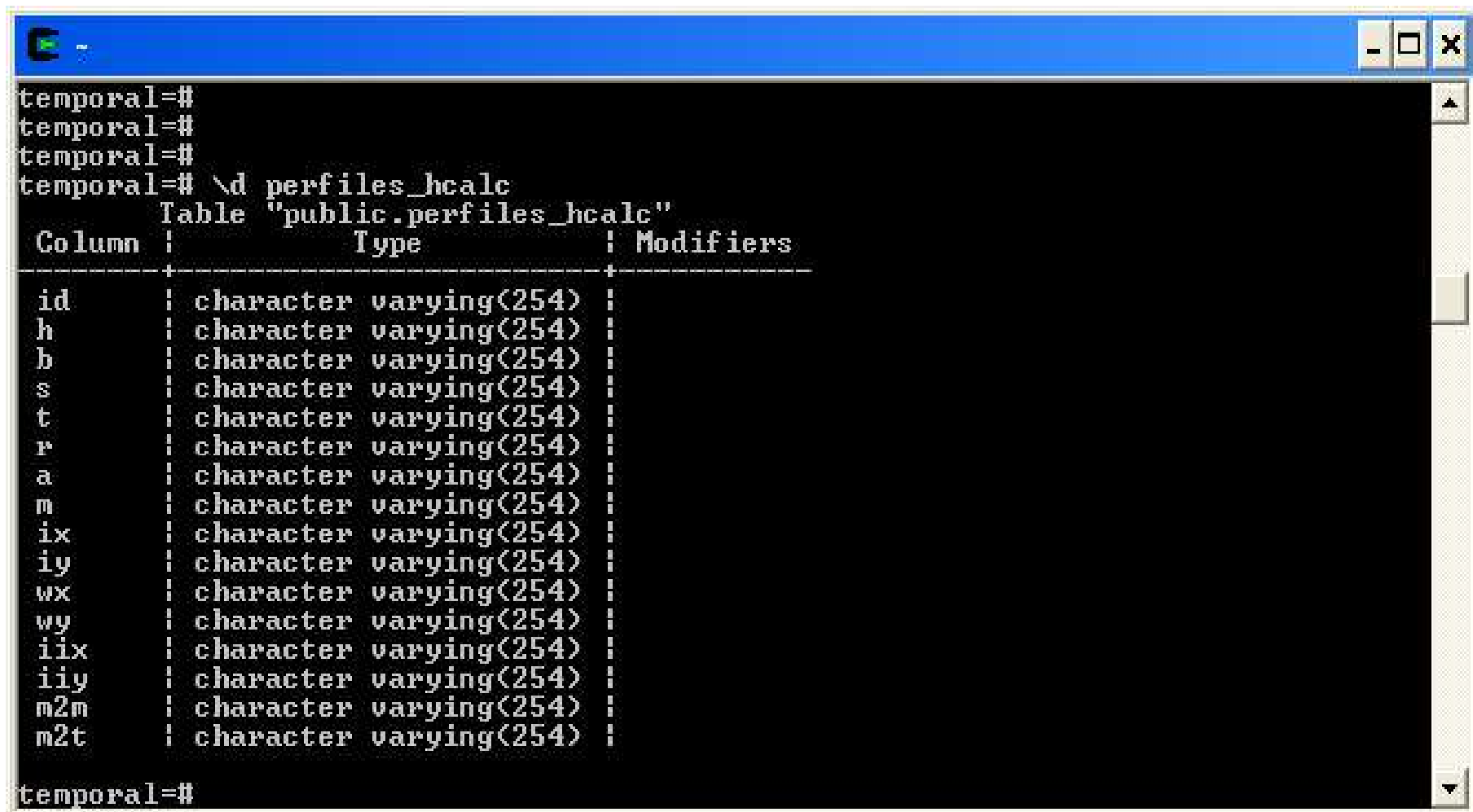
	K	L	M
1	vx		
2	20,0000	3	
3	34,2000	5	
4	53,0000	8	
5	77,3000	12	
6	109,0000	16	
7	146,0000	22	
8	194,0000	28	
9	252,0000	37	
10	324,0000	47	
11	429,0000	62	
12	557,0000	80,5000	12,5000
13	713,0000	98,5000	13,7000

Hoja1 Hoja2 Hoja3

Hoja 1 / 3 Predeterminado 100% STD * Suma=369604,3630

Inicio Gimp Perfiles Estructurales... Sin nombre1 - Open... OpenOffice.org - Ay... ES 3:33

formato de las “columnas”



The screenshot shows a SQL command window with a blue title bar. The text inside the window is as follows:

```
temporal=#
temporal=#
temporal=#
temporal=# \d perfiles_hcalc
Table "public.perfiles_hcalc"
Column |          Type          | Modifiers
-----+-----+-----
id      | character varying(254) |
h       | character varying(254) |
b       | character varying(254) |
s       | character varying(254) |
t       | character varying(254) |
r       | character varying(254) |
a       | character varying(254) |
m       | character varying(254) |
ix      | character varying(254) |
iy      | character varying(254) |
wx      | character varying(254) |
wy      | character varying(254) |
iix     | character varying(254) |
iiy     | character varying(254) |
m2m     | character varying(254) |
m2t     | character varying(254) |
temporal=#
```

Column	Type	Modifiers
id	character varying(254)	
h	character varying(254)	
b	character varying(254)	
s	character varying(254)	
t	character varying(254)	
r	character varying(254)	
a	character varying(254)	
m	character varying(254)	
ix	character varying(254)	
iy	character varying(254)	
wx	character varying(254)	
wy	character varying(254)	
iix	character varying(254)	
iiy	character varying(254)	
m2m	character varying(254)	
m2t	character varying(254)	

(los errores pueden corregirse)

The screenshot shows the OpenOffice.org 1.1.1 interface. The top menu bar includes Archivo, Editar, Ver, Insertar, Formato, Herramientas, Datos, Ventana, and Ayuda. The toolbar contains various icons for file operations, editing, and formatting. The left sidebar shows the 'Vínculos' (Links) and 'Consultas' (Queries) sections, with the 'Tablas' (Tables) section expanded. The 'perfil' table is selected, and a context menu is open over it. The menu options are: Administrar fuentes de datos..., SQL..., Desconectar, Nuevo diseño de tabla, Editar la tabla, Nuevo diseño de visualización, Foto automático - Formulario..., Foto automático - Informe..., Borrar... (highlighted with a red box), and Copiar. The main window displays a spreadsheet with data from the 'perfil' table. The data is organized into columns: id, h, b, s, t, r, a, m, ix, iy, wx, wy, iix, iiy, m2m, m2t. The rows show values for each column, such as IPE 80, IPE 100, and IPE 120. The bottom status bar shows 'Hoja 1 / 3', 'Predeterminado', '100%', 'STD', and 'Suma=0'.

id	h	b	s	t	r	a	m	ix	iy	wx	wy	iix	iiy	m2m	m2t
IPE 80	80	46	3,8	5,2	5	7,64	6	80,1	8,49	20	3,69	3,24	1,05	0,328	49,33
IPE 100	100	55	4,1	5,7	7	10,3	8,1	171	15,9	34,2	5,79	4,07	1,24	0,4	45,82
IPE 120	120	64	4,4	6,3	7	13,2	10,4	316	27,7	53	8,65	4,9	1,45	0,475	
			7	6,9	7	16,4	12,9	541	44,9	77,3	12,3	5,74	1,65	0,551	42,7
			7,4	9		20,1	15,8	869	68,3	109	16,7	6,58	1,84	0,623	39,47

empleando el “diseño de tabla”

Perfiles Estructurales - Microsoft Internet Explorer

Diseño de tabla: temporal

Archivo Editar Herramientas Ventana Ayuda

Nombre del campo	Tipo de campo	Descripción
m	Double [float8]	
ix	Double [float8]	
iy	Double [float8]	
wx	Double [float8]	
wy	Double [float8]	
iix	Double [float8]	
iyy	Double [float8]	
m2m	Double [float8]	
m2t	Texto [varchar]	

Propiedades del campo

Entrada requerida

Longitud 15

Gimp

Fich. Exts Ayuda

B5

Σ = 140

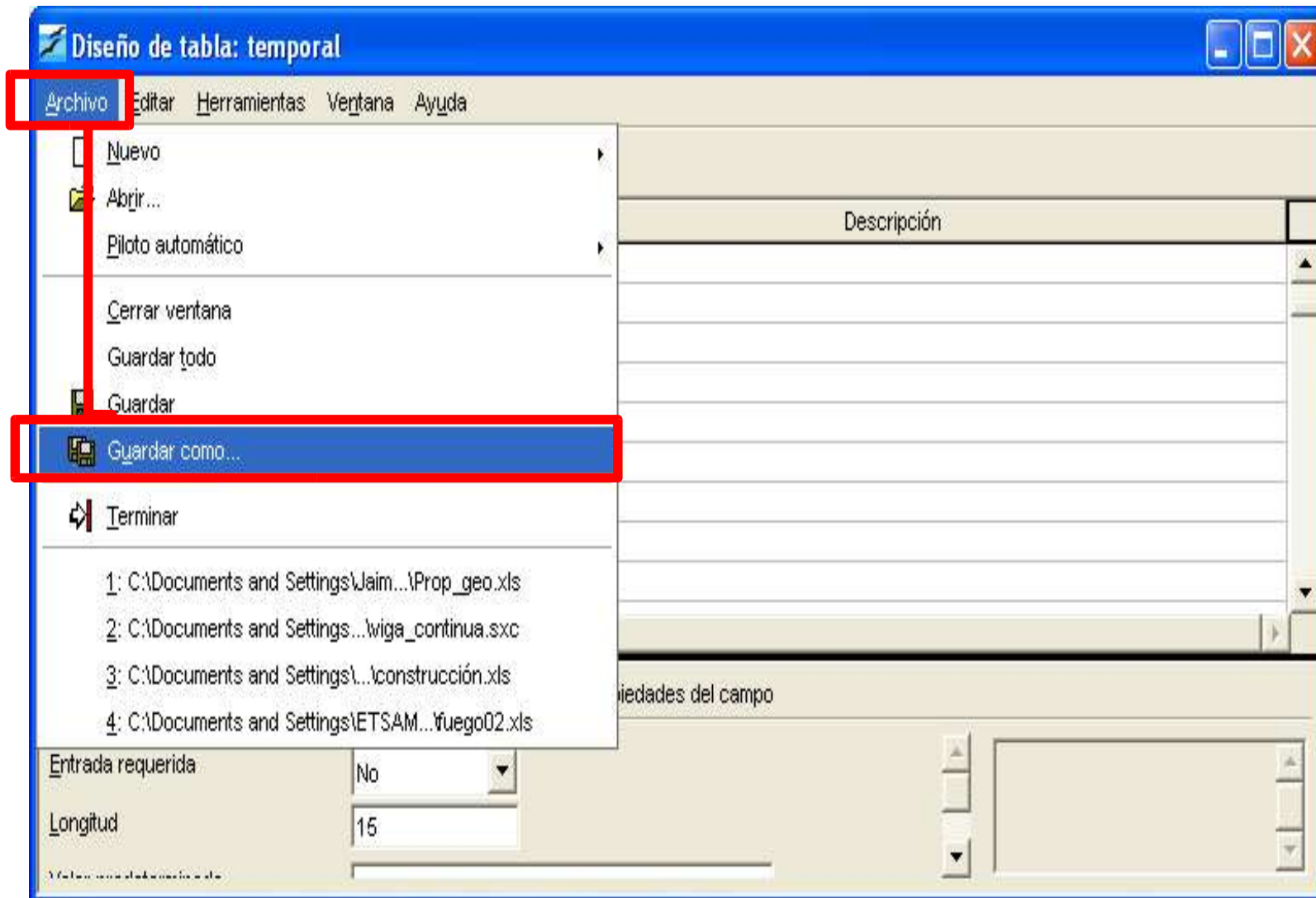
	I	J	K	L	M	N	O	P	Q	R
1	ix	iy	wx	wy	iix	iyy	m2m	m2t		
2	80,1000	8,4900	20,0000	3,6900	3,2400	1,0500	0,3280	49,3300		
3	171,0000	15,9000	34,2000	5,7900	4,0700	1,2400	0,4000	45,8200		
4	316,0000	27,7000	53,0000	8,6500	4,9000	1,4500	0,4750			
5	541,0000	44,9000	77,3000	12,3000	5,7400	1,6500	0,5510	42,7000		
6	869,0000	68,3000	109,0000	16,7000	6,5800	1,8400	0,6230	39,4700		
7	1317,0000	101,0000	146,0000	22,2000	7,4200	2,0500	0,6980	37,1300		
8	1943,0000	142,0000	194,0000	28,5000	8,2600	2,2400	0,7680	34,3600		
9	2772,0000	205,0000	252,0000	37,3000	9,1100	2,4800	0,8480	32,3600		
10	3892,0000	284,0000	324,0000	47,3000	9,9700	2,6900	0,9220	30,0200		
11	5790,0000	420,0000	429,0000	62,2000	11,2000	3,0200	1,0400	28,8600		
12	8356,0000	604,0000	557,0000	80,5000	12,5000	3,3500	1,1600	27,4600		
13	11770,0000	788,0000	713,0000	98,5000	13,7000	3,5500	1,2500	25,5200		

Hoja1 Hoja2 Hoja3

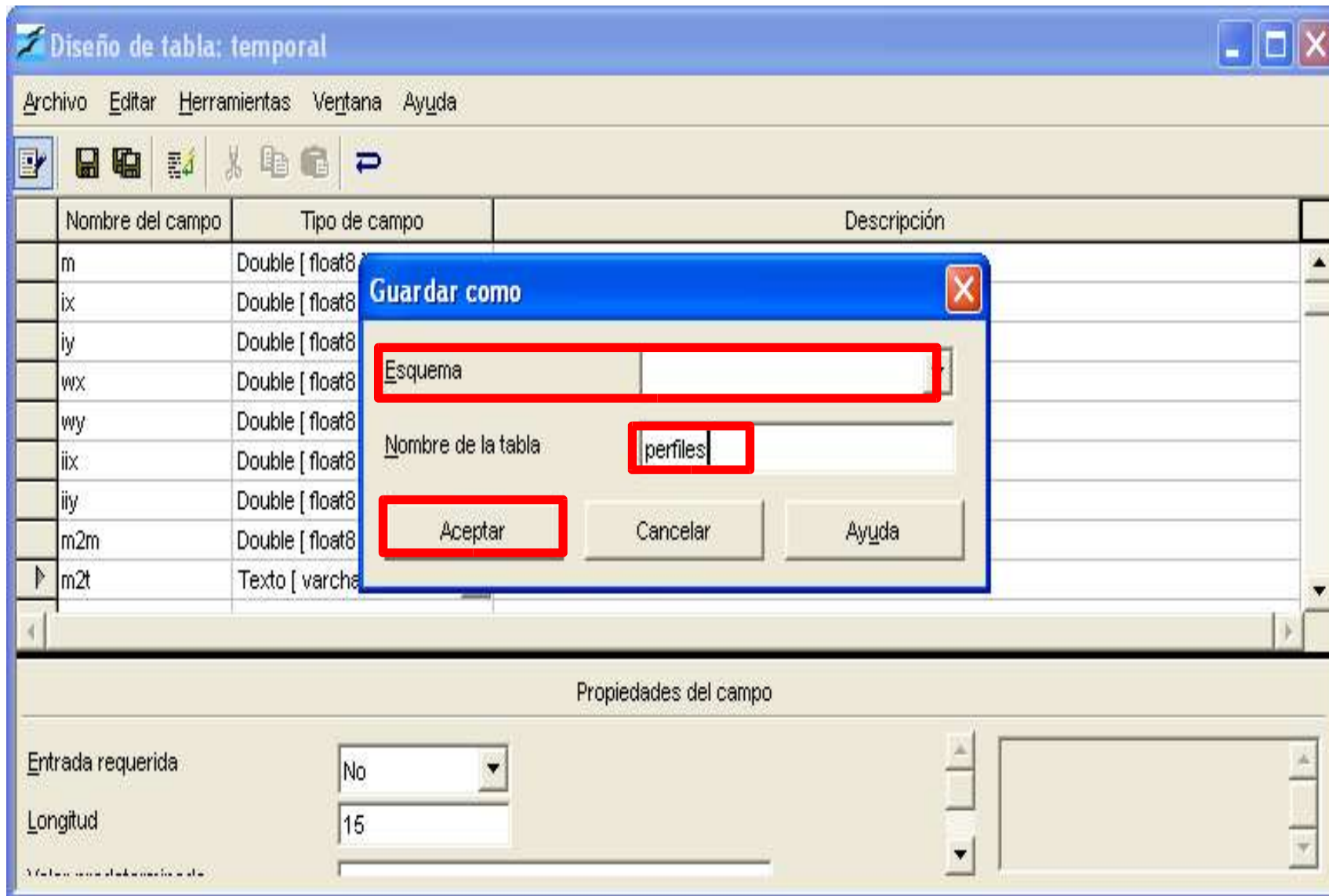
Hoja 1 / 3 Predeterminado 100% STD * Suma=140,0000

Inicio Gimp Perfiles Estruct... Sin nombre1 - ... OpenOffice.org... Diseño de tabla... ES 3:43

empleando el “diseño de tabla”



borrar “Esquema” y anotar nombre



seleccionar y arrastrar

Sin nombre1 - OpenOffice.org 1.1.1

Archivo Editar Ver Insertar Formato Herramientas Datos Ventana Ayuda

Vínculos Consultas **Tablas** perfiles public.lista

id	num1	num2	num3	descrip
1	35.45	43.12	34.5	Primero
2	36.45	44.12	35.5	Primero
3	37.45	45.12	36.5	Primero
4	38.45	46.12	37.5	Primero
5	39.45	47.12	38.5	Primero

Registro 1 de 11 *

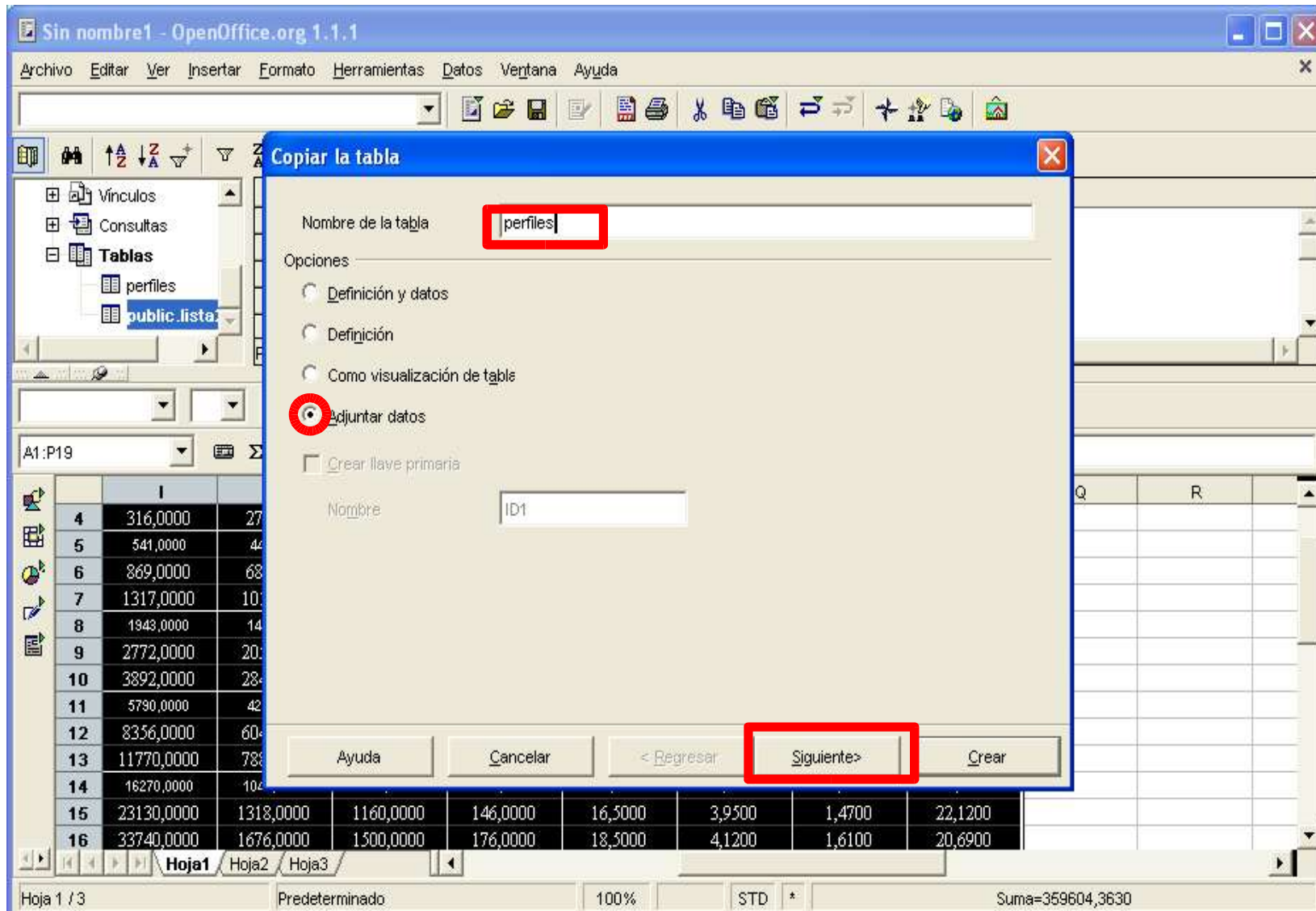
A1:P19 Σ = 16,45

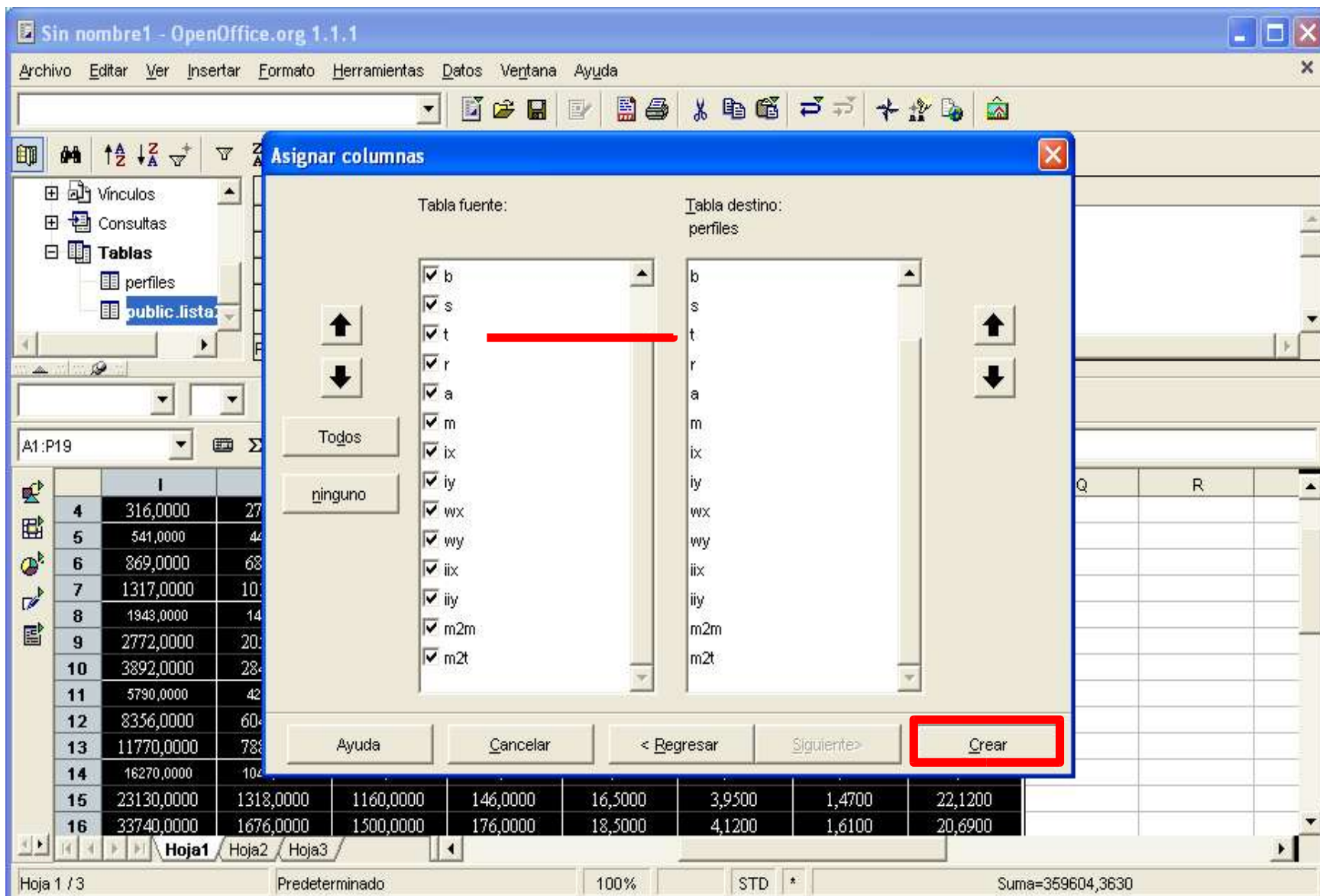
	I	J	K	L	M	N	O	P	Q	R
11	5790,0000	420,0000	429,0000	62,2000	11,2000	3,0200	1,0400	28,8600		
12	8356,0000	604,0000	557,0000	80,5000	12,5000	3,3500	1,1600	27,4600		
13	11770,0000	788,0000	713,0000	98,5000	13,7000	3,5500	1,2500	25,5200		
14	16270,0000	1043,0000	904,0000	123,0000	15,0000	3,7900	1,3500	23,7000		
15	23130,0000	1318,0000	1160,0000	146,0000	16,5000	3,9500	1,4700	22,1200		
16	33740,0000	1676,0000	1500,0000	176,0000	18,5000	4,1200	1,6100	20,6900		
17	48200,0000	2142,0000	1930,0000	214,0000	20,4000	4,3100	1,7400	19,2300		
18	67120,0000	2668,0000	2440,0000	254,0000	22,3000	4,4500	1,8800	17,7800		
19	92080,0000	3387,0000	3070,0000	308,0000	24,3000	4,6600	2,0100	16,4500		
20										
21										
22										
23										

Hoja1 Hoja2 Hoja3

Hoja 1 / 3 Predeterminado 100% STD * Suma=359604,3630

adjuntar datos a tabla preexistente





formato adecuado de “columnas”

Perfiles Estructurales - Microsoft Internet Explorer

temporal=#
temporal=#
temporal=# \d perfiles
Table "public.perfiles"
Column : Type Modifiers
id character varying(50) not null
h double precision
b double precision
s double precision
t double precision
r double precision
a double precision
m double precision
ix double precision
iy double precision
wx double precision
wy double precision
iix double precision
iix double precision
m2m double precision
m2t double precision
Indexes: perfiles_pkey primary key btree (id)
temporal=#

Gimp

Fich. Exts Ayuda

	iix	m2m	m2t
1.05	0.328	49.33	
1.24	0.4	45.82	
1.45	0.475		
1.65	0.551	42.7	
1.84	0.623	39.47	

A1:P19 Σ = 16,45

	I	J	K	L	M	N	O	P	Q	R
1	ix	iy	wx	wy	iix	iix	m2m	m2t		
2	80,1000	8,4900	20,0000	3,6900	3,2400	1,0500	0,3280	49,3300		
3	171,0000	15,9000	34,2000	5,7900	4,0700	1,2400	0,4000	45,8200		
4	316,0000	27,7000	53,0000	8,6500	4,9000	1,4500	0,4750			
5	541,0000	44,9000	77,3000	12,3000	5,7400	1,6500	0,5510	42,7000		
6	869,0000	68,3000	109,0000	16,7000	6,5800	1,8400	0,6230	39,4700		
7	1317,0000	101,0000	146,0000	22,2000	7,4200	2,0500	0,6980	37,1300		
8	1943,0000	142,0000	194,0000	28,5000	8,2600	2,2400	0,7680	34,3600		
9	2772,0000	205,0000	252,0000	37,3000	9,1100	2,4800	0,8480	32,3600		
10	3892,0000	284,0000	324,0000	47,3000	9,9700	2,6900	0,9220	30,0200		
11	5790,0000	420,0000	429,0000	62,2000	11,2000	3,0200	1,0400	28,8600		
12	8356,0000	604,0000	557,0000	80,5000	12,5000	3,3500	1,1600	27,4600		
13	11770,0000	788,0000	713,0000	98,5000	13,7000	3,5500	1,2500	25,5200		

Hoja1 Hoja2 Hoja3

Hoja 1 / 3 Predeterminado 100% STD * Suma=359604,3630

Inicio Gimp Perfiles Estructurales... Sin nombre1 - Open... OpenOffice.org - Ay... ES 3:55

pasar datos desde BD a HC

Sin nombre1 - OpenOffice.org 1.1.1

Archivo Editar Ver Insertar Formato Herramientas Datos Ventana Ayuda

temporal

- Vínculos
- Consultas
- Tablas
 - public.lista2
 - public.perfi

id h b s t r a m ix iy wx wy iix iiy m2m m2t

IPE 80	80	46	3.8	5	Datos en texto...	80.1	8.49	20	3.69	3.24	1.05	0.328	49.33		
IPE 100	100	55	4.1	5.7	7	10.3	8.1	171	15.9	34.2	5.79	4.07	1.24	0.4	45.82
IPE 120	120	64	4.4	6.3	7	13.2	10.4	316	27.7	53	8.65	4.9	1.45	0.475	
IPE 140	140	73	4.7	6.9	7	16.4	12.9	541	44.9	77.3	12.3	5.74	1.65	0.551	42.7
IPE 160	160	82	5	7.4	9	20.1	15.8	869	68.3	109	16.7	6.58	1.84	0.623	39.47
IPE 180	180	91	5.3	8	9	23.9	18.8	1317	101	146	22.2	7.42	2.05	0.698	37.13
IPE 200	200	100	5.6	8.5	12	28.5	23.4	1842	142	184	28.5	9.26	2.34	0.769	34.36

Registro 4 de 11 * (3)

Arial 10 N C S A

A1

A B C D E F G H I J

1

2

3

4

5

6

7

8

9

10

11

12

13

14

Hoja1 Hoja2 Hoja3

Hoja 1 / 3 Predeterminado 100% STD Suma=0

pasar datos desde BD a HC

Sin nombre1 - OpenOffice.org 1.1.1

Archivo Editar Ver Insertar Formato Herramientas Datos Ventana Ayuda

temporal

- Vínculos
- Consultas
- Tablas
 - public.lista2
 - public.perfi

	id	h	b	s	t	r	a	m	ix	iy	wx	wy	iix	iyy	m2m	m2t
	IPE 80	80	46	3.8	5.2				80.1	8.49	20	3.69	3.24	1.05	0.328	49.33
	IPE 100	100	55	4.1	5.7	7	10.3	8.1	171	15.9	34.2	5.79	4.07	1.24	0.4	45.82
	IPE 120	120	64	4.4	6.3	7	13.2	10.4	316	27.7	53	8.65	4.9	1.45	0.475	
	IPE 140	140	73	4.7	6.9	7	16.4	12.9	541	44.9	77.3	12.3	5.74	1.65	0.551	42.7
	IPE 160	160	82	5	7.4	9	20.1	15.8	869	68.3	109	16.7	6.58	1.84	0.623	39.47
	IPE 180	180	91	5.3	8	9	23.9	18.8	1317	101	146	22.2	7.42	2.05	0.698	37.13
	IPE 200	200	100	5.6	8.5	10	28.5	22.4	1843	147	184	28.5	9.06	2.34	0.768	34.35

Registro 4 de 11 * (3)

Arial 10 N C S A

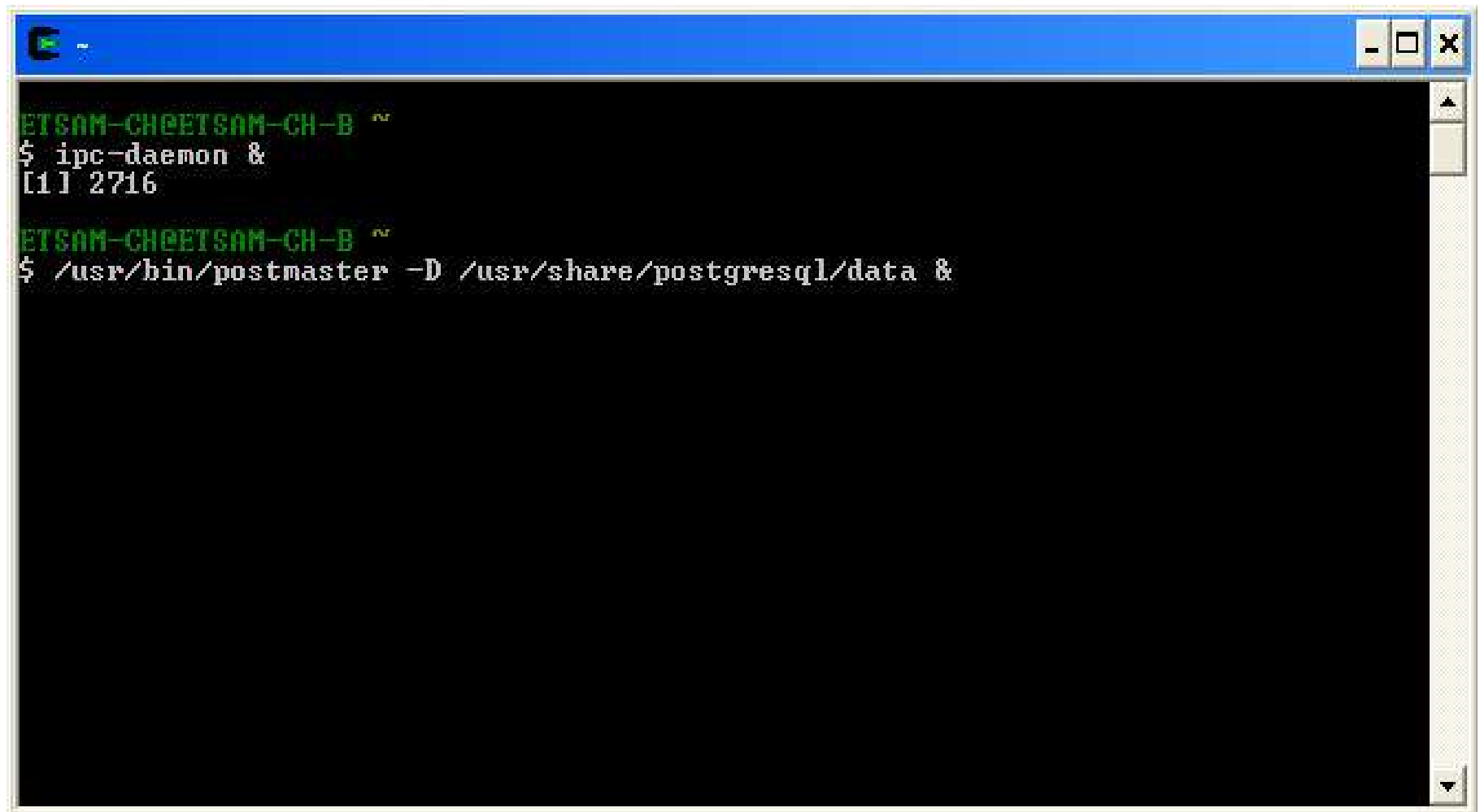
A1:P4 Σ = id

	A	B	C	D	E	F	G	H	I	J	
1	id	h	b	s	t	r	a	m	ix	iy	wx
2	IPE 140	140	73	4.7	6.9	7	16.4	12.9	541	44.9	
3	IPE 160	160	82	5	7.4	9	20.1	15.8	869	68.3	
4	IPE 180	180	91	5.3	8	9	23.9	18.8	1317	101	
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											

Hoja1 Hoja2 Hoja3

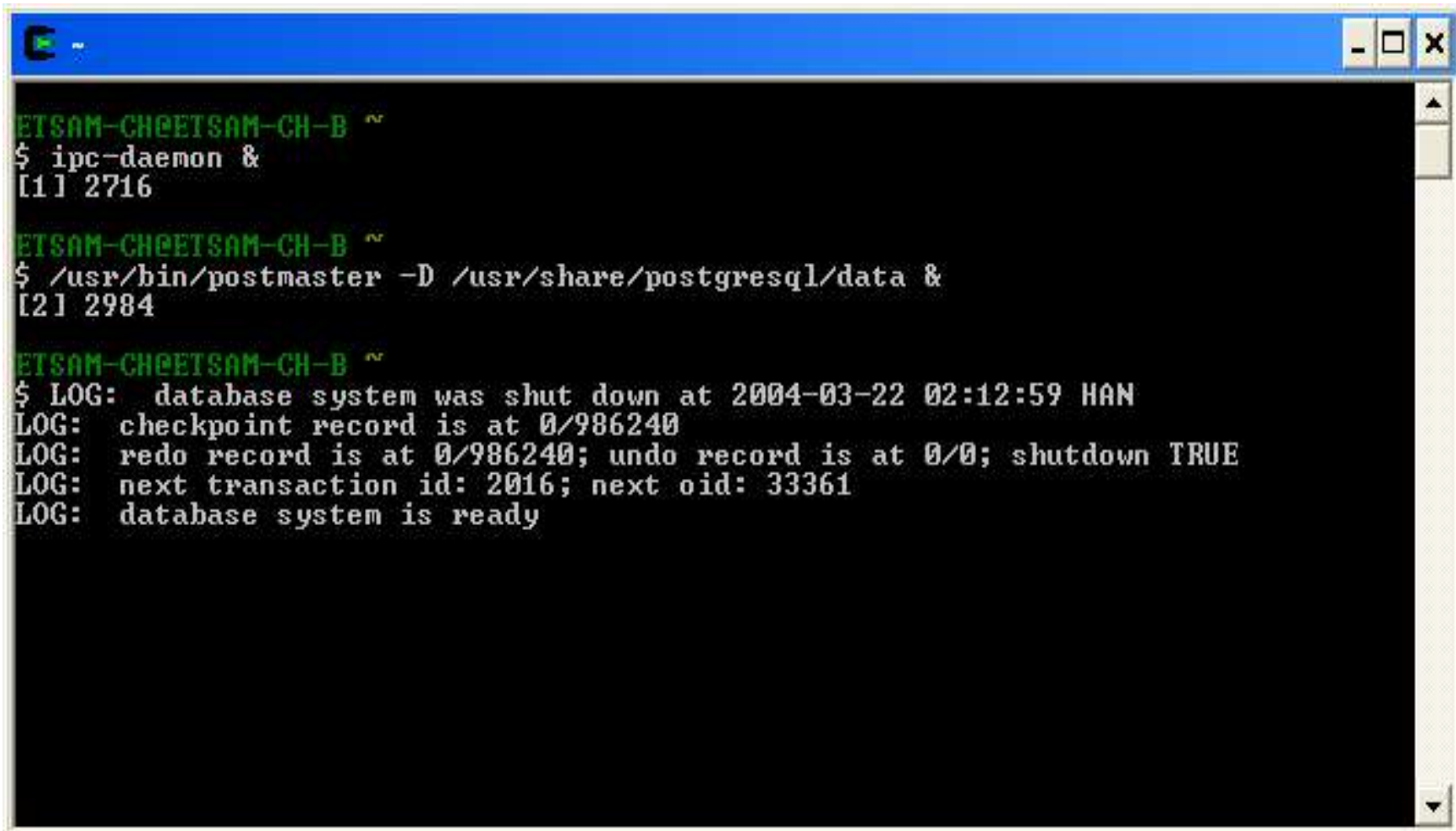
Hoja 1 / 3 Predeterminado 100% STD * Suma=4367,35

arranque de postgres en CYWIN/W.



```
ETSAM-CH@ETSAM-CH-B ~  
$ ipc-daemon &  
[1] 2716  
  
ETSAM-CH@ETSAM-CH-B ~  
$ /usr/bin/postmaster -D /usr/share/postgresql/data &
```

arranque de postgres en CYWIN/W.



```
ETSAM-CH@ETSAM-CH-B ~  
$ ipc-daemon &  
[1] 2716  
  
ETSAM-CH@ETSAM-CH-B ~  
$ /usr/bin/postmaster -D /usr/share/postgresql/data &  
[2] 2984  
  
ETSAM-CH@ETSAM-CH-B ~  
$ LOG:  database system was shut down at 2004-03-22 02:12:59 HAN  
LOG:  checkpoint record is at 0/986240  
LOG:  redo record is at 0/986240; undo record is at 0/0; shutdown TRUE  
LOG:  next transaction id: 2016; next oid: 33361  
LOG:  database system is ready
```