

# Tableau

# En construcción



**BI ANALYSTS**



**DATA ANALYSTS**



**DATA SCIENTISTS**



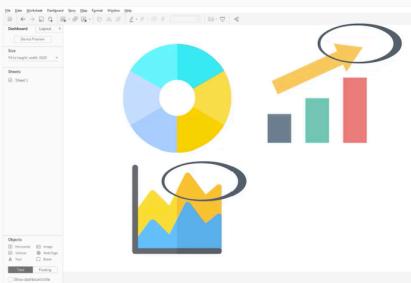
# GEOGRAPHICAL DATA



# VISUALS DASHBOARDS

# AND

# MULTI-LAYERED CALCULATIONS



# Excel



**POWERFUL FOR DATA  
VISUALIZATION**



**DATA CREATION TOOL**



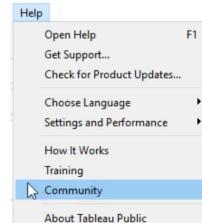
**PRE-PROCESSING**



**MULTI-LAYERED CALCULATIONS**

<https://public.tableau.com/en-us/s/>

Versión Gratuita!!.



Recursos de otros usuarios!!

A screenshot of the Tableau Public website search results for 'geography'. The search bar at the top contains the word 'geography'. Below the search bar, there are navigation links: 'All results 2,596', 'Vizzes 2,556', 'Authors 29', 'Blogs 11', and 'Resources'. The main content area displays two search results:

- Geography - ri.uncc**  
A thumbnail image of a Tableau viz titled 'Geography - ri.uncc'. Below it is a link: [https://public.tableau.com/profile/ri.uncc#/vizhome/Geography\\_9/Geography](https://public.tableau.com/profile/ri.uncc#/vizhome/Geography_9/Geography).  
Jan 4, 2016 - Geography
- Geography - Lakshmi**  
A thumbnail image of a Tableau viz titled 'Geography - Lakshmi'. Below it is a link: [https://public.tableau.com/profile/lakshmi3372#/vizhome/Geography\\_25/Geography](https://public.tableau.com/profile/lakshmi3372#/vizhome/Geography_25/Geography).  
Sep 9, 2017 - Geography

# Funcionalidades importantes

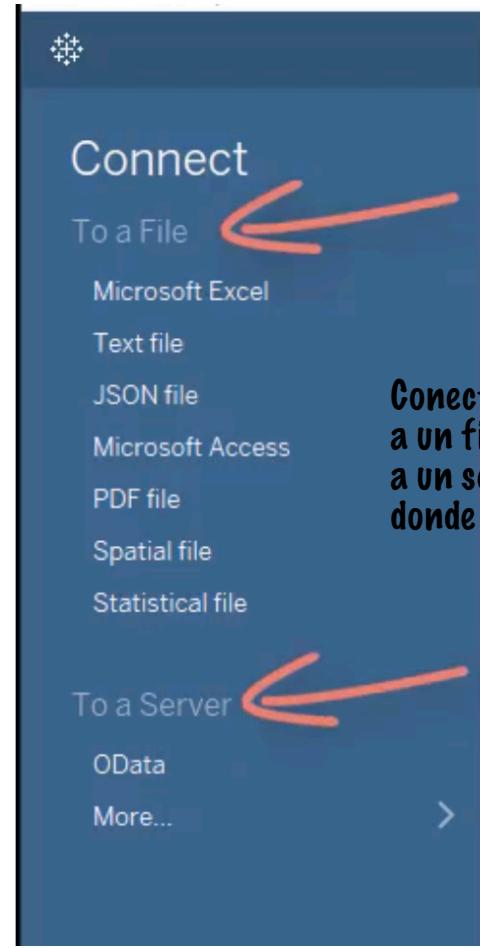
The screenshot shows the Tableau application window with the following menu structures:

- File** (highlighted in orange):
  - New (⌘N)
  - Open... (⌘O)
  - Close (⌘W)
  - Save (⌘S)
  - Save As... (⇧⌘S)
  - Revert to Saved (⌃⌘E)
  - Export As Version...
  - Export Packaged Workbook...
  - Export As PowerPoint...
- Data** (highlighted in orange):
  - New Data Source (⌘D)
  - Paste (⌘V)
  - Refresh All Extracts...
  - Edit Blend Relationships...
  - Replace Data Source...
  - Data (Data) ▶
    - ✓ Export\_13-04-2020-EmpresasDetails (highlighted in orange)
    - postalCodeGIS
- Map** (highlighted in orange):
  - Background Maps ▶
  - Background Images ▶
  - Geocoding ▶
  - Map Legend
  - Map Layers... ▶
  - Map Options... ▶

Key features highlighted with arrows and text labels:

- Crear, Open, Cerrar, Guardar un fichero** (Create, Open, Close, Save a file) points to the **File** menu.
- Visualización Geográfica** (Geographic Visualization) points to the **Map** menu.
- Adicionar, Reemplazar ó Editar fuentes de datos** (Add, Replace or Edit data sources) points to the **Data** menu.

# Importar ficheros - conectar los datos



Conejar  
a un fichero ó  
a un servidor  
donde estén los datos

Hoja de trabajo activa

Tableau - EmpresasDetails\_1

Microsoft Excel file...

Arrastra y Soltar

Revisar que se hayan cargado los datos correctamente

F1	F2	F3	F4	Data.F4	F5	F6	F7	F8	F9	F10
null	null	null	null	null	null	null	null	null	null	null
null	null	null	null	null	null	null	null	null	null	null
Country Name	Indicator Name	2,002.00	2,003.00	2,004.00	2,005.00	2,006.00	2,007.00	2,008.00		
Afghanistan	GDP (current US\$)	4,128,820,723.05	4,583,644,246.48	5,285,465,685.86	6,275,073,571.55	7,057,598,406.62	9,843,842,455.48	10,190,525,882.49	12,496,941.21	
Angola	GDP (current US\$)	12,497,846,669.67	14,188,949,190.62	19,640,848,728.89	28,233,712,830.90	41,789,478,661.31	60,448,921,272.23	84,178,032,716.10	75,492,384.21	
Albania	GDP (current US\$)	4,435,078,647.79	5,745,945,912.58	7,314,865,175.62	8,195,548,716.69	8,992,642,348.79	10,701,111,896.77	12,881,352,687.78	12,044,214.21	
Andorra	GDP (current US\$)	1,733,116,883.12	2,398,645,598.19	2,935,659,299.73	3,257,599,080.96	3,543,256,805.92	4,016,372,351.49	4,007,353,156.58	3,660,533.21	
Arab World	GDP (current US\$)	72,051,715,403.45	82,110,541,440.46	96,862,340,520.58	1,184,661,549,595.13	1,404,113,530,000.68	1,637,573,196,970.62	2,078,115,659,876.48	1,795,819,601.21	
United Arab Emirates	GDP (current US\$)	109,816,201,497.62	124,346,359,066.71	147,824,370,319.95	180,617,018,379.85	222,116,541,465.21	257,916,133,424.10	315,474,615,738.60	253,547,738.21	
Argentina	GDP (current US\$)	97,724,004,251.60	127,585,973,492.02	164,657,930,452.79	198,73,705,012.80	232,557,760,817.31	287,530,508,430.57	361,558,037,110.42	332,976,484.21	
Armenia	GDP (current US\$)	2,376,335,648.40	2,807,061,008.69	3,576,615,240.42	4,903,469,950.09	6,384,451,606.14	9,206,301,700.40	11,662,040,713.88	8,647,933.21	
American Samoa	GDP (current US\$)	514,000,000.00	527,000,000.00	512,000,000.00	496,000,000.00	520,000,000.00	563,000,000.00	678,000.00		
Antigua and Barbuda	GDP (current US\$)	814,615,323.70	855,643,099.63	919,577,142,520	1,022,912,294.07	1,157,005,441.48	1,311,401,318.89	1,368,431,037.04	1,224,251.21	
Australia	GDP (current US\$)	394,635,830,891.59	466,853,323,282.06	613,329,776,639.64	693,767,409,562,72	747,572,626,534.89	853,764,622,752.61	1,055,334,825,425.25	92,168,310.21	
Austria	GDP (current US\$)	213,377,771,503.86	261,695,776,781.04	300,904,221,504.10	315,974,418,604.70	335,998,557,270.10	388,691,445,387.35	400,172,299.00	390,287,388.31	
Azerbaijan	GDP (current US\$)	6,235,795,303.89	7,726,013,031.97	8,680,472,186.52	13,245,716,099.01	20,983,019,923.89	33,050,343,782.78	48,852,482,960.08	44,291,492.21	

# Importar ficheros - conectar los datos

The screenshot shows the Tableau Data Source interface. On the left, under 'Connections', there are two entries: 'Sample - EU Superstore' (Microsoft Excel) and 'Orders' (Microsoft Excel). Under 'Sheets', there are three entries: 'Cleaned with Data Interpreter' (checkbox checked), 'Review the results. (To undo changes, clear the check box.)', 'Orders', 'People', and 'Returns'. A green arrow points from the 'Orders' sheet to the 'Orders' connection. Another green arrow points from the 'Orders' connection to the 'Orders' sheet. The main pane displays a table titled 'Orders' with columns: Row ID, Order ID, Order Date, Ship Date, Ship Mode, Customer ID, Customer Name, Segment, Postal Code, and City. The table contains approximately 30 rows of data.

1. Arrastrar y Soltar

Varias hojas...

The screenshot shows the Tableau Data Source interface. On the left, under 'Connections', there is one entry: 'Sample - EU Superstore' (Microsoft Excel). Under 'Sheets', there are three entries: 'Cleaned with Data Interpreter' (checkbox checked), 'Review the results. (To undo changes, clear the check box.)', 'Orders', 'People', and 'Returns'. A green arrow points from the 'Orders' sheet to the 'Orders' connection. Another green arrow points from the 'Orders' connection to the 'Orders' sheet. The main pane displays a table titled 'Orders' with columns: Order ID, Order Date, Ship Date, Ship Mode, Customer ID, Customer Name, Segment, Postal Code, and City. The table contains approximately 30 rows of data. Below the main pane, a 'Join' dialog box is open, showing options for 'Inner', 'Left', 'Right', and 'Full Outer' joins between 'Orders' and 'People' data sources.

2. Arrastrar y Soltar

Fuentes de datos  
fichero excel con  
varias hojas

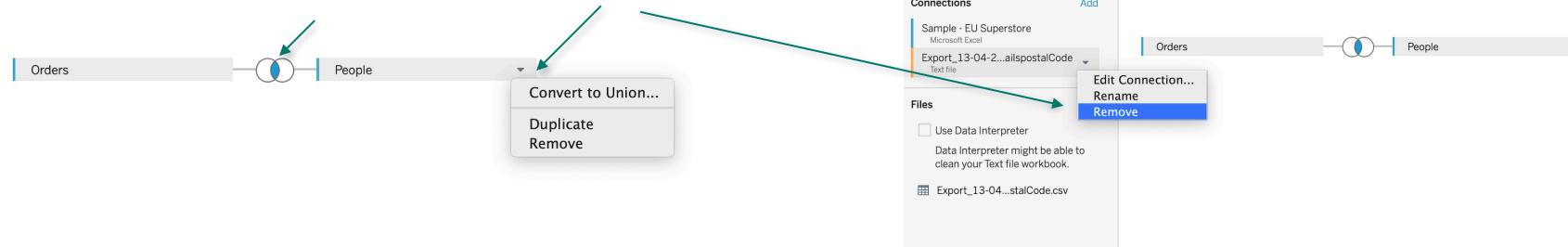
3.

Automáticamente  
se crea una unión  
entre las fuentes  
de datos

# Importar ficheros - conectar los datos

Sample - EU Superstore

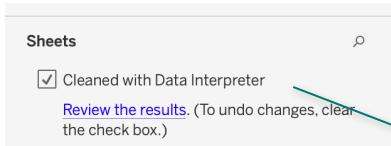
## Modificar la conexión



## Diferentes tipos de ficheros..

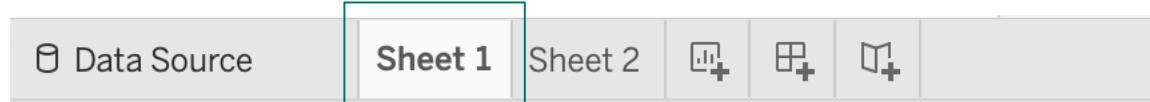
The screenshot shows the Tableau interface with multiple windows. One window displays 'Connections' (Sample - EU Superstore, Microsoft Excel) and 'Sheets' (Orders). Another window shows 'Add a Connection' with 'Text file' selected. A third window shows a file list with 'Export\_13-04-2...postalCode.csv' highlighted. A fourth window shows a 'Join' dialog with 'Data Source' (Orders) and 'Beneficio' selected. A large green arrow points from the highlighted file in the file list window towards the 'Join' dialog window.

Si encuentra  
coincidencia,  
Automáticamente se



## Desaparecen los null

Abc Data Indicator Name	# Data 2002	# Data 2003	# Data 2004	# Data 2005	# Data 2006	# Data 2007	# Data 2008	# Data 2009	# Data 2010
GDP (current US\$)	4,128,820,723.05	4,583,644,246.48	5,285,465,685.86	6,275,073,571.55	7,057,598,406.62	9,843,842,455.48	10,190,529,882.49	12,486,943,505.74	15,936,
GDP (current US\$)	12,497,346,669.67	14,188,949,190.62	19,640,848,728.89	28,233,712,830.90	41,789,478,661.31	60,448,921,272.23	84,178,032,716.10	75,492,384,801.37	82,470,
GDP (current US\$)	4,435,078,647.75	5,746,945,912.58	7,314,865,175.62	8,158,548,716.69	8,992,642,348.79	10,701,011,896.77	12,881,352,687.78	12,044,212,903.82	11,926,
GDP (current US\$)	1,733,116,883.12	2,398,645,598.19	2,935,659,299.73	3,255,789,080.96	3,543,256,805.92	4,016,972,351.49	4,007,353,156.58	3,660,530,702.97	3,355,



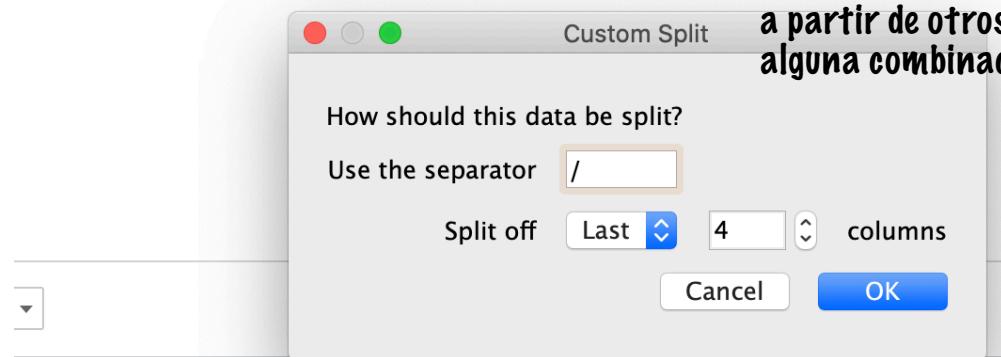
Click y abrir la hoja de trabajo

Nueva hoja de trabajo  
Nuevo Dashboard  
Nueva Story

Fuentes de datos

# Creación de Campos

a partir de otros o aplicando alguna combinación ...



Abc	Abc	Abc	Abc
Export_13-04-2020-Empres...	Rename	Export_13-04-2020-Empresa...	Export_13-04-2020-Empres...
Founding Date	Reset Name	@Type (Identifier)	Property ID

Abc	=Abc	=Abc
Export_13-04-2020-Empres...	Calculation	Calculation
Url	dominio	dominio
http://www.adidas.es	adidas.es	adidas.es
http://www.tubacex....	tubacex.com	tubacex.com
http://www.guardian...	guardian.com	guardian.com
http://www.tubosreun...	tubosreunidos.com	tubosreunidos.com
http://www.quesogr...	quesograndcapitan.co	quesograndcapitan.co
http://www.bancSAB...	bancSABAELL.com	bancSABAELL.com
http://www...	comercial	comercial

comercial" + "[dominio]"

The calculation is valid.

Apply OK

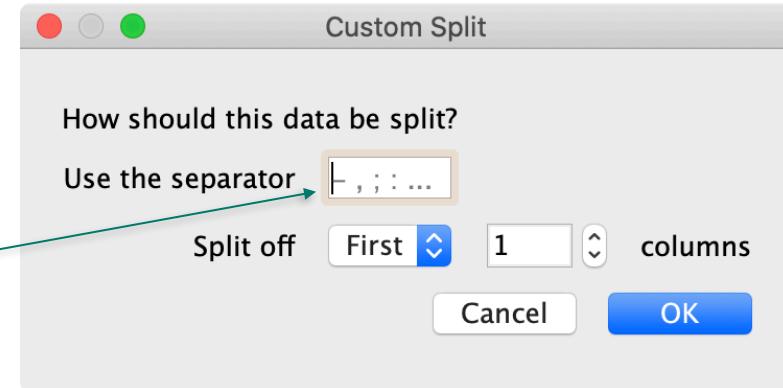
Crea 3 campos adicionales para la fecha DD/MM/AAAA

Separar campos - split ó  
customizar el split

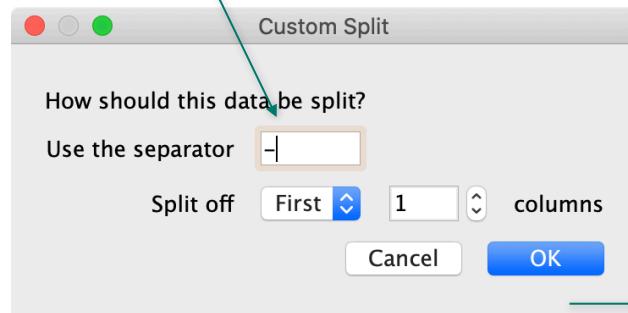
Abc	=Abc	=Abc	=Abc
Export_13-04-2020-Empres...	Calculation	Calculation	Calculation
Founding Date	Founding Date - S...	Founding Date - S...	Founding Date - S...

31/12/2001 31 12 2001

#	Abc Orders ID Fila	Abc Orders ID Pedido
1	ES-2019-131103	2019
2	ES-2019-131103	2019
3	ES-2019-131103	2019
4	ES-2019-131103	2019
5	ES-2019-131103	2019
6	ES-2019-131103	2019
7	ES-2019-131103	2019
8	ES-2017-5113958	02/08/2017
		07/08/2017



Cuando encuentra el separador crea 1 columna



	Abc Orders ID Pedido	=Abc Calculation ID Pedido - Split 1
1	ES-2019-131103	ES
2	ES-2019-131103	ES
3	ES-2019-131103	ES
4	ES-2019-131103	ES

	Abc	Orders	ID Pedido
1	ES-2019-131103		
2	ES-2019-131103		
3	ES-2019-131103		
4	ES-2019-131103		
5	ES-2019-131103		
6	ES-2019-131103		
7	ES-2019-131103		

Cuando encuentra el separador crea las columnas automáticamente.

	Abc	=Abc	=#	=#
	Orders	Calculation	Calculation	Calculation
	ID Pedido	ID Pedido - Split 1	ID Pedido - Split 2	ID Pedido - Split 3
1	ES-2019-1311038	ES	2019	1311038
2	ES-2019-1311038	ES	2019	1311038
3	ES-2019-1311038	ES	2019	1311038
4	ES-2019-1311038	ES	2019	1311038
5	ES-2019-1311038	ES	2019	1311038
6	ES-2019-1311038	ES	2019	1311038
7	ES-2019-1311038	ES	2019	1311038

JSON file...

Tableau - Book1

Connections  
Export\_13-04-...presasDetails JSON file

Files  
\_.16-12-2019 - Hokkaido.txt  
\_.DCAG1.json  
16-12-2019 - Hokkaido.txt  
data.txt  
dbmongoCode.txt  
DCAG1.json  
empresas\_ok\_1...268669120.txt  
Export\_13-04-20...sasDetails.json  
Export\_13-04-2...alCodeGIS.json  
New Union

Export\_13-04-2020-EmpresasDetails

Select Schema Levels

The schema levels you select determine which dimensions and measures are available for analysis in the worksheet.

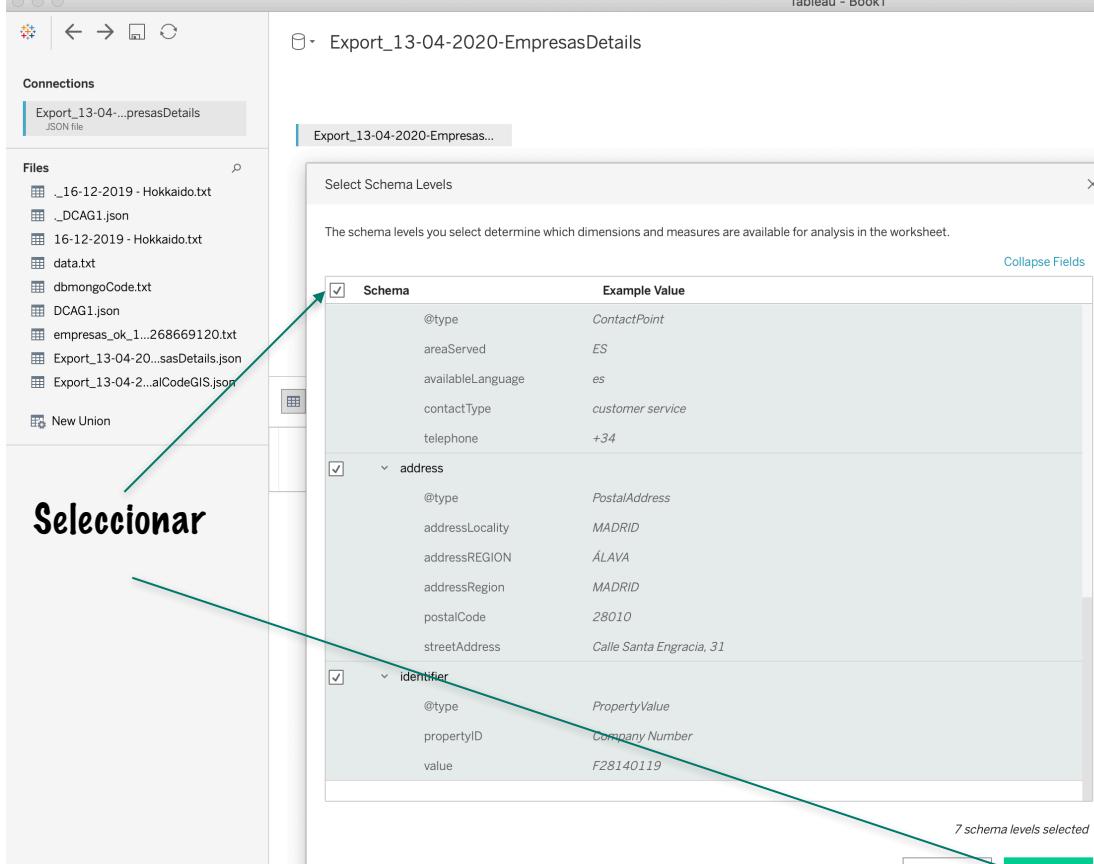
Collapse Fields

Schema	Example Value
@type	ContactPoint
areaServed	ES
availableLanguage	es
contactType	customer service
telephone	+34
address	
@type	PostalAddress
addressLocality	MADRID
addressREGION	ÁLAVA
addressRegion	MADRID
postalCode	28010
streetAddress	Calle Santa Engracia, 31
identifier	
@type	PropertyValue
propertyID	Company Number
value	F28140119

7 schema levels selected

Cancel OK

Seleccionar



Revisar que se hayan cargado los datos correctamente

## Columnas



**Filas** →

#	Abc Export_13-04-2020-Empresa... Document Index (...)	Abc Export_13-04-2020-Empresa... \$Oid	Abc Export_13-04-2020-Empresa... @Type (Address)	Abc Export_13-04-2020-Empresa... Address Locality	Abc Export_13-04-2020-Empresa... Address REGION	Abc Export_13-04-2020-Empresa... Address Region	Abc Export_13-04-2020-Empresa... Postal Code	Abc Export_13-04-2020-Empresa... Street Address	Abc Export_13-04-2020-Empresa... Alternate Name	Abc Export_13-04-2020-Empresa... @tj
1	5e8f4e2e00de3e750...	PostalAddress	MADRID	null	MADRID	28010	Calle Santa Engracia,...	COFARES SOCIEDAD ...	COF	
2	5e8f4e2e00de3e750...	PostalAddress	ARAZURI	null	NAVARRA	31170	POLÍGONO INDUSTRI...	VOLKSWAGEN NAVA...	COI	
3	5e8f4e2e00de3e750...	PostalAddress	GETAFE	null	MADRID	28906	Avenida John Lennon...	AIRBUS DEFENCE AN...	COI	
4	5e8f4e2e00de3e750...	PostalAddress	BARCELONA	null	BARCELONA	08028	Av. Diagonal 621-629	CRITERIA CAIXA SA	COI	
5	5e8f4e2e00de3e750...	PostalAddress	POZUELO DE ALARCÓN	null	MADRID	28224	CAMINO CERRO DE L...	CD SUPPLY INNOVATI...	COI	
6	5e8f4e2e00de3e750...	PostalAddress	TRES CANTOS	null	MADRID	28760	AVENIDA DE LOS ENC...	MICHELIN ESPAÑA P...	COI	
7	5e8f4e2e00de3e750...	PostalAddress	L'HOSPITALET DE LL...	null	BARCELONA	08908	AVENIDA GRAN VIA ...	NISSAN MOTOR IBER...	COI	
8	5e8f4e2e00de3e750...	PostalAddress	MADRID	null	MADRID	28042	Calle Ribera del Loira...	ENERGIA XXI COMER...	COI	
9	5e8f4e2e00de3e750...	PostalAddress	MADRID	null	MADRID	28050	Avda. de BURGOS, 89	RENAULT ESPAÑA CO...	COI	
10	5e8f4e2e00de3e750...	PostalAddress	SILLA	null	VALENCIA	46460	Avda. Alginet, 1	CONSUM S COOP V	COI	
11	5e8f4e2e00de3e750...	PostalAddress	VALENCIA	null	VALENCIA	46002	Pintor Sorolla N°8	BANKIA SA	COI	
12	5e8f4e2e00de3e750...	PostalAddress	BILBAO	null	VIZCAYA	48011	GRAN VIA 19-21	ALVEAN SUGAR SL	COI	
13	5e8f4e2e00de3e750...	PostalAddress	BARCELONA	null	BARCELONA	08018	Avenida Vilanova, 12	EDISTRIBUCION RED...	COI	
14	5e8f4e2e00de3e750...	PostalAddress	PRAT DE LLOBREGAT,...	null	BARCELONA	08820	Parque de Negocios ...	VUELING AIRLINES SA	COI	
15	5e8f4e2e00de3e750...	PostalAddress	BILBAO	null	VIZCAYA	48003	Avenida de San Adri...	I-DE REDES ELECTRIC...	COI	
16	5e8f4e2e00de3e750...	PostalAddress	BILBAO	null	VIZCAYA	48008	Plaza Euskadi n°me...	IBERDROLA SA	COI	14

The screenshot shows the Tableau Data Source interface. On the left, the 'Dimensions' pane lists fields like Id, Address, Contact Point, and Export\_13-04-2020-EmpresasDetails. On the right, the 'Measures' pane lists Latitude, Longitude, Number of Records, and Measure Values. A green arrow points from the 'Dimensions' pane to the text 'Azul'. Another green arrow points from the 'Measures' pane to the text 'Verde'.

**Fuentes de datos**

**Azul**

Identifica automáticamente cuales son las dimensiones - Categorical Data - No puede tener Agregaciones - Datos Cualitativos - Valores Discretos. Genera un valor por cada uno de esos datos.

**Verde**

Identifica automáticamente cuales son las medidas - Numerical Data - Puede tener Agregaciones - Datos Cuantitativos - Valores Continuos - Puede tener un valor entre el inicio y final de ese rango

## Arrastre medidas ó dimensiones



Ó doble click para realizar un nuevo calculo

Sheet 1

Drop field here

Area de trabajo -  
crear las  
Visualizaciones  
Dashboards  
Storys

Drop field here

Drop field here



Diferentes  
tipos de  
Visualizaciones  
disponibles

The screenshot shows the Tableau interface with the 'Marks' shelf open on the right side. The shelf includes options for 'Automatic', 'Color', 'Size', 'Text', 'Detail', and 'Tooltip'. Below the shelf, there is a section titled 'Select or drag data' with the instruction 'Use the Shift or Cmd key to select multiple fields'. To the left of the shelf, there are sections for 'Pages' (with 'Analizar campos específicos') and 'Filters' (with 'Filtrar datos'). The 'Address REGION' filter is also visible at the bottom of the shelf.

Pages

Analizar campos específicos

Filters

Filtrar datos

Address REGION

Show Me

Marks

Automatic

Color

Size

Text

Detail

Tooltip

Select or drag data

Use the Shift or Cmd key to select multiple fields

Color

Tamaño

Etiquetas

Detalles para los campos

Abc Measure Names

Measures

- Latitude (generated)
- Longitude (generated)
- Number of Records
- Measure Values

Tableau genera automáticamente, tanto dimensiones como medidas a partir de los datos originales.

Export 13-04-2020-EmpresasDetails

Abc Alternate Name

Abc Description

# Document Index (generated)

- Number (decimal)
- Number (whole)
- Date & Time
- Date
- String
- Default
- Geographic Role ►

Abc Telephone

Abc Url

Este campo es de tipo Numérico  
No tiene Rol Geográfico

Address

- Abc @Type (Address)
- Abc Address Locality
- Abc Address Region
- Abc Address REGION
- Postal Code

Number (decimal)

Number (whole)

Date & Time

Date

String

Default

Geographic Role ►

None

Airport

Area Code (U.S.)

CBSA/MSA (U.S.)

City

Congressional District (U.S.)

Country/Region

County

NUTS Europe

State/Province

ZIP Code/Postcode

Tableau reconoce que es un campo que tiene un rol geográfico, ZIP Code y que es de tipo String

Address

- Abc @Type (Address)
- Abc Address Locality
- Abc Address Region
- Abc Address REGION

Number (decimal)

Number (whole)

Date & Time

Date

String

Default

Geographic Role ►

None

Airport

Area Code (U.S.)

CBSA/MSA (U.S.)

City

Congressional District (U.S.)

Country/Region

County

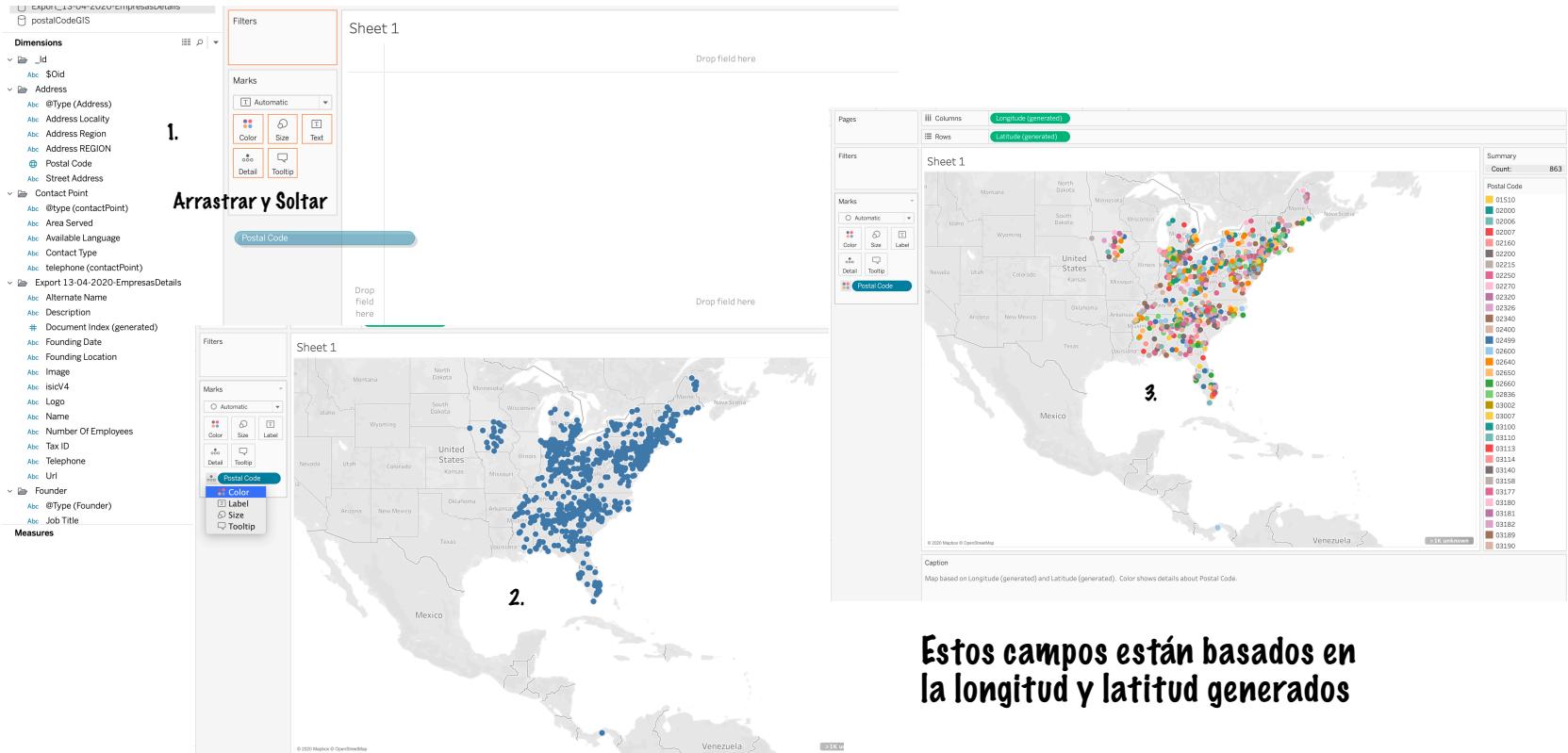
NUTS Europe

State/Province

ZIP Code/Postcode

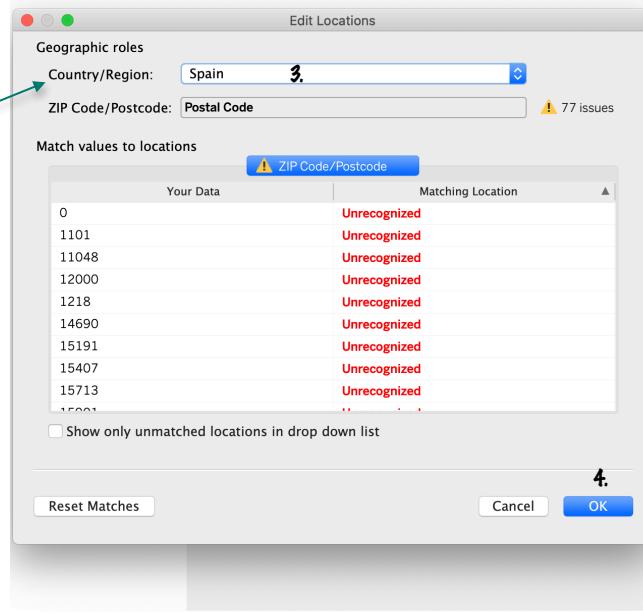
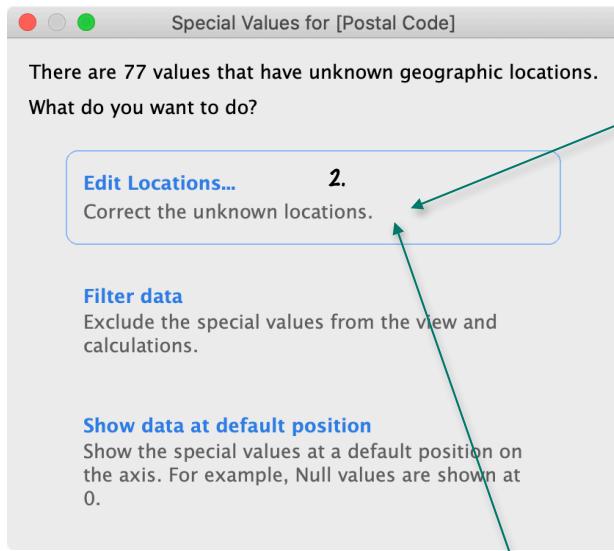
Create from ►

Este campo es de tipo String No tiene Rol Geográfico



**Estos campos están basados en la longitud y latitud generados**

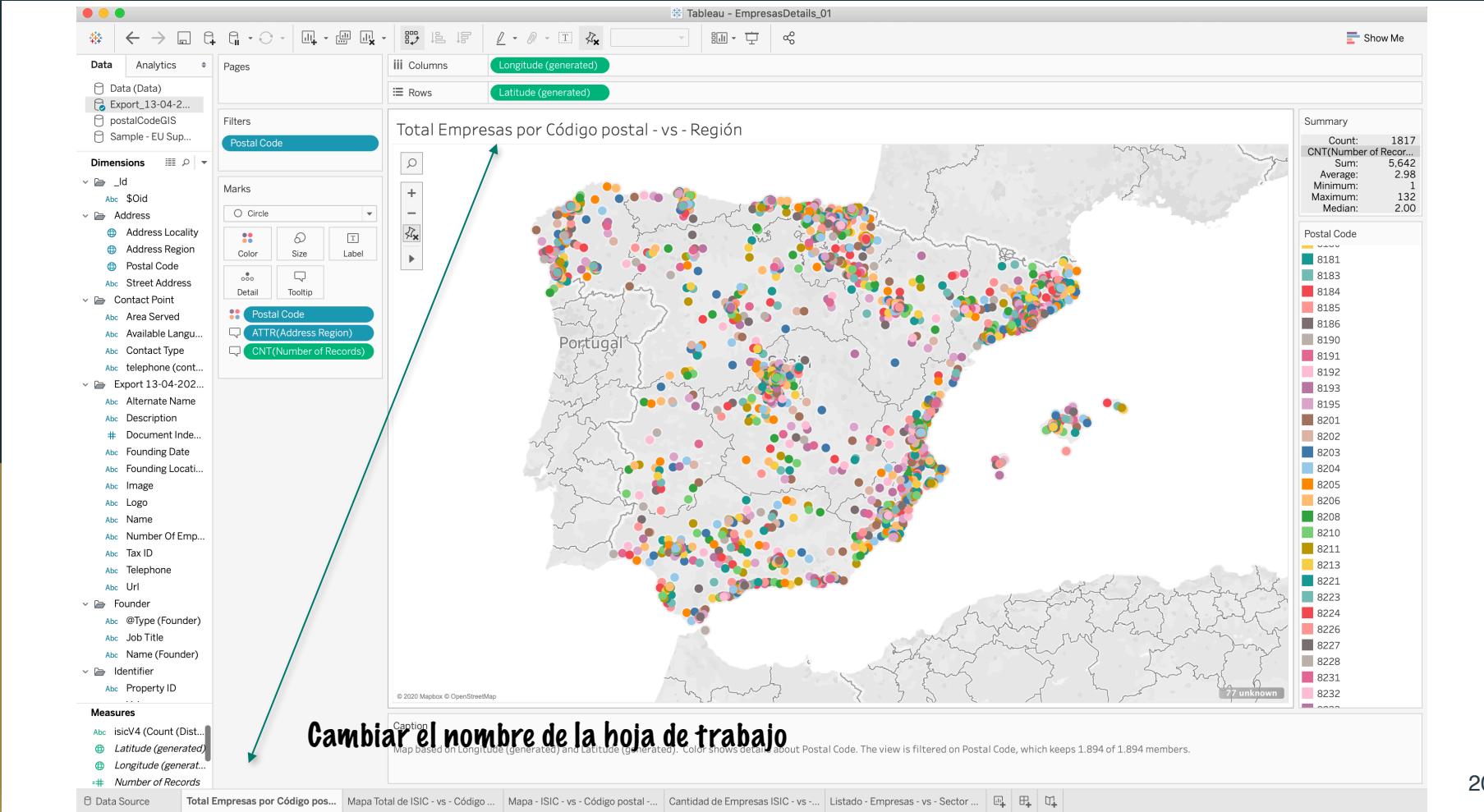
# Cambiar el País

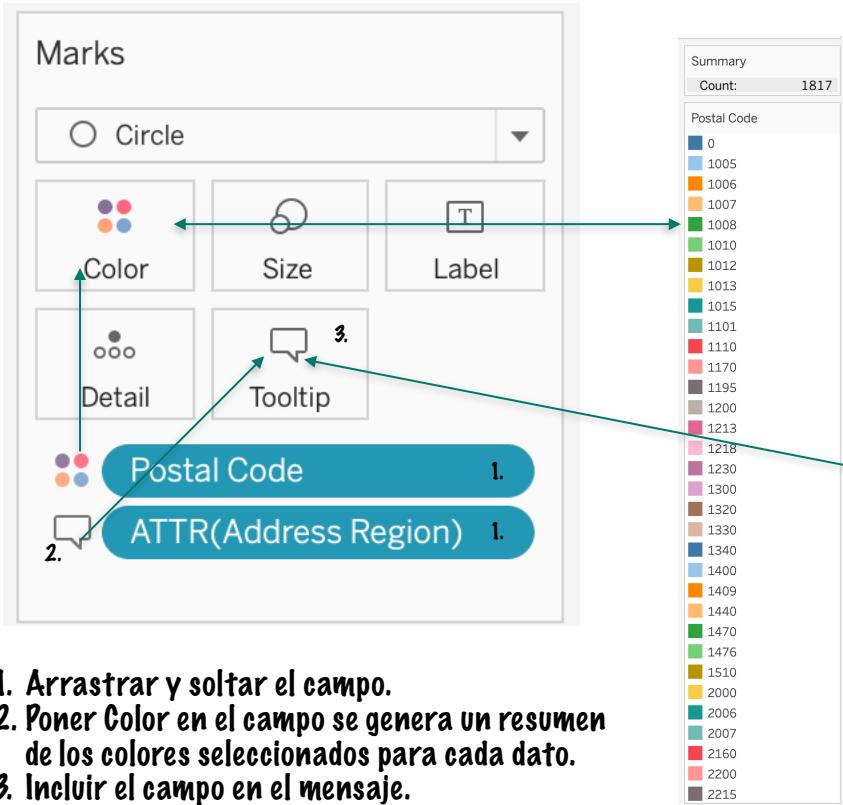


Doble click y seleccionar Edit Locations...

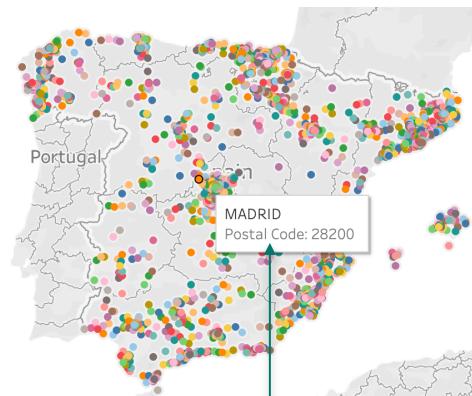
Cambiar el nombre en el campo Country/Region

# Total Empresas por Código postal - vs - Región



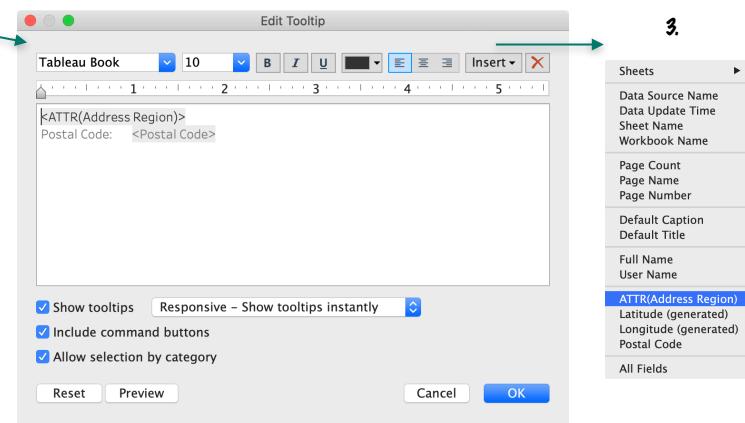


1. Arrastrar y soltar el campo.
2. Poner Color en el campo se genera un resumen de los colores seleccionados para cada dato.
3. Incluir el campo en el mensaje.



2.

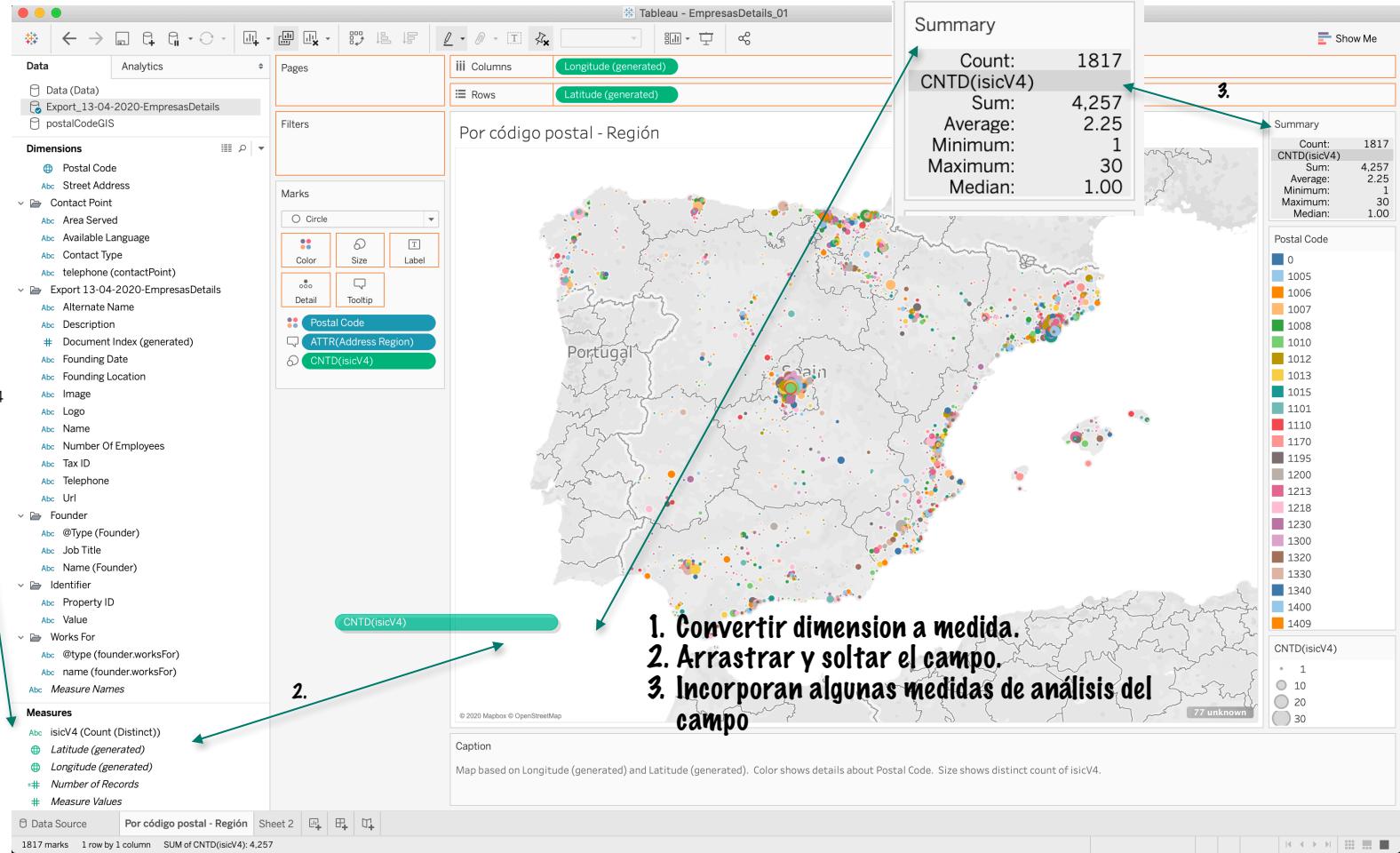
### Adicionar Atributos en el mensaje



3.

Sheets
Data Source Name
Data Update Time
Sheet Name
Workbook Name
Page Count
Page Name
Page Number
Default Caption
Default Title
Full Name
User Name
ATTR(Address Region)
Latitude (generated)
Longitude (generated)
Postal Code
All Fields

# Mapa Total de ISIC - vs - Código postal - vs - Región



# Mapa Total de ISIC - vs - Código postal - vs - Región

**Tableau - EmpresasDetails\_01**

Tableau Book

5.

KATTR(Address Region)>  
Postal Code: <Postal Code>  
ISIndustrial Clasification: <CNTD(isicV4)>

Show tooltips   Responsive - Show tooltips instantly   Include command buttons   Allow selection by category

Reset   Preview   Cancel   OK

Summary

Count	1817
CNTD(isicV4)	1817
Sum	4,257
Average	2.25
Minimum	1
Maximum	30
Median	1.00

Postal Code

- 0
- 1005
- 1006
- 1007
- 1008
- 1010
- 1012
- 1013
- 1015
- 1101
- 1110
- 1170
- 1195
- 1200
- 1213
- 1218
- 1230
- 1300
- 1320
- 1330
- 1340
- 1400
- 1409

CNTD(isicV4)

4. Editar el tamaño dependiendo de la cantidad  
5. Actualizar el mensaje.

4.

Edit sizes...   Format Legends...   ✓ Show Title   Edit Title...   × Hide Card

Sample legend:

Sizes vary:

By range

Mark size range:

Smallest   Reversed   Start value for range   End value for range

Largest

1   10   20   30

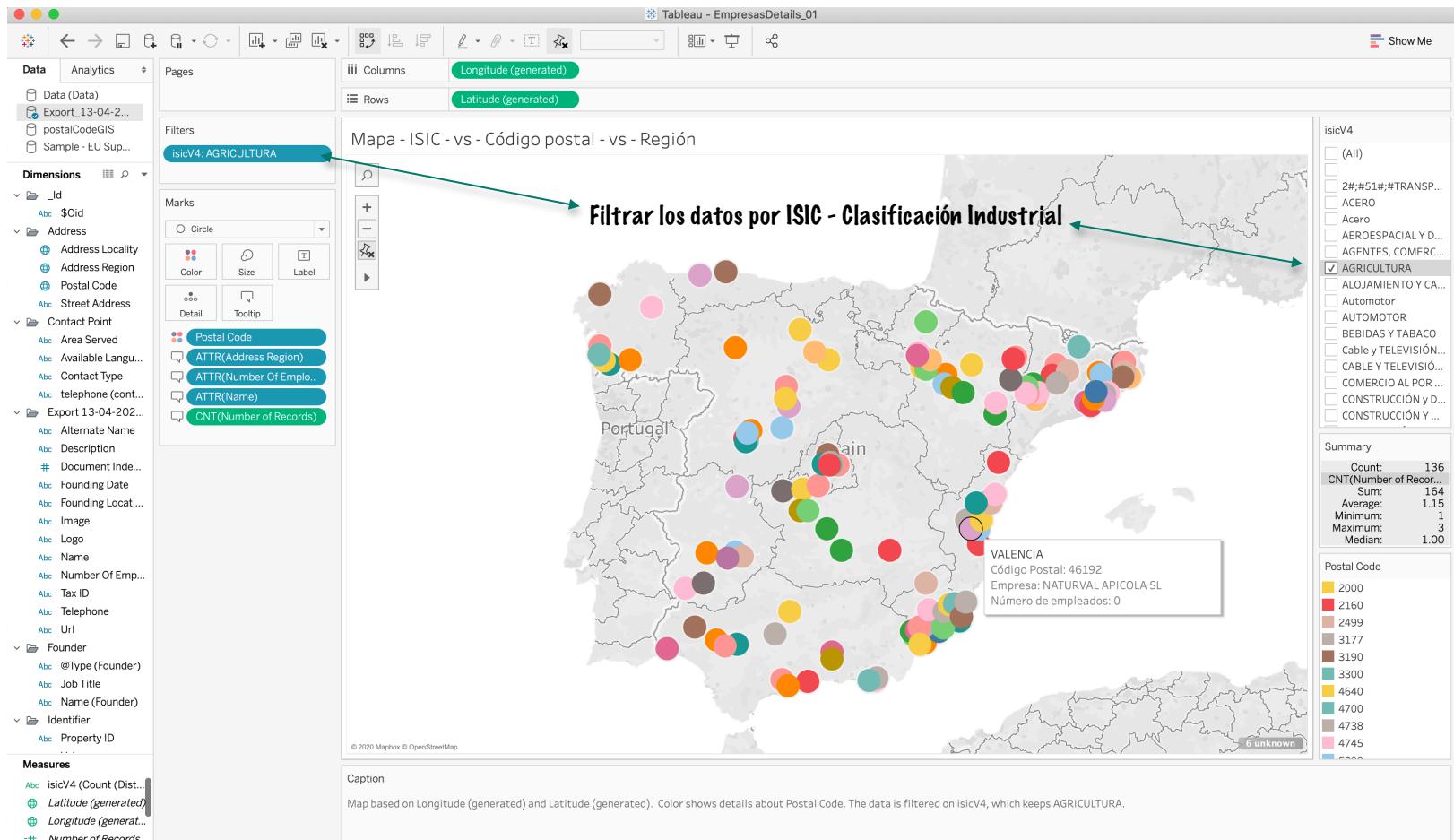
Reset   Apply   Cancel   OK

Data Source   Por código postal - Región   Sheet 2

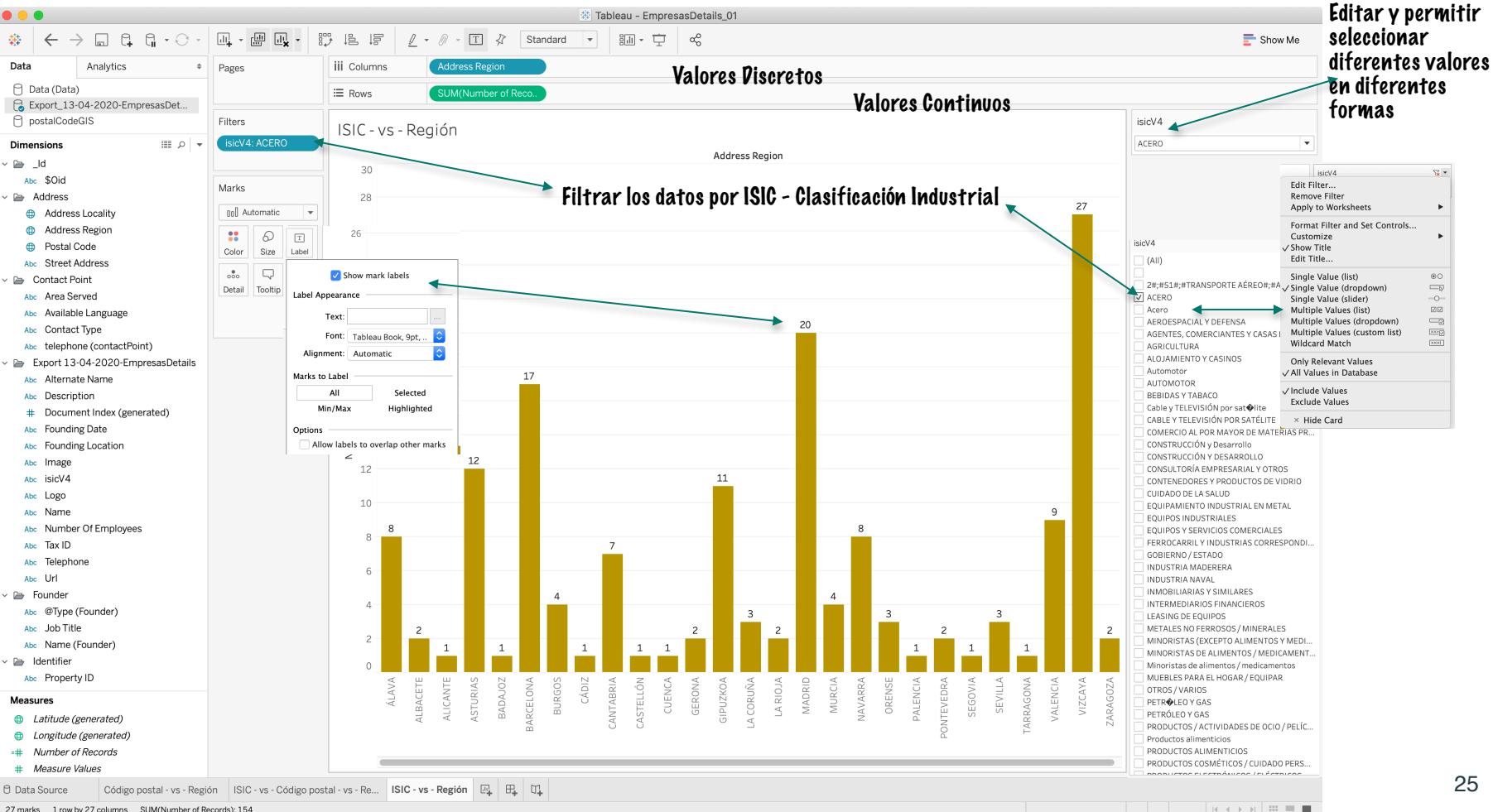
1817 marks   1 row by 1 column   SUM of CNTD(isicV4): 4,257

23

# Mapa ISIC - vs - Código postal - vs - Región



# Cantidad de Empresas ISIC - vs - Región



## Cantidad de Empresas de por ISIC - vs - Región

Data Analytics

Pages

Filters

isicV4

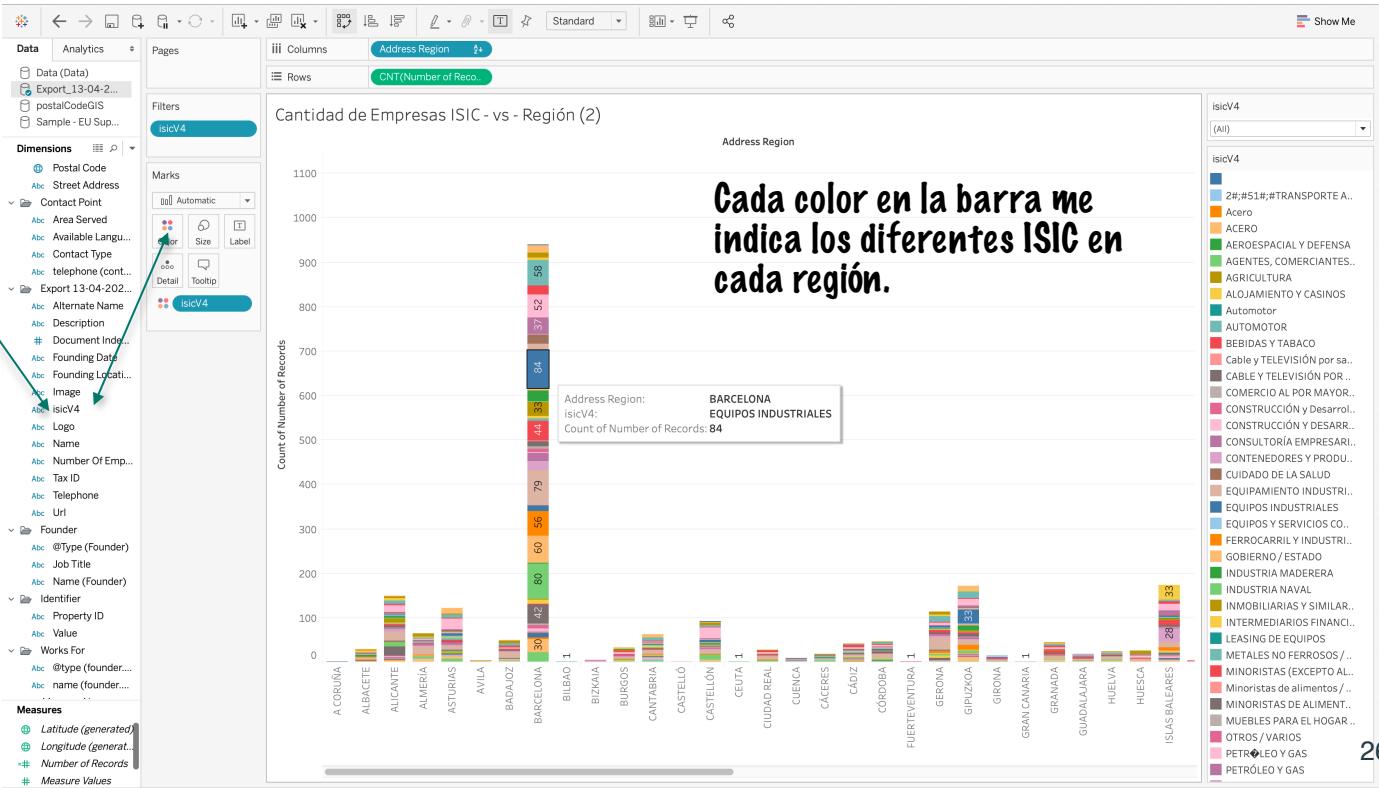
Dimensions

- Postal Code
- Street Address
- Contact Point
  - Area Served
  - Available Langu...
  - Contact Type
  - telephone (cont...)
- Export 13-04-202...
- Alternate Name
- Description
- Document Inde...
- Founding Date
- Founding Locati...
- Image
- isicV4

Marks

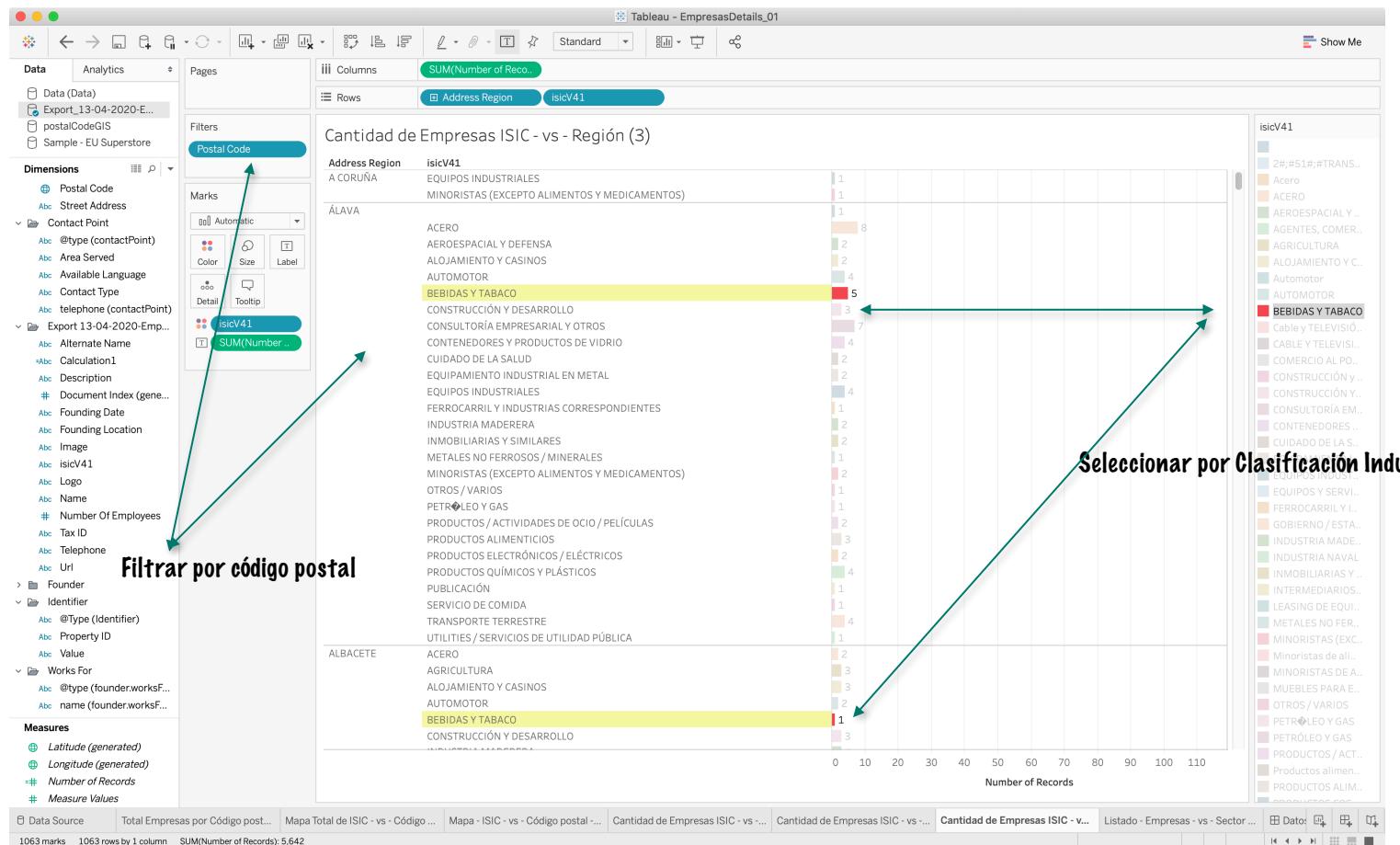
- Automatic
- Size
- Label
- Detail
- Tooltip

## Arrastre y Suelte una dimensión a Marks

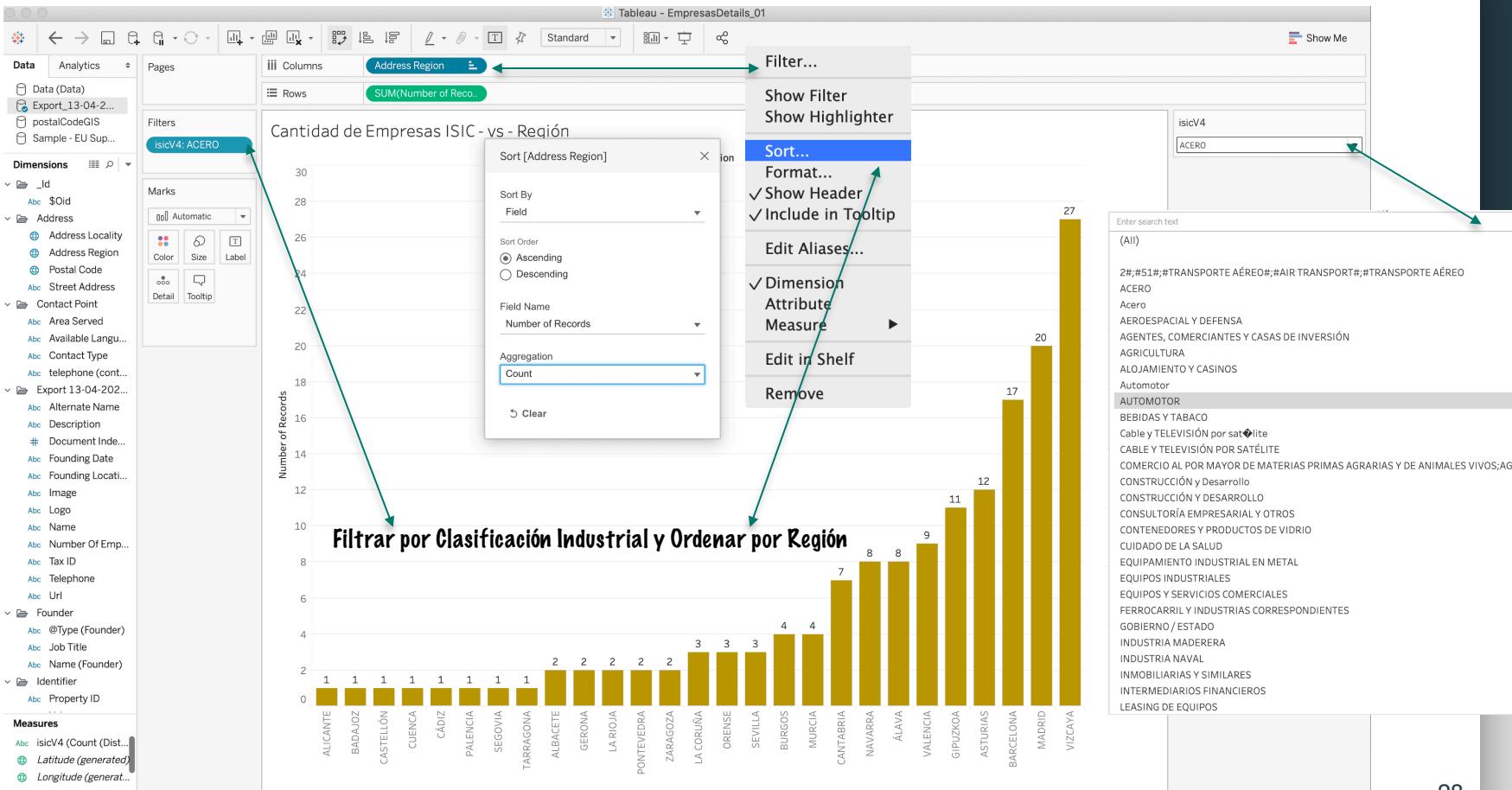


Cada color en la barra me indica los diferentes ISIC en cada región.

# Empresas de por ISIC - vs - Región



# Cantidad de Empresas de un ISIC - vs - Región



# Listado - Empresas - vs - Sector - Región

Tableau - EmpresasDetails\_01

Show Me

Data Analytics

Pages

Address Region Name Number Of Employees Url Telephone

Filters isicV4: ACERO

Marks Automatic Color Size Text Detail Tooltip

**Listado - Empresas - vs - Sector - Región**

Address Region	Name	Number Of Employees	Url	Telephone	
ÁLAVA	ARATUBO SA	181	http://www.aratubo.com	+34945290659	
	CASTMETAL VITORIA	186	http://www.castmetalvitoria.com	+34945290000	
	ESTAMPACIONES RUBI SA	157	http://www.estampaciones-rubi.com	+34945260400	
	MUGAFIL SA	24	http://www.mugafil.com	+34944161622	
	TUBACEX SERVICE SOLUTIONS SA	25	http://www.tubacex.es	+34945393600	
	TUBACEX TUBOS INOXIDABLES SA	642	http://www.tubacex.com	+34946719300	
	TUBOS MECANICOS NORTE SA	53	http://tubosmechanicos.es	+34945399833	
ALBACETE	TUBOS REUNIDOS INDUSTRIAL SL	747	http://www.tubosreunidos.com	+34945897100	
	PARCISA SA	207	http://www.parcisa.com	+34967141533	
	PARCITANK SA	199	http://www.parcitank.com	+34967140855	
	ALICANTE	DEFORMAC SL	0	http://	+34
		ACEROS AVILES SA	39	http://www.grupohmf.com	+34985563804
		ARCELORMITTAL CASISA SA	21	http://	+34932230362
		ARCELORMITTAL DISTRIBUCION SL	135	http://ds.arcelormittal.com	+34985260400
ASTURIAS		ARCELORMITTAL ESPAÑA SA	6.716	http://spain.arcelormittal.com	+34985187000
		ARCELORMITTAL INNOVACION INVESTIGACION E INVERSION SL	154	http://	+34985126621
		FUNDICIONES Y SERVICIOS SA	41	http://www.fundyser.com	+34985136664
	HIERROS Y APLANACIONES SA	264	http://www.hiasa.com	+34985050361	
	NORTESA DE COMERCIALIZACION SIDERURGICA SA	14	http://www.norsider.es	+349850303730	
	OTM SISTEMAS CONSTRUCTIVOS SL	0	http://www.canalon.es	+34985980755	
	SERVICIOS COMERCIALES METALURGICOS SERCOMET SL	4	http://www.sercomet.es	+34985319000	
BADAJEZ	VEROT SA	50	http://www.verot.com	+34985514906	
	AG SIDERURGICA BALBOA SA	541	http://www.grupoag.es	+34924759010	
	BARCELONA	ACEROS PARA LA CONSTRUCCION SA	143	http://www.gcampesa.com	+34937730485
		ALACER MAS SL	119	http://www.alacermas.com	+34938814770
		BARCELONESA DE METALES SA	41	http://www.bamesa.com	+34933700500
		CATALANA DE SIDERURGICOS ESPECIALES SA	9	http://www.casider.com	+34934882626
		COMERCIAL DE LA FORJA SA	0	http://www.comforsta.com	+34932417272
ESTAMPACIONES FOGA SA		ESTAMPACIONES FOGA SA	17	http://www.estampacionesfoga.com	+34936850120
		FERULES I VALVULES SL	18	http://	+34938505473
	GINDRE TORNOS SL	0	http://www.gindretorns.com	+34935889542	
	GONVAUTO SA	138	http://	+34913791900	
	GUAL STEEL SL	8	http://www.gualstainless.com	+34938023805	
	GUTSER SA	87	http://www.gutser.com	+34936532357	
	METALES CASINO SL	16	http://www.metalescasino.com	+34935806481	
SEBASTIOLLORENS SL	SEBASTIOLLORENS SL	89	http://www.llorensgmr.com	+34938704253	
	TECNICAS DE DEFORMACION METALICA SL	6	http://	+34937184073	

isicV4

- (All)
- 2;#;#TRANSP...
- ACERO
- Acero
- AEROSPACE Y D...
- AGENTES, COMERC...
- AGRICULTURA
- ALOJAMIENTO Y CA...
- Automotor
- AUTOMOTOR
- BEBIDAS Y TABACO
- Cable y TELEVISIÓN...
- CABLE Y TELEVISIÓN...
- COMERCIO AL POR...
- CONSTRUCCIÓN Y D...
- CONSTRUCCIÓN Y...
- CONSULTORÍA EMP...
- CONTENEDORES Y...
- CUIDADO DE LA SAL...
- EQUIPAMIENTO IN...
- EQUIPOS INDUSTRI...
- EQUIPOS Y SERVICI...
- FERROCARRIL Y IN...
- GOBIERNO / ESTADO
- INDUSTRIA MADER...
- INDUSTRIA NAVAL
- INMOBILIARIAS Y S...
- INTERMEDIARIOS F...
- LEASING DE EQUIP...
- METALES NO FERR...
- MINORISTAS (EXCE...
- MINORISTAS DE AL...
- Minoristas de alim...
- MUEBLES PARA EL ...
- OTROS / VARIOS
- PETRÓLEO Y GAS
- PETRÓLEO Y GAS
- PRODUCTOS / ACTI...
- Productos alimenti...
- PRODUCTOS ALIME...
- PRODUCTOS COSM...
- PRODUCTOS ECU...

**Filtrar los datos por ISIC Clasificación Industrial**

# Listado - Empresas - vs - Sector - Región

Tableau - EmpresasDetails\_01

Show Me

**Data Analytics**

- Data (Data)
- Export\_13-04-2...
- postalCodeGIS
- Sample - EU Sup...

**Dimensions**

- \_id
- \$Oid
- Address
- Address Locality
- Address Region
- Postal Code
- Street Address
- Contact Point
- Area Served
- Available Langu...
- Contact Type
- Telephone (cont...
- Export 13-04-202...
- Alternate Name
- Description
- Document Inde...
- Founding Date
- Founding Locati...
- Image
- isicV4
- Logo
- Name
- Number Of Emp...
- Tax ID
- Telephone
- Url
- Founder
- Type (Founder)
- Job Title
- Name (Founder)
- Identifier

**Measures**

- Latitude (generated)
- Longitude (generat...
- Number of Records
- Measure Values

**Pages**

**Columns**

**Rows**

Address Region, Name, Number Of Employees, Url, Telephone

**Listado - Empresas - vs - Sector - Región**

**Permite ordenar el campo**

**Cambiar el tipo a Numérico**

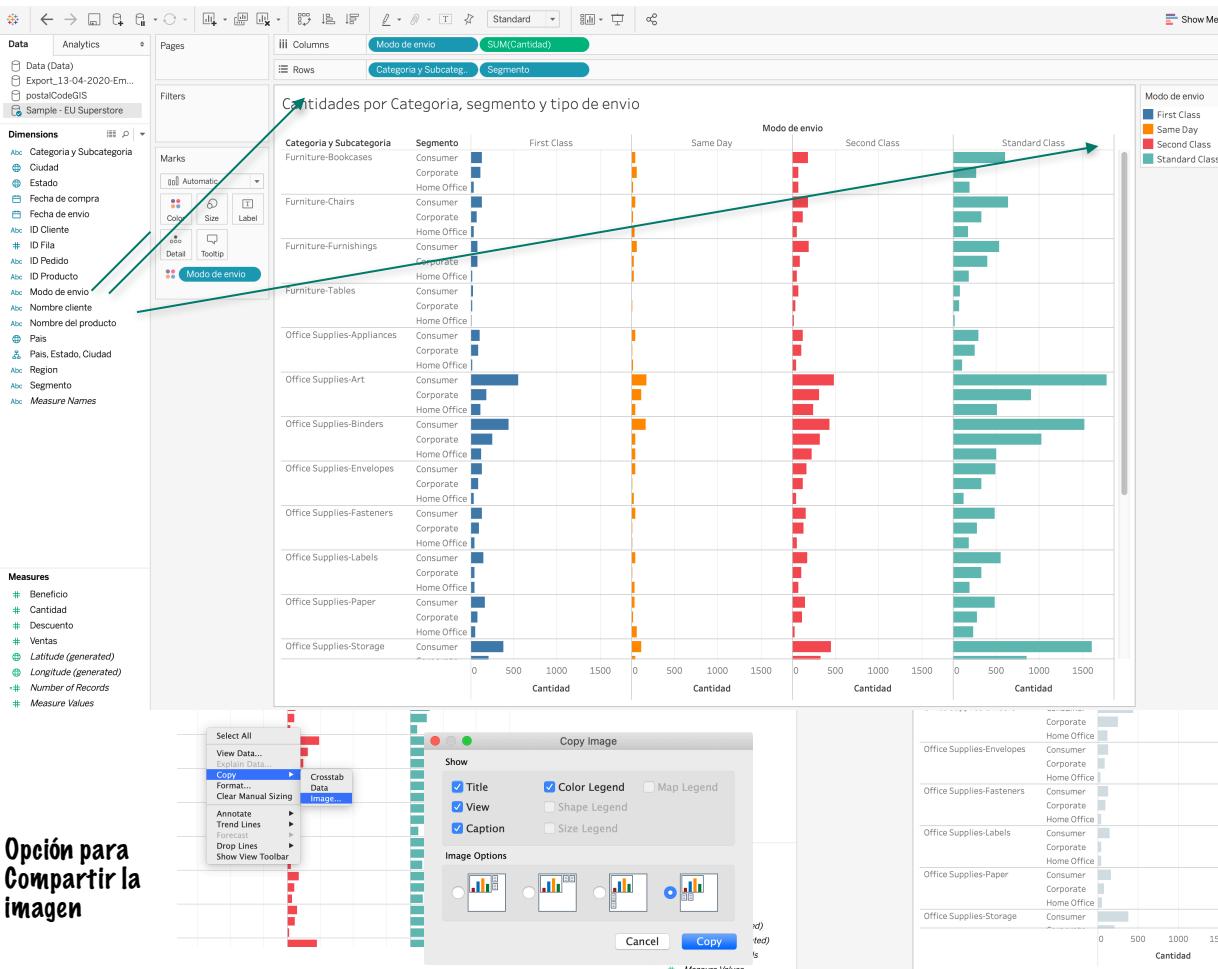
# Number Of E...

Address Region	Name	Number Of Employees	Url	Telephone
ALAVA	TUBOS REUNIDOS INDUSTRIAL SL	747	http://www.tubosreunidos.com	+34945897100
	TUBACEX TUBOS INOXIDABLES SA	642	http://www.tubacex.com	+34946719300
	CASTMETAL VITORIA SL	186	http://	+34945290000
	ARATUBO SA	181	http://www.aratubo.com	+34945290659
	ESTAMPACIONES RUBI SA	157	http://www.estampaciones-rubi.com	+34945260400
	TUBOS MECANICOS NORTE SA	53	http://tubosmechanicos.es	+34945398833
	TUBACEX SERVICE SOLUTIONS SA	25	http://www.trouwnutrition.es	+34945393600
	MUGAFIL SA	24	http://www.mugafil.com	+34944161622
LABACETE	PARCISA SA	207	http://www.parcisa.com	+34967141533
	PARCITANK SA	199	http://www.parcitank.com	+34967140855
LICANTE	DEFORMAC SL	0	http://	+34
ISTURIAS	HIERROS Y APLANACIONES SA	264	http://www.hiasa.com	+34985505361
	ARCELORMITTAL INNOVACION INVESTIGACION E INVERSION SL	154	http://	+34985126621
	ARCELORMITTAL DISTRIBUCION SL	135	http://ds.arcelormittal.com	+34985260400
	VEROT SA	50	http://www.verot.com	+34985514906
	FUNDICIONES Y SERVICIOS SA	41	http://www.fundyser.com	+34985136664
	ACEROS AVILES SA	39	http://www.grupohfm.com	+34985563804
	ARCELORMITTAL FACICA CA	21	http://	+34932230362
		14	http://www.norsider.es	+34985303730
		6	http://spain.arcelormittal.com	+34985187000
		4	http://www.sercomet.es	+34985319000
		0	http://www.canalon.es	+34985980755
VIZCAYA	AG SIDERURGICA BALBOA SA	541	http://www.grupoag.es	+34924759010
VALLADOLID	ACEROS PARA LA CONSTRUCCION SA	143	http://www.gcampesa.com	+34937730485
VALLADOLID	GONVAUTO SA	138	http://	+34913791900
VALLADOLID	ALACER MAS SL	119	http://www.alacermas.com	+34938814770
VALLADOLID	VILARDELL PURTI SA	95	http://www.vilardellpurti.net	+34938272720
VALLADOLID	SEBASTIOLLORENS SL	89	http://www.llorensgmr.com	+34938704253
VALLADOLID	GUTSER SA	87	http://www.gutser.com	+34936532357
VALLADOLID	XAVIER BISBAL SL	74	http://	+34935155959
VALLADOLID	BARCELONESA DE METALES SA	41	http://www.bamesa.com	+34933700500
VALLADOLID	FERULES I VALVULES SL	18	http://	+34938505473
VALLADOLID	ESTAMPACIONES FOGA SA	17	http://www.estampacionesfoga.com	+34936850120
VALLADOLID	METALES CASINO SL	16	http://www.metalescasino.com	+34935806481
VALLADOLID	CATALANA DE SIDERURGICOS ESPECIALES SA	9	http://www.casider.com	+34934882626
VALLADOLID	GUAL STEEL SL	8	http://www.gualstainless.com	+34938203805
VALLADOLID	TECNICAS DE DEFORMACION METALICA SL	6	http://	+34937184073

IsicV4

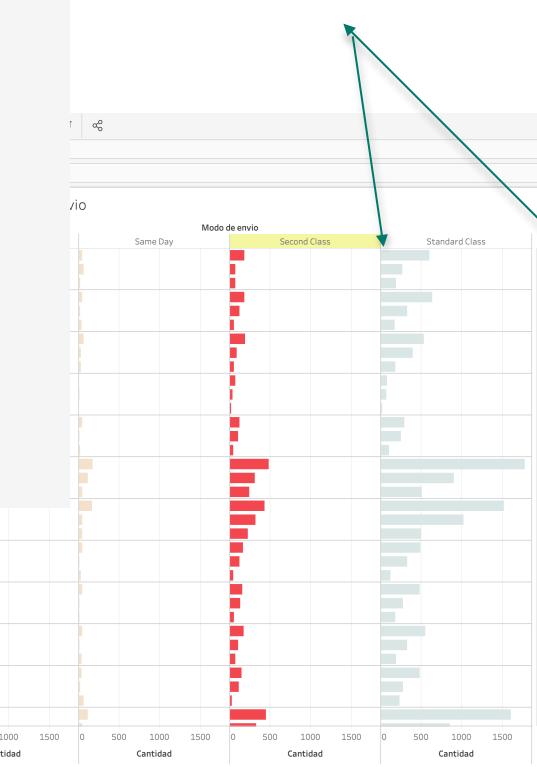
- (All)
- 2#;#TRANS...
- ACERO**
- Aero
- AEROESPACIAL Y D...
- AGENTES, COMERC...
- AGRICULTURA
- ALOJAMIENTO Y CA...
- Automotor
- AUTOMOTOR
- BEBIDAS Y TABACO
- Cable y TELEVISIÓN...
- CABLE Y TELEVISIÓN...
- COMERCIO AL POR...
- CONSTRUCCIÓN Y D...
- CONSTRUCCIÓN Y ...
- CONSULTORÍA EMP...
- CONTENEDORES Y ...
- CUIDADO DE LA SAL...
- EQUIPAMIENTO IN...
- EQUIPOS INDUSTRI...
- EQUIPOS Y SERVICI...
- FERRACCARI Y IN...
- GOBIERNO / ESTADO
- INDUSTRIA MADER...
- INDUSTRIA NAVAL
- INMOBILIARIAS Y S...
- INTERMEDIARIOS P...
- LEASING DE EQUIP...
- METALES NO FERR...
- MINORISTAS (EXCE...
- MINORISTAS DE AL...
- Minoristas de alim...
- MUEBLES PARA EL ...
- OTROS / VARIOS
- PETRÓLEO Y GAS
- PETRÓLEO Y GAS
- PRODUCTOS / ACTI...
- Productos alimenti...
- PRODUCTOS ALIME...
- PRODUCTOS COSMI...
- PRODUCTOS ELECT...

# Cantidades - vs - Categoría - y Tipo de Envío



Filtro automático

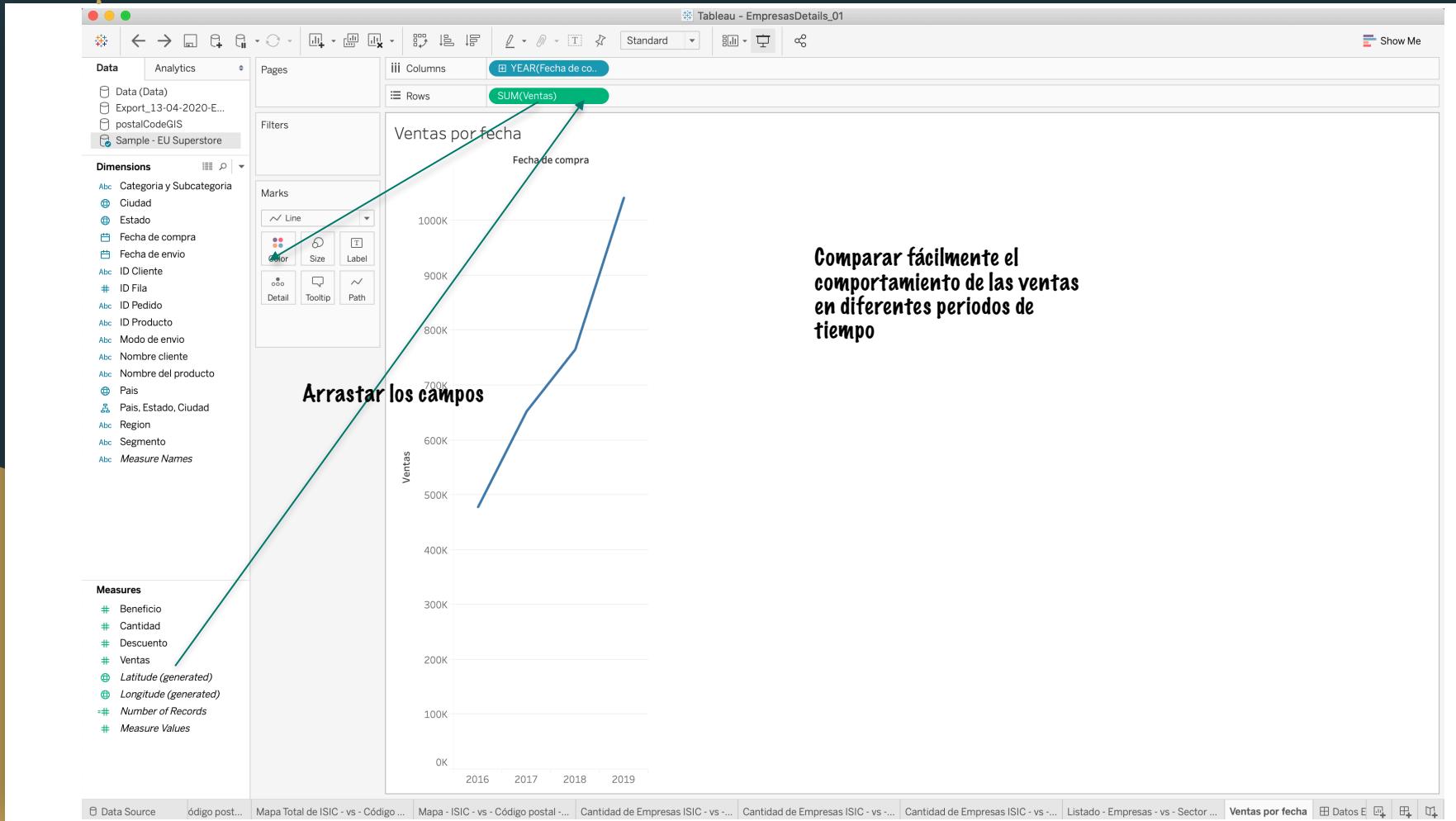
Se “resalta” al seleccionarlo



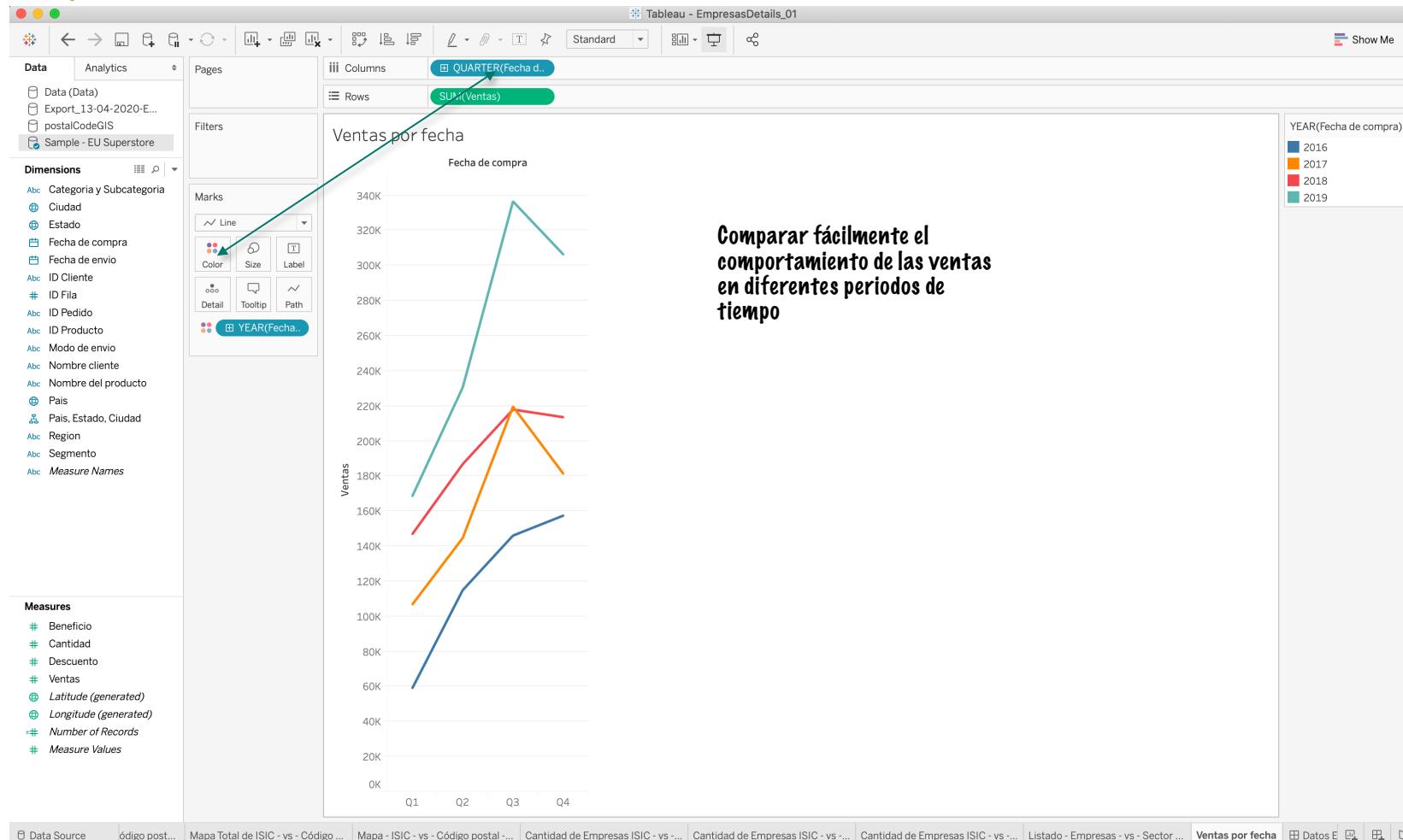
Opción para Compartir la Imagen



# Ventas por fechas



# Ventas por fechas



## Ventas por fechas

**Pulsar en el signo (+)**

Automáticamente ordena los datos por fecha y muestra la evolución de las ventas

Por Cuatrimestre en cada año

Por año

**Por mes en cada año**

seleccionado por tableau

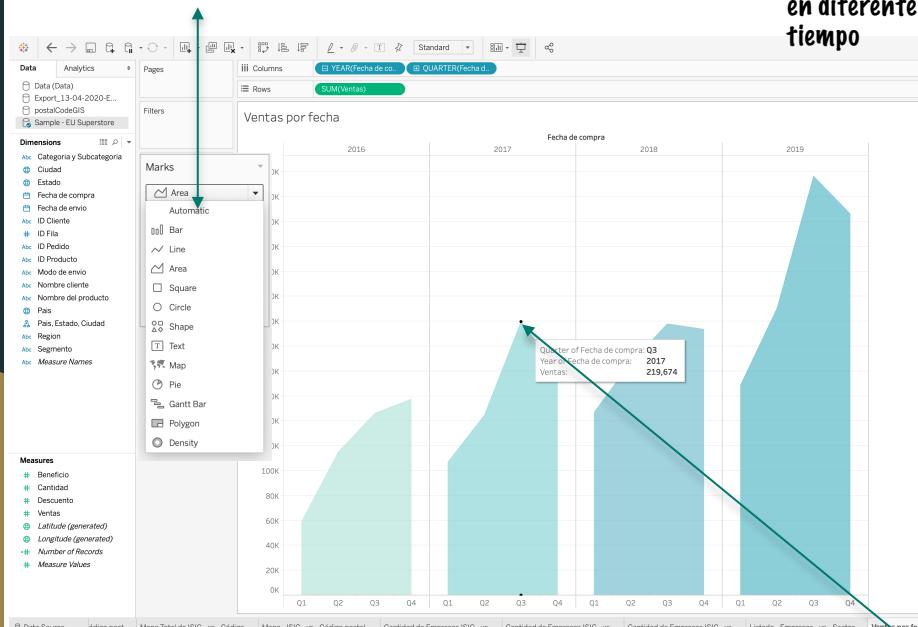
**Pulsar en el signo (+)**

# Ventas por fechas

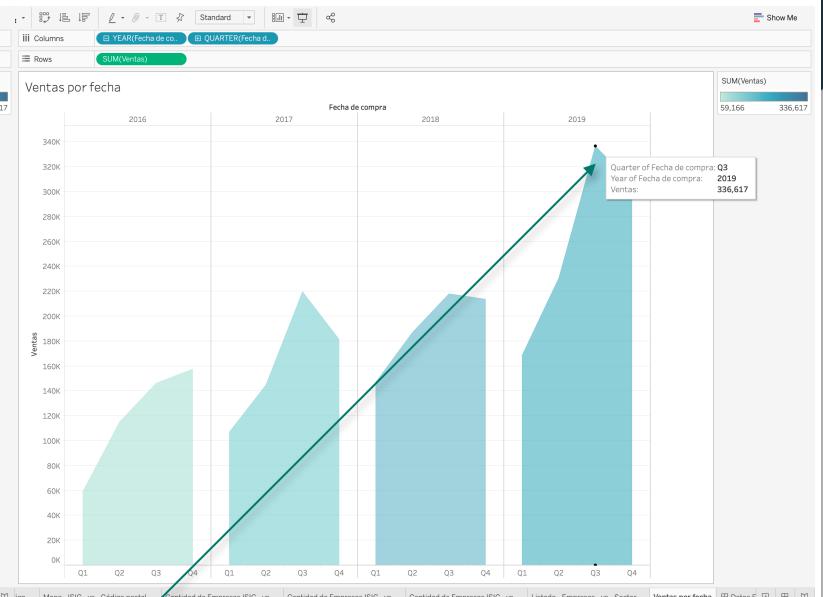


# Ventas por fechas

Cambiar el gráfico seleccionado automáticamente por tableau



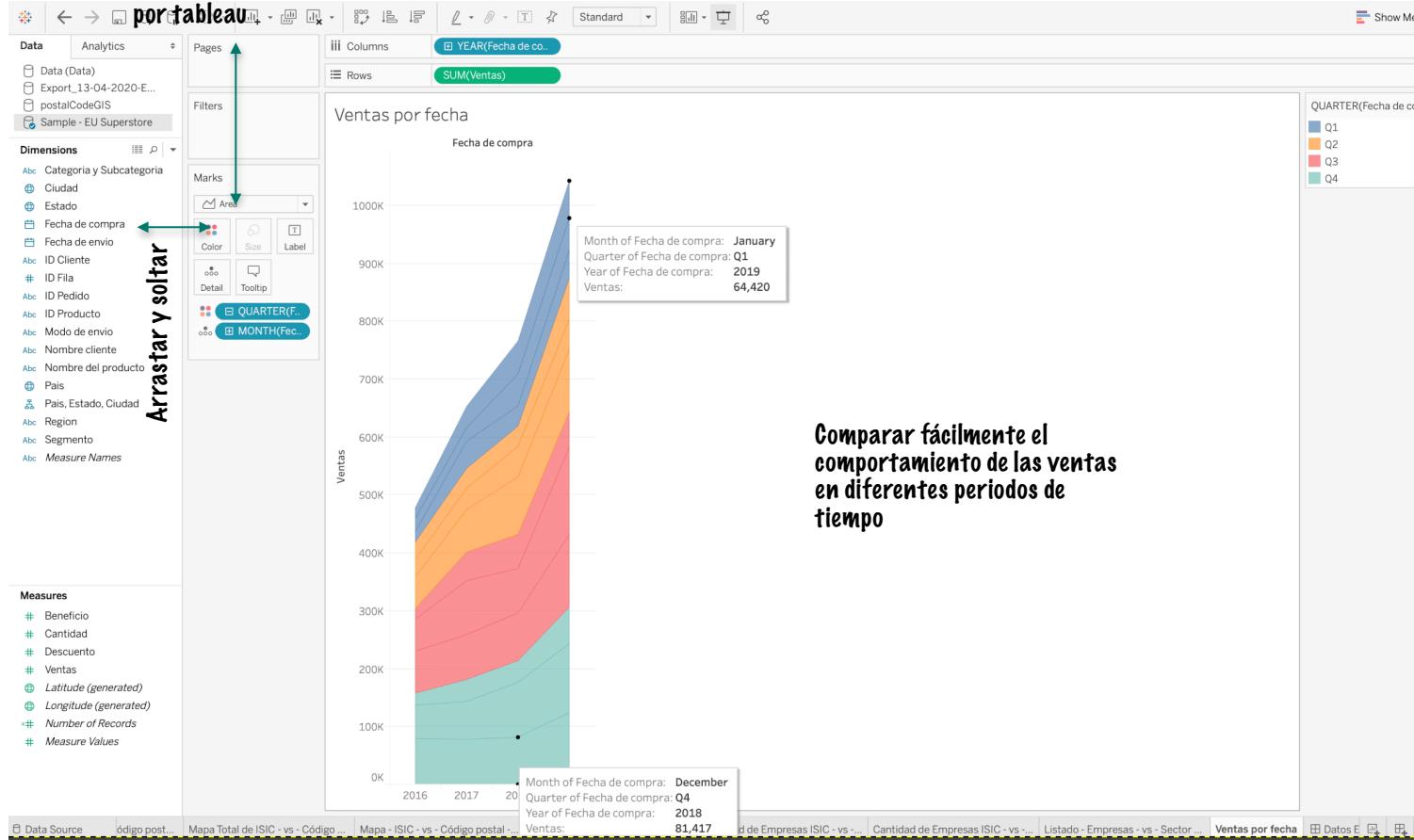
Comparar fácilmente el comportamiento de las ventas en diferentes períodos de tiempo



El mismo trimestre en diferentes años

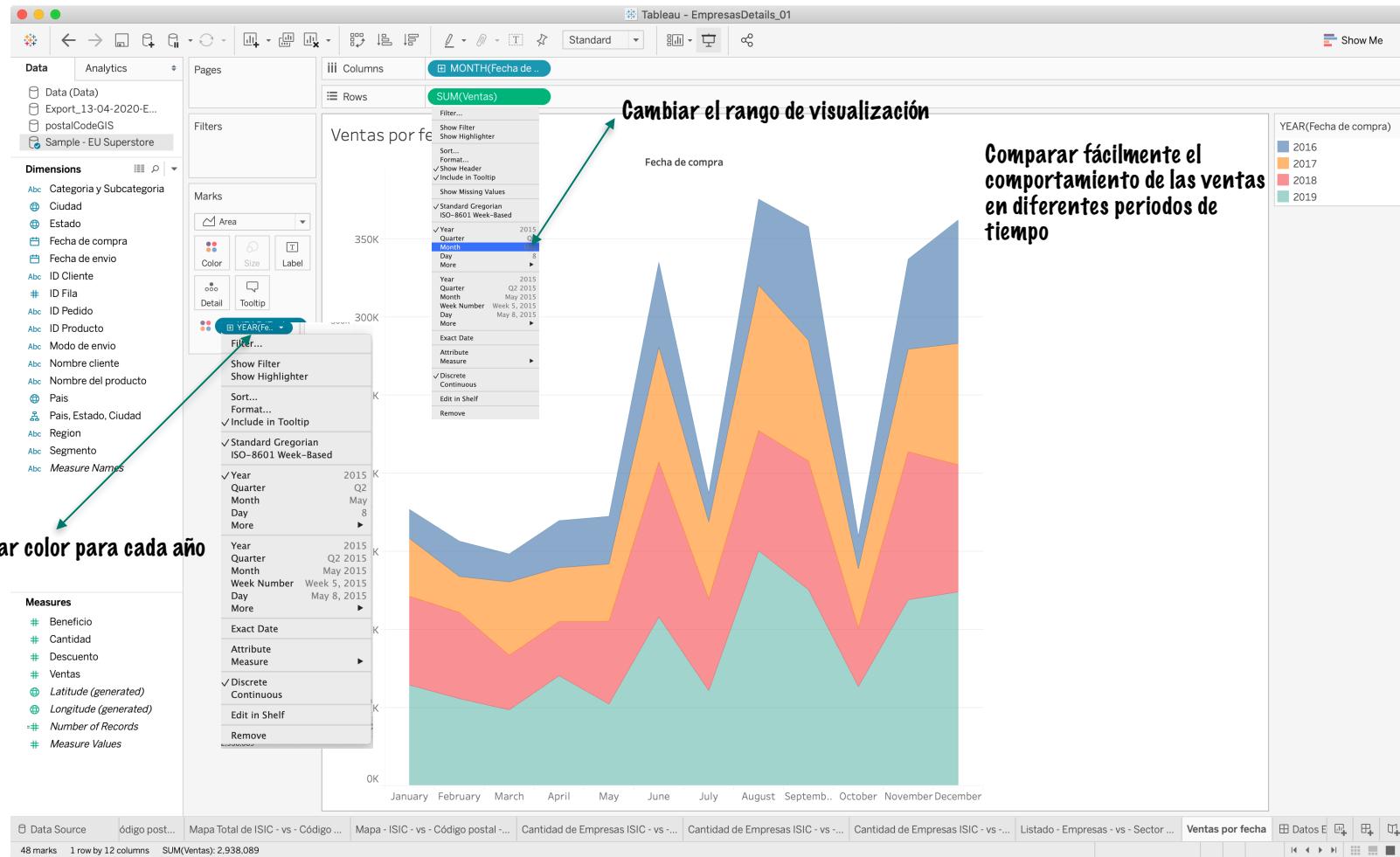
# Ventas por fechas

Cambiar el gráfico  
seleccionado automáticamente  
por tableau



Comparar fácilmente el  
comportamiento de las ventas  
en diferentes períodos de  
tiempo

# Ventas por fechas



# Ventas por fechas

Tableau - EmpresasDetails\_01

Standard Show Me

Data Analytics Data (Data) Export\_13-04-2020-E... postalCodeGIS Sample - EU Superstore

Dimensions

- Categoría y Subcategoría
- Ciudad
- Estado
- Fecha de compra
- Fecha de envío
- ID Cliente
- ID Fila
- ID Pedido
- ID Producto
- Modo de envío
- Nombre cliente
- Nombre del producto
- País
- País, Estado, Ciudad
- Región
- Segmento
- Measure Names

Measures

- Beneficio
- Cantidad
- Descuento
- Ventas
- Latitude (generated)
- Longitude (generated)
- Number of Records
- Measure Values

Pages

Columns MONTH(Fecha de ...

Rows SUM(Ventas)

Filters

Marks Area

Color Size Label

Detail Tooltip

YEAR(Fecha de compra)

2016 2017 2018 2019

Ventas por fechas

Realizar cálculos rápidamente

Fecha de compra

350K  
300K  
250K  
200K  
150K  
100K  
0K

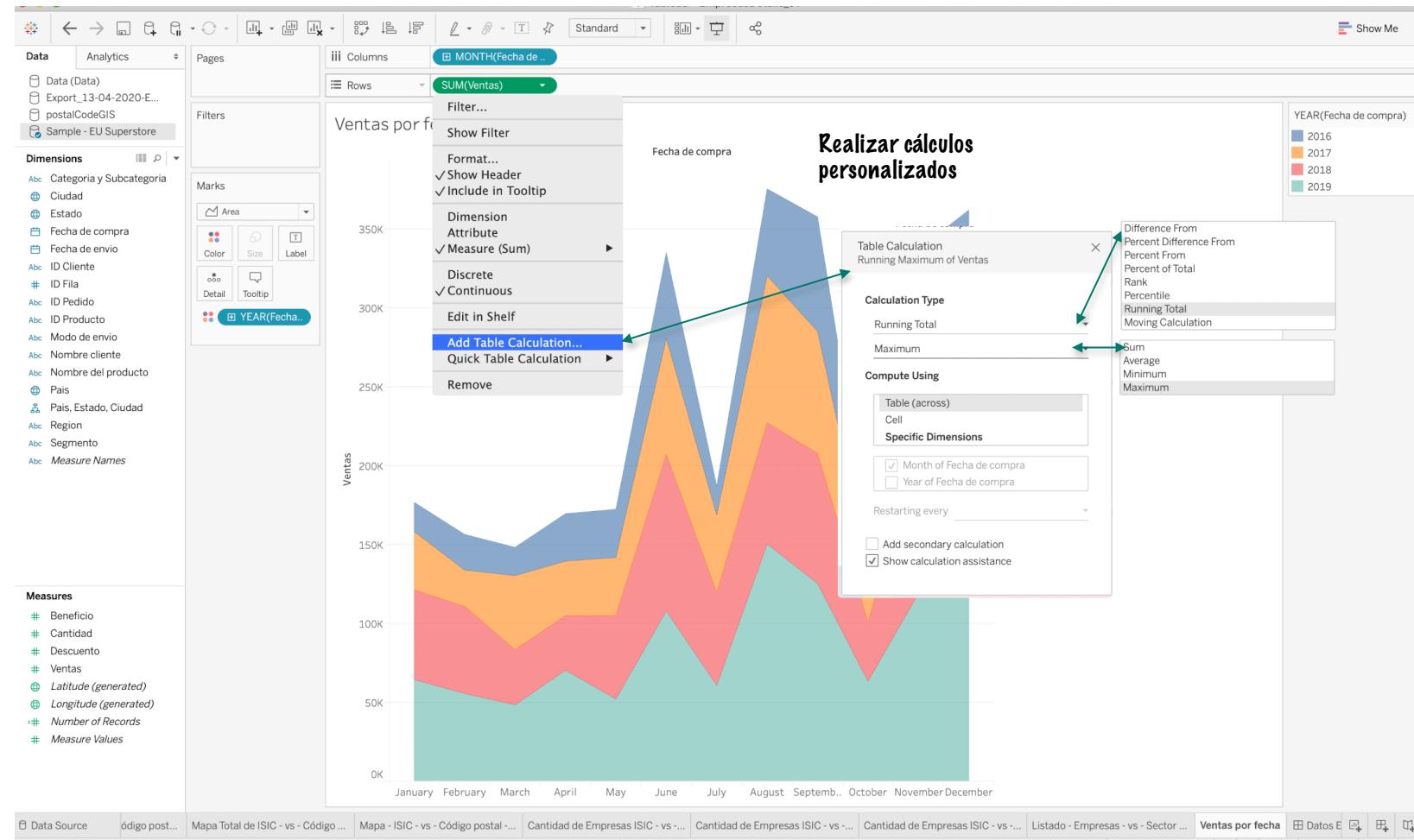
January February March April May June July August September October November December

Running Total  
Difference  
Percent Difference  
Percent of Total  
Rank  
Percentile  
Moving Average  
YTD Total  
Compound Growth Rate  
Year Over Year Growth  
YTD Growth

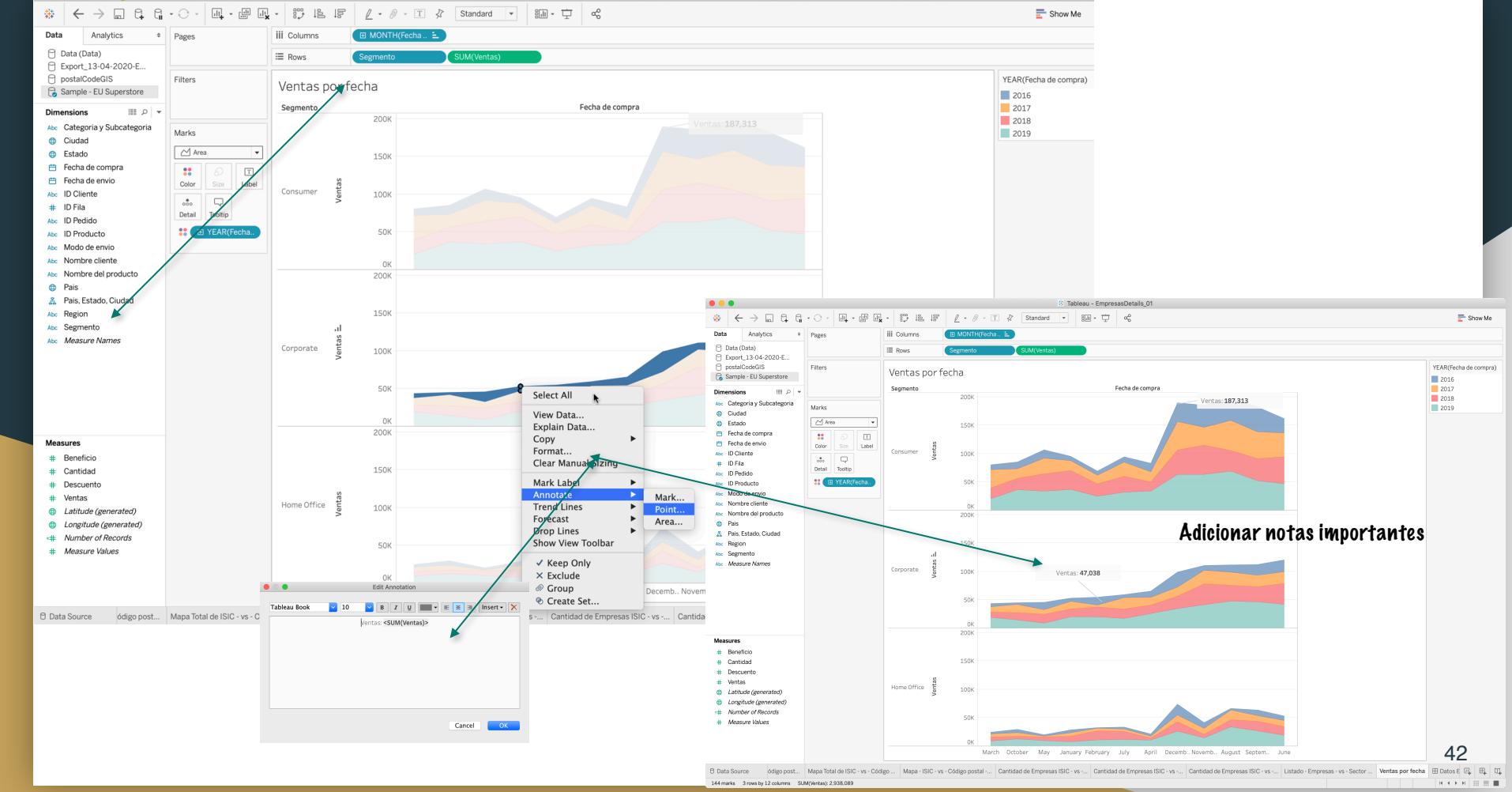
48 marks 1 row by 12 columns SUM(Ventas): 2,938,089

40

# Ventas por fechas



# Ventas por fechas









# DashBoard interactivo - Seleccionar ISIC ó Región y se localiza en el Mapa

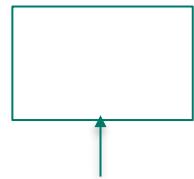
Listado - Empresas - vs - Sector - Región

Address Re..	isicV41	Postal..	Name	Number Of
ÁLAVA	ACERO	1470	TUBACEX SERVICE SOLUTIONS SA	25
		1476	TUBOS REUNIDOS INDUSTRIAL SL	747
	AEROSPACE Y DEFENSA	1510	AERNNOVA AEROSPACE SA	53
			AERNNOVA AIRCRAFT SERVICES SA	89
	ALOJAMIENTO Y CASINOS	1008	EXPLOTACIONES SUBIJANA DE ÁLAVA SA	79
	AUTOMOTOR	1010	ASIENTOS DEL NORTE SL	48
		1013	AUTO ELECTRICIDAD ONDO SA	0
		1015	AURIA SOLUTIONS VITORIA SL	26
		1170	COMPONENTES DE AUTOMOCION RECYTEC SL	106
	BEBIDAS Y TABACO	1013	CENTRO-MEDITERRANEA DE BEBIDAS CARBONICAS PEPSICO SL	62
			PEPSICO FOODS AIE	70
		1300	BODEGAS CAMPILLO SL	1
		1330	COMERCIALIZADORA LA RIOJA ALTA SL	14
	CONSTRUCCIÓN Y DESARROLLO	1340	BODEGAS MURIEL SL	0
		1015	CONSTRUCCIONES URRUTIA SA	57
		1110	TARIMAS Y PARQUETS GAMIZ SA	29
		1400	IZA ASCENSORES SL	0
	CONSULTORÍA EMPRESARIAL Y OTROS	1007	INVERSIONES Y SERVICIOS INTEGRALES DE AUTOMOCION SL	61
		1008	XENTIA CUSTOMER SERVICES SL	48
				66

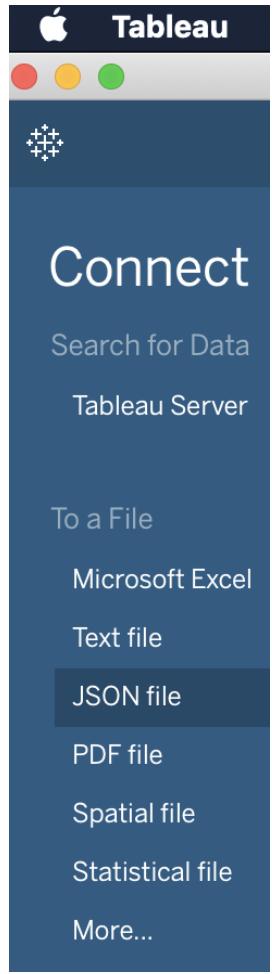
Datos Empresas

Total Empresas por Código postal - vs - Región





**Click y abrir la hoja de trabajo**



Después de descargar la versión Desktop y actualizar la key si es el caso...vamos a importar el fichero JSON que vamos a tratar

Export\_13-04-2020-EmpresasDetails

Export\_13-04-2020-Empresas...

Select Schema Levels

The schema levels you select determine which dimensions and measures are available for analysis in the worksheet.

Schema Example Value

Schema	Example Value
<input checked="" type="checkbox"/> Export_13-04-2020-EmpresasDetail...	
url	http://
telephone	+34
alternateName	COFARES SOCIEDAD COOPERATIVA FARMA...
taxID	F28140119
description	
numberOfEmployees	0
founderingDate	01/01/1944
founderingLocation	MADRID
name	COFARES SOCIEDAD COOPERATIVA FARMA...
image	nif-28140119.gif?v=1.01
isicV4	PRODUCTOS FÁRMACOS / MEDICAMENTOS
logo	nif-28140119.gif?v=1.01
<input type="checkbox"/> _id	

1 schema level selected

Cancel OK

Tableau - Book1

Connections  
Export\_13...sasDetails JSON file

Files  
data.txt empresas\_o...669120.txt Export\_13-0...etails.json

New Union

Export\_13-04-2020-EmpresasDetails

Export\_13-04-2020-Empresa...

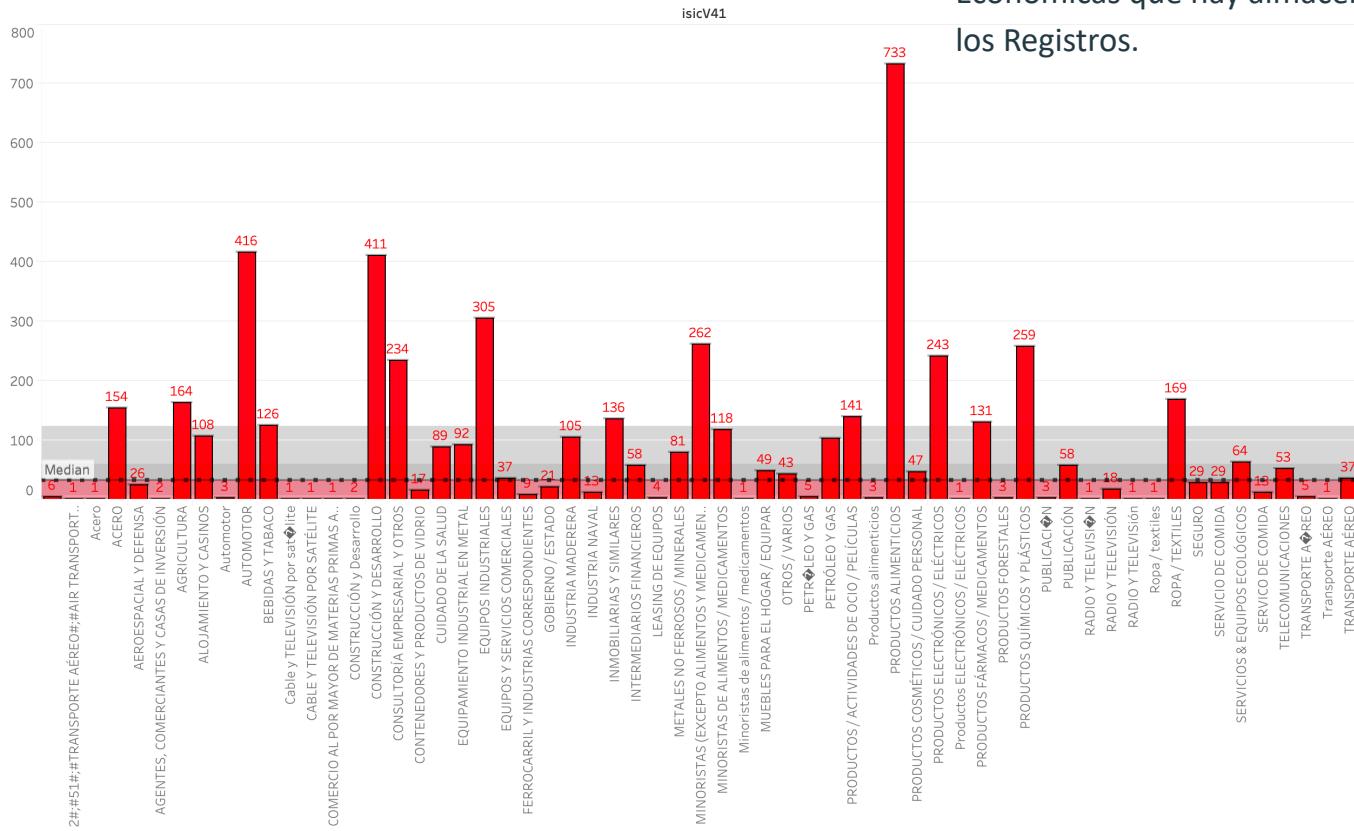
ya hemos importado el fichero de datos a nuestra aplicación...

Sort fields Data source order ▾ Show aliases Show hidden fields 1.000 rows

# Document Index (...)	Abc Alternate Name	Abc Description	Abc Founding Date	Abc Founding Location	Abc Image	Abc isicV4	Abc Logo	Abc Name	Abc Number Of
1	COFARES SOCIEDAD COOPE...		01/01/1944	MADRID	nif-28140119.gif?v=...	PRODUCTOS FÁRMA...	nif-28140119.gif?v=...	COFARES SOCIEDAD ...	0
2	VOLKSWAGEN NAVARRA SA	Bienvenido a la Págin...	28/12/1993	NAVARRA	nif-31472459.gif?v=...	AUTOMOTOR	nif-31472459.gif?v=...	VOLKSWAGEN NAVA...	4.764
3	AIRBUS DEFENCE AND SPAC...		01/01/1923	MADRID	nif-28006104.gif?v=...	AEROSPAZIAL Y DE...	nif-28006104.gif?v=...	AIRBUS DEFENCE AN...	8.220
4	CRITERIA CAIXA SA		16/12/2003	BARCELONA	nif-63379135.gif?v=...	INTERMEDIARIOS FI...	nif-63379135.gif?v=...	CRITERIA CAIXA SA	88
5	CD SUPPLY INNOVATION SL		28/09/2017	MADRID	nif-87922662.gif?v=...	MINORISTAS DE ALI...	nif-87922662.gif?v=...	CD SUPPLY INNOVATI...	8
6	MICHELIN ESPAÑA PORTUG...		03/09/1932	MADRID	nif-20003570.gif?v=...	AUTOMOTOR	nif-20003570.gif?v=...	MICHELIN ESPAÑA P...	7.878
7	NISSAN MOTOR IBERICA SA	Nissan Motor iberica ...	26/03/1920	BARCELONA	nif-08004871.gif?v=...	AUTOMOTOR	nif-08004871.gif?v=...	NISSAN MOTOR IBER...	4.801
8	ENERGIA XXI COMERCIALIZA...	Distribuidora de serv...	21/12/2000	MADRID	nif-82846825.gif?v=...	UTILITIES / SERVICIO...	nif-82846825.gif?v=...	ENERGIA XXI COMER...	0
9	RENAULT ESPAÑA COMERCI...		01/12/1993	VALLADOLID	nif-47329180.gif?v=...	AUTOMOTOR	nif-47329180.gif?v=...	RENAULT ESPAÑA CO...	329
10	CONSUM S COOP V		16/02/1980	VALENCIA	nif-46078986.gif?v=...	MINORISTAS DE ALI...	nif-46078986.gif?v=...	CONSUM S COOP V	14.963
11	BANKIA SA		01/01/1964	VALENCIA	nif-14010342.gif?v=...	INTERMEDIARIOS FI...	nif-14010342.gif?v=...	BANKIA SA	15.486
12	ALVEAN SUGAR SL		27/07/2014	BIZKAIA	nif-95773057.gif?v=...	PRODUCTOS ALIMENT...	nif-95773057.gif?v=...	ALVEAN SUGAR SL	64
13	EDISTRIBUCION REDES DIGI...		21/12/2000	BARCELONA	nif-82846817.gif?v=...	UTILITIES / SERVICIO...	nif-82846817.gif?v=...	EDISTRIBUCION RED...	2.764
14	VUELING AIRLINES SA		10/02/2004	BARCELONA	nif-63422141.gif?v=...	TRANSPORTE AÉREO	nif-63422141.gif?v=...	VUELING AIRLINES SA	3.553
15	I-DE REDES ELECTRICAS INT...	Iberdrola distribució...	03/02/2000	VIZCAYA	nif-95075578.gif?v=...	UTILITIES / SERVICIO...	nif-95075578.gif?v=...	I-DE REDES ELECTRIC...	3.546
16	IBERDROLA SA		19/07/1901	VIZCAYA	nif-48010615.gif?v=...	UTILITIES / SERVICIO...	nif-48010615.gif?v=...	IBERDROLA SA	740

Data Source Sheet 1

## Actividades Económicas

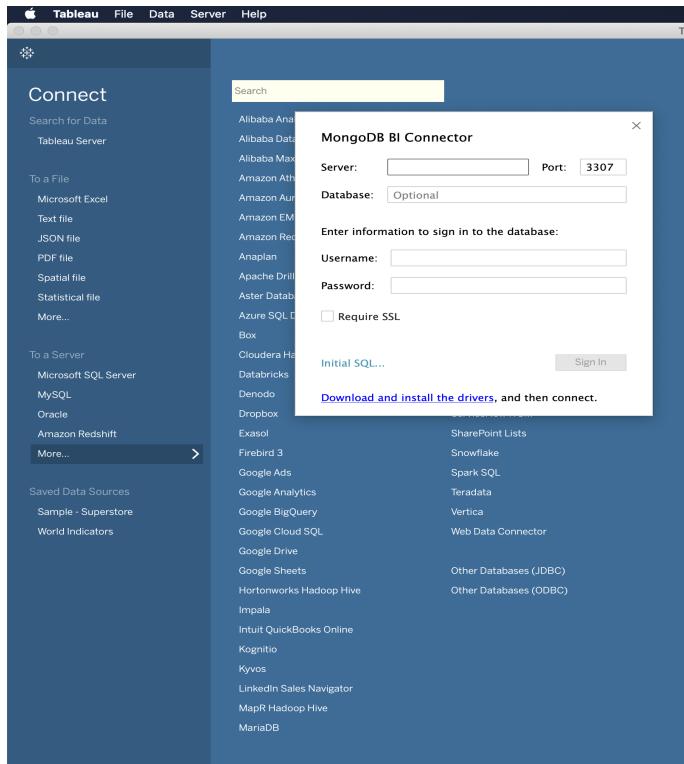


Para crear un histograma e identificar las Actividades Económicas que hay almacenadas, en la Totalidad de los Registros.

Seleccionar y Arrastrar una Dimensión y ponerla en las columnas y una medida y ponerla en las filas.

Esto aún no lo podemos hacer necesita la versión Enterprise de pago... de MongoDB

Después de descargar la versión Desktop y actualizar la key si es el caso...



[https://www.tableau.com/en-us/support/drivers?edition=pro&lang=en-us&platform=mac&cpu=64&version=2020.1&\\_\\_full-version=20201.20.0326.1623#mongodb](https://www.tableau.com/en-us/support/drivers?edition=pro&lang=en-us&platform=mac&cpu=64&version=2020.1&__full-version=20201.20.0326.1623#mongodb) - seguir los pasos...

# Connect to HockaidoDB - MongoDB

The screenshot shows the Tableau Support website with the following details:

- Header:** PRICING, SIGN IN, magnifying glass icon.
- Navigation:** + a b | e a u, Products, Solutions, Learning, Community, **Support**, About, COVID-19.
- Section:** SUPPORT
- Title:** Driver Download
- Text:** Find the driver for your database so that you can connect Tableau to your data.
- Text:** To get the right driver, you might need to know your Tableau product version. In Tableau Desktop, select **Help > About Tableau**. In Tableau Server, click the information icon ⓘ and select **About Tableau Server**.
- Text:** For Tableau Bridge, use the same drivers as Tableau Desktop.
- Text:** **Important:** After Tableau 10.5, we are changing the way we number new versions of our software. The version following 10.5 is 2018.1. The next version will be 2018.2, and so on. For more information, see the [Changing our version numbering for new software releases](#) blog post.
- Filter Options:** Data Source (MongoDB BI Connector), Operating System (Mac), Bit Version (64-bit).

Descargar desde <https://www.mongodb.com/tableau?jmp=tbl> el connector for BI - MongoDBEnterprise.. JOOOODE!!...

tions Docs



The MongoDB Connector for Business Intelligence lets you use MongoDB as a data source for SQL-based analytics and data visualization tools like Tableau. Seamlessly create the Tableau visualizations and dashboards that will help you extract the insights and hidden value in your multi-structured data.

The MongoDB Connector for BI is part of MongoDB Enterprise Advanced. Get started by downloading the [MongoDB Connector for BI](#) from here. You can review our [evaluation agreement](#) here.

## Connecting From Tableau

Here's a brief tutorial on how to connect to the BI Connector from Tableau with or without MongoDB authentication enabled.

```
/Users/soniacelis/mongodb-macos-x86_64-4.2.0/bin  
mongodb+srv://User:Pass@clusterhokkaido-quamv.gcp.mongodb.net/test
```

```
mongoexport --uri="mongodb://mongodb0.example.com:27017/reporting" --collection=events --  
out=events.json [additional options]
```