

Tableau

En construcción



**BI ANALYSTS**



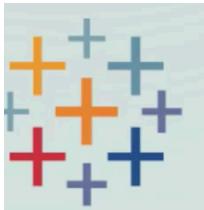
**DATA ANALYSTS**



**DATA SCIENTISTS**



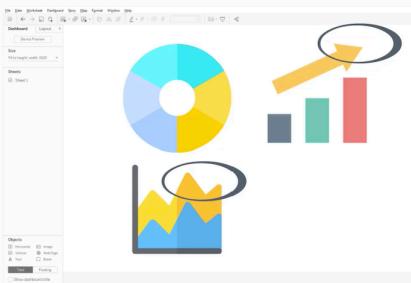
# GEOGRAPHICAL DATA



# VISUALS DASHBOARDS

# AND

# MULTI-LAYERED CALCULATIONS



# Excel



**DATA CREATION TOOL**



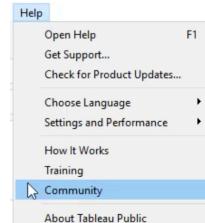
**PRE-PROCESSING**



**MULTI-LAYERED CALCULATIONS**

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

Versión Gratuita!!.



Recursos de otros usuarios!!

The screenshot shows the Tableau Public website interface. At the top, there's a navigation bar with links for GALLERY, AUTHORS, BLOG, RESOURCES, ACTIVITY, and SIGN IN. A magnifying glass icon is also present. Below the navigation, a search bar contains the word 'geography'. Underneath the search bar, there are several search results categorized by type: All results (2,596), Vizzes (2,556), Authors (29), Blogs (11), and Resources. Two specific results are highlighted:

- Geography - ri.uncc**: This result includes a small thumbnail image of a visualization, a 'viz' icon, the URL [https://public.tableau.com/profile/ri.uncc#/vizhome/Geography\\_9/Geography](https://public.tableau.com/profile/ri.uncc#/vizhome/Geography_9/Geography), and the date Jan 4, 2016 - Geography.
- Geography - Lakshmi**: This result includes a small thumbnail image of a visualization, a 'vz' icon, the URL [https://public.tableau.com/profile/lakshmi3372#/vizhome/Geography\\_25/Geography](https://public.tableau.com/profile/lakshmi3372#/vizhome/Geography_25/Geography), and the date Sep 9, 2017 - Geography.

# Funcionalidades importantes

The screenshot shows the Tableau application window with several menus open:

- File:** Sub-menu includes New, Open..., Close, Save, Save As..., Revert to Saved, Export As Version..., Export Packaged Workbook..., Export As PowerPoint... (with keyboard shortcuts like ⌘N, ⌘O, ⌘W, ⌘S, ⌘S, ⌘E, ⌘P, ⌘X, ⌘F).
- Data:** Sub-menu includes New Data Source, Paste, Refresh All Extracts..., Edit Blend Relationships..., Replace Data Source..., Data (Data) (with a dropdown arrow), Export\_13-04-2020-EmpresasDetails (selected, indicated by a checkmark), and postalCodeGIS.
- Worksheet:** Sub-menu includes Edit Data Source..., Refresh (with ⌘R), View Data..., Rename..., Duplicate, Close, Extract Data..., Use Extract, Extract (with a dropdown arrow), Edit Data Source Filters..., Replace Data Source..., Assume Referential Integrity, Date Properties..., Edit Aliases..., Publish to Server..., Add to Saved Data Sources..., Export Data to CSV..., and Properties... (with a dropdown arrow).
- Dashboard:** Sub-menu includes Background Maps, Background Images, Geocoding (with a dropdown arrow), Map Legend, Map Layers..., and Map Options... (with a dropdown arrow).
- Story:** Sub-menu includes nothing visible.
- Analysis:** Sub-menu includes nothing visible.
- Map:** Sub-menu includes nothing visible.
- Format:** Sub-menu includes nothing visible.
- Server:** Sub-menu includes nothing visible.
- Window:** Sub-menu includes nothing visible.
- Help:** Sub-menu includes nothing visible.

Annotations on the image:

- A green arrow points from the text "Crear, Open, Cerrar, Guardar un fichero" to the "File" menu.
- A green arrow points from the text "Visualización Geográfica" to the "Map" menu.
- A green arrow points from the text "Adicionar, Reemplazar ó Editar fuentes de datos" to the "Data" menu.

Connect

To a File 

- Microsoft Excel
- Text file
- JSON file
- Microsoft Access
- PDF file
- Spatial file
- Statistical file

To a Server 

- OData
- More... >

The screenshot shows the Tableau desktop application. On the left, the 'Connections' pane is open, showing a 'Data' connection from 'Microsoft Excel'. The 'Sheets' pane lists 'Countries', 'Data', and 'Indicators'. A red box highlights the 'Data' sheet. A green arrow points from the 'Data' sheet in the 'Sheets' pane to a larger red box on the right containing the text 'Drag sheets here' and 'Arrastrar y Soltar' (Drag and Drop). The title bar reads 'Tableau - EmpresasDetails\_1'.

# Conectar a un fichero o a un servidor donde estén los datos

## **Microsoft Excel file...**

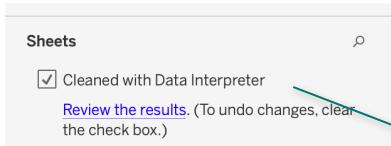
## Arrastrar y Soltar *Drag sheets here*

**Revisar que se hayan cargado los datos correctamente**

Revisar que se hayan cargado los datos correctamente

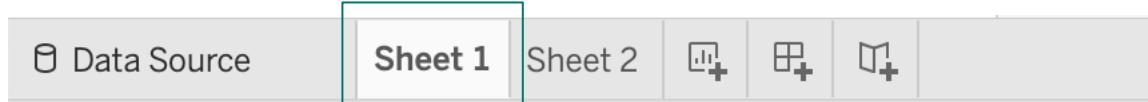
Sort fields Data source order ▾

		null	null	null	null	Data F5	null	null	null	
Ale	Ale	#	#	#	#		#	#	#	F10
F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	
Data Source	null	null	Data F4	null	null	null	null	null	null	null
Last Updated Date	null	null	null	null	null	null	null	null	null	null
Country Name	Indicator Name	2,002,000	2,003,000	2,004,000	2,005,000	2,006,000	2,007,000	2,008,000	2,009,000	2
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	10,190,529,882.49	12,486,941	
Angola	GDP (current US\$)	19,479,346,669.67	14,388,949,190.62	19,640,848,728.89	28,233,712,830.90	41,789,476,651.31	60,488,912,272.16	84,176,032,716.16	75,492,382	
Albania	GDP (current US\$)	4,435,078,647.75	5,746,945,912.58	7,31,865,175.72	8,518,548,716.69	8,992,642,348.79	10,701,011,996.77	12,881,352,687.78	12,044,211	
Andorra	GDP (current US\$)	1,733,136,883.12	2,398,645,598.19	2,935,659,299.73	3,255,789,080.96	3,543,265,805.92	4,016,792,351.49	4,007,353,156.58	3,660,553	
Arab World	GDP (current US\$)	75,175,715,403.45	823,130,514,440.66	96,382,364,520.62	1,184,661,549,595.13	1,404,113,530,800.68	1,673,573,196,970.62	2,078,115,659,870.74	1,795,816,70	
United Arab Emirates	GDP (current US\$)	109,816,201,497.62	124,346,358,066.71	147,824,370,319.95	180,617,018,379.85	221,116,541,865.21	257,916,133,424.10	317,474,615,738.80	253,547,534	
Argentina	GDP (current US\$)	97,724,004,251.86	127,558,973,492.18	164,657,930,452.79	198,737,095,012.28	235,576,905,817.31	287,530,760,430.57	361,558,037,110.42	332,976,484	
Armenia	GDP (current US\$)	2,376,335,048.40	2,807,061,009.69	3,576,615,240.42	4,900,469,950.09	5,884,456,160.14	6,206,301,700.40	11,662,704,713.88	8,647,933	
American Samoa	GDP (current US\$)	514,000,000.00	527,000,000.00	512,000,000.00	503,000,000.00	496,000,000.00	520,000,000.00	563,000,000.00	678,000	
Antigua and Barbuda	GDP (current US\$)	814,615,323.70	855,643,099.63	915,577,142.59	1,022,191,294.74	1,157,055,441.48	1,311,401,318.89	1,368,431,037.04	1,224,251	
Australia	GDP (current US\$)	394,635,830,851.99	466,853,232,382.06	613,320,776,639.64	693,764,050,624.72	747,572,626,534.89	853,764,622,752.61	1,055,334,825,425.25	97,168,313	
Austria	GDP (current US\$)	213,377,771,503.86	261,695,778,781.04	309,004,221,504.84	315,974,418,604.65	335,998,557,270.10	388,691,445,387.35	430,294,287,388.31	400,172,291	
Azerbaijan	GDP (current US\$)	6,735,795,105.89	7,726,013,031.97	8,680,472,188.52	13,245,716,999.01	20,983,019,923.89	33,050,343,782.78	48,852,482,960.08	44,291,490	



## 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,



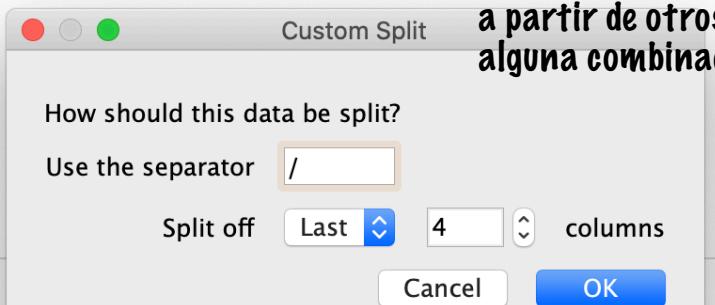
Click y abrir la hoja de trabajo

Nueva hoja de trabajo  
Nuevo Dashboard  
Nueva Story

Fuentes de datos

# Creación de Campos

a partir de otros o aplicando alguna combinación ...



Abc Export_13-04-2020-EmpresasDetails	Abc Rename Reset Name Copy Values Hide	Abc Export_13-04-2020-Empresa... @Type (Identifier)	Abc Export_13-04-2020-Empresa... Property ID
31/12/2001	Aliases... Create Calculated Field... Create Group... Split Custom Split... Describe...	PropertyValue	Company Nu

Separar campos - split ó  
customizar el split

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

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

31/12/2001 31 12 2001

Abc Export_13-04-2020-Empresa...	=Abc Calculation
Url	dominio
http://www.adidas.es	adidas.es
http://www.tubacex.com	tubacex.com
http://www.guardian.com	guardian.com
http://www.tubosreunidos.com	tubosreunidos.com
http://www.quesogran...	quesogranbritan.co
http://www.bancSABADELL.com	bancSABADELL.com
http://www.comercia...	comercial

- Edit...
- Rename
- Copy Values
- Hide
- Delete
- Aliases...
- Create Calculated Field...
- Create Group...
- Split
- Custom Split...

"comercial"+"@"+[dominio]

Crea una dirección de email a  
partir del dominio

The calculation is valid.

Apply OK

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.

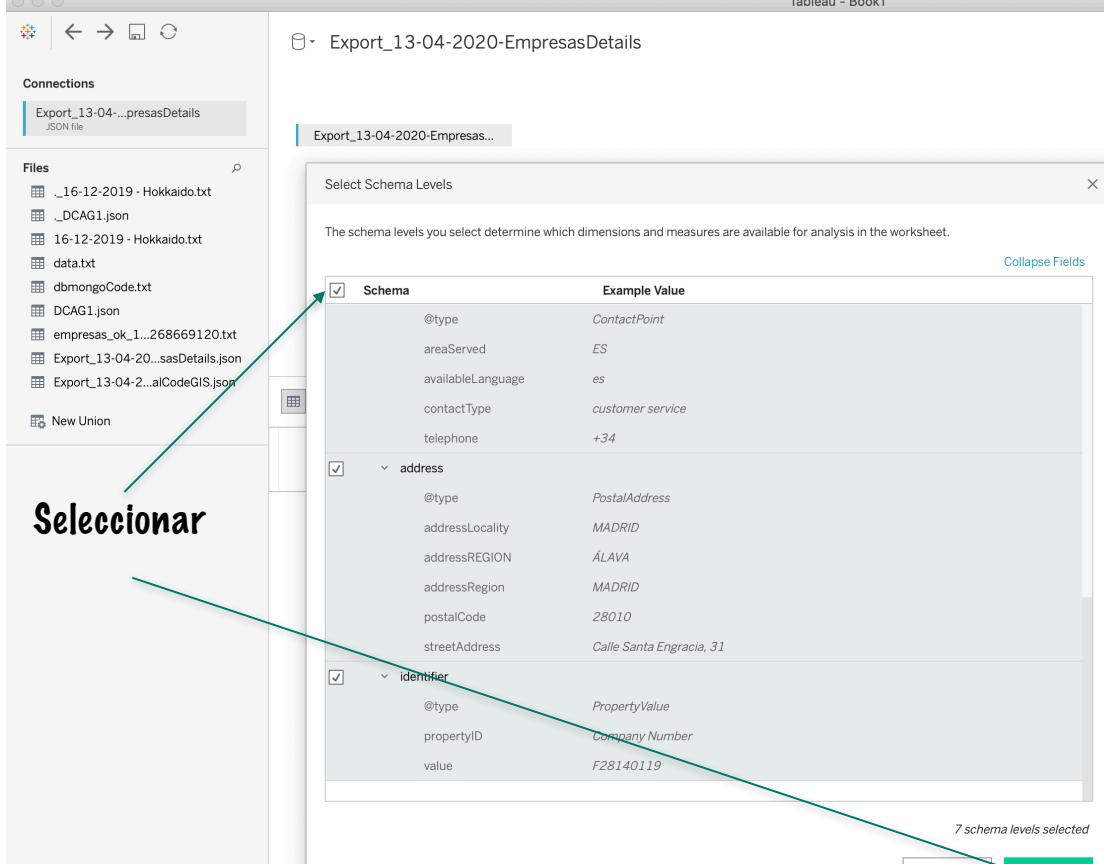
Collapse Fields

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



#	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	

Filas



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' section to the text 'Azul'. Another green arrow points from the 'Measures' section 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

# Interface - Tableau

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

A screenshot of the Tableau interface showing the visualization shelf, filters, and marks cards. The visualization shelf displays various chart types. The filters section shows a selected filter for 'Address REGION'. The marks card shows options for Color, Size, Text, Detail, and Tooltip.

Pages

Analizar campos específicos

Filters

Filtrar datos

Show Me

Address REGION

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

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

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

Number (decimal)

Number (whole)

Date & Time

Date

String

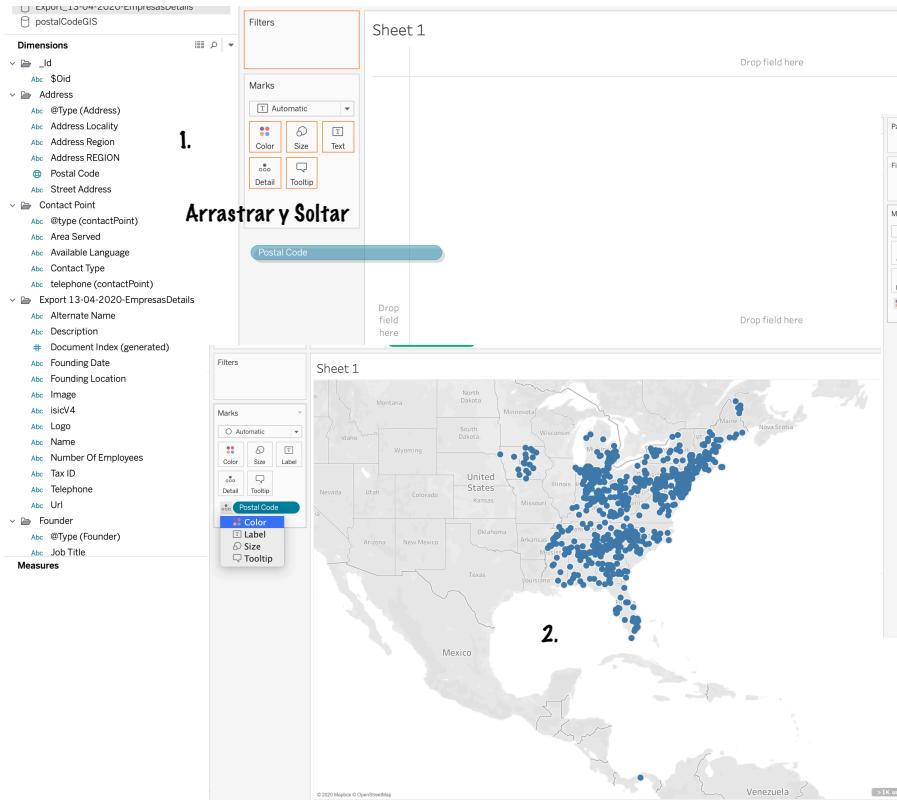
Default

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

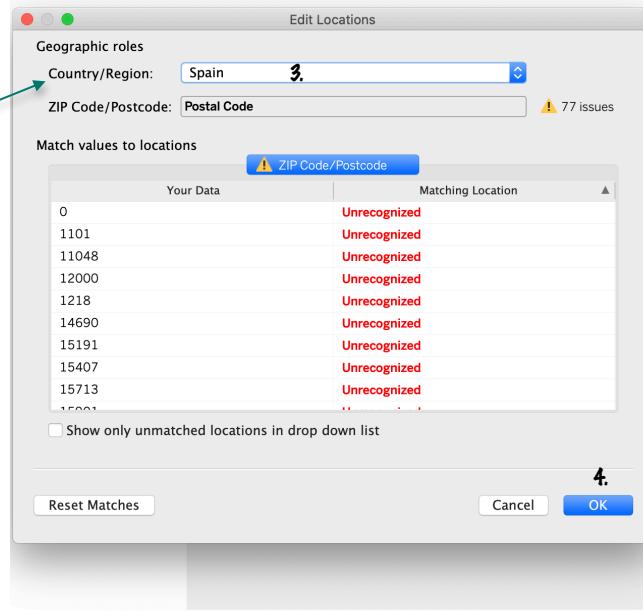
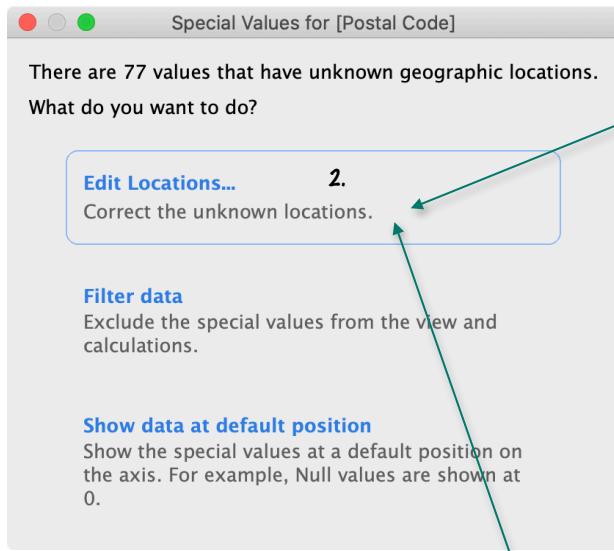
Create from ►

Este campo es de tipo String No tiene Rol Geográfico



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

# Cambiar el País



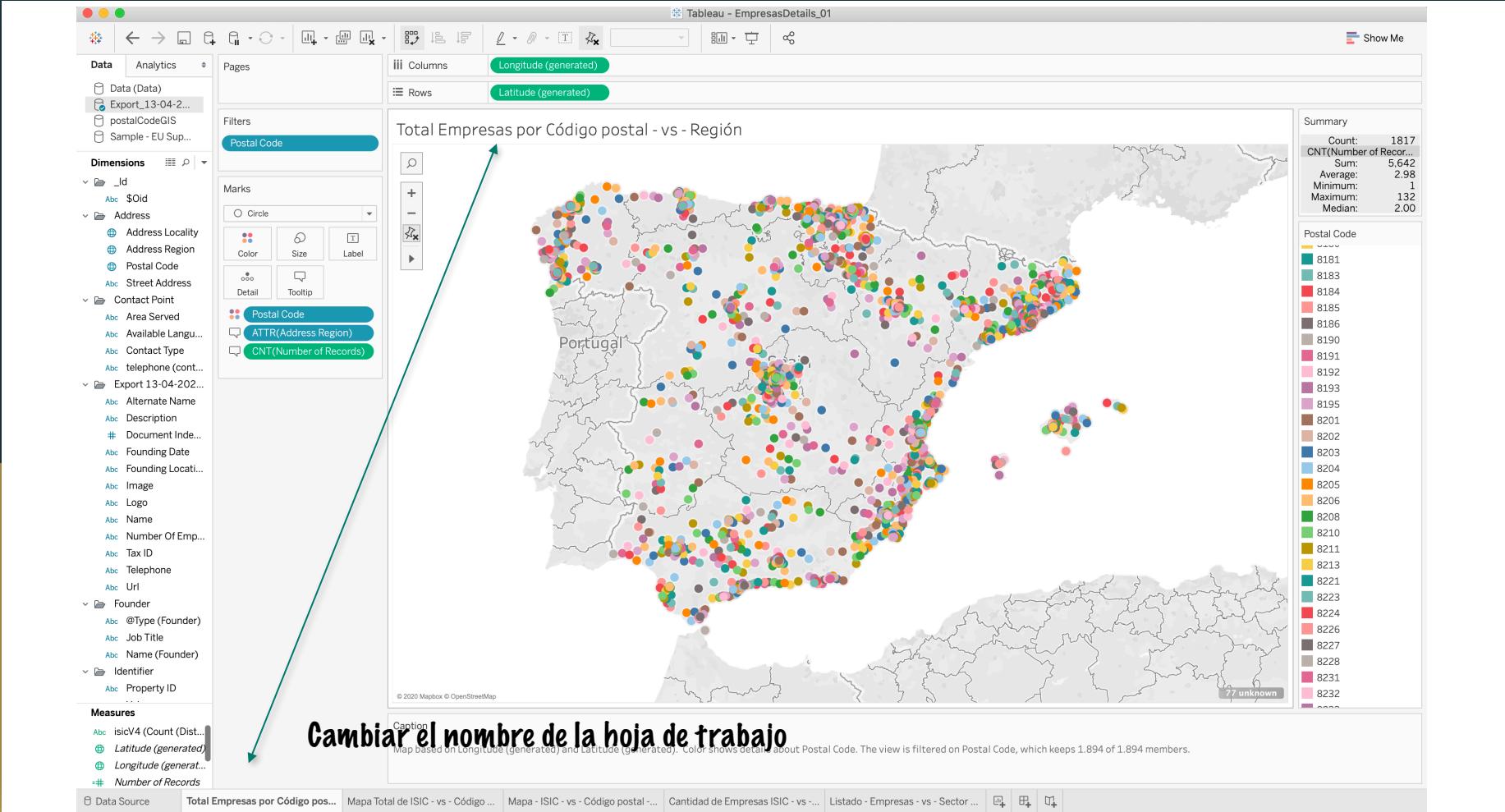
Doble click y seleccionar Edit Locations...

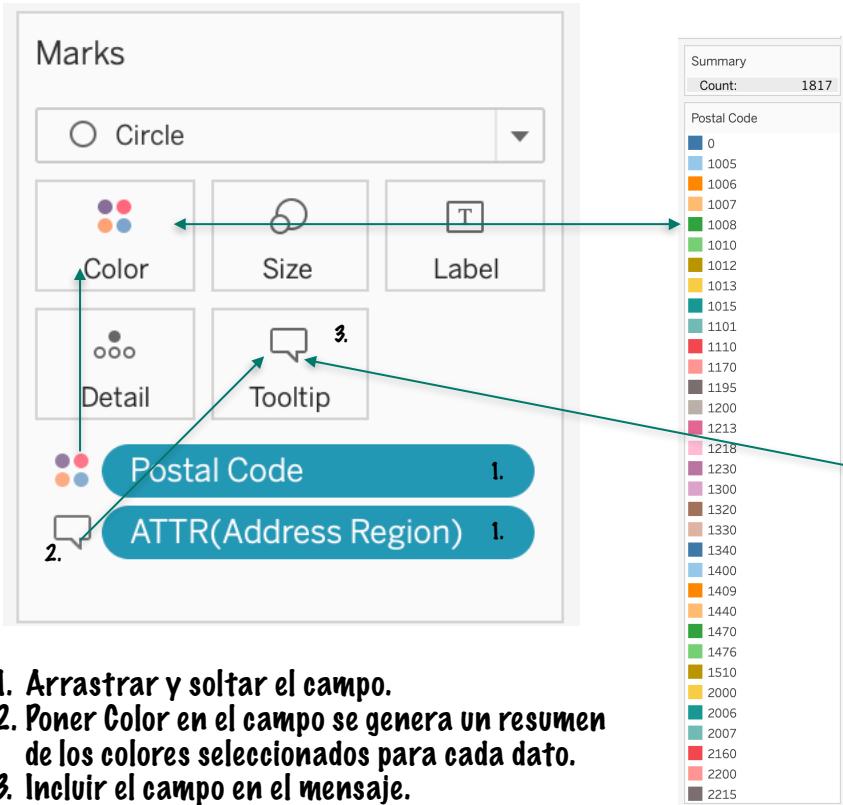
Cambiar el nombre en el campo Country/Region

1.

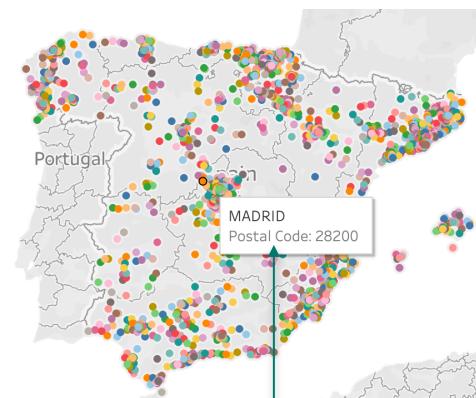
>1K unknown

# Total Empresas por Código postal - vs - Región



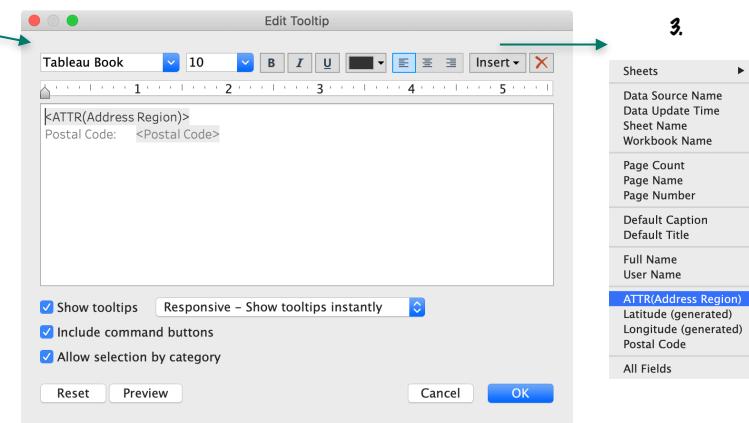


1. Arrastrar y soltar el campo.
2. Poner Color en el campo se genera un resumen de los colores seleccionados para cada dato.
3. Incluir el campo en el mensaje.



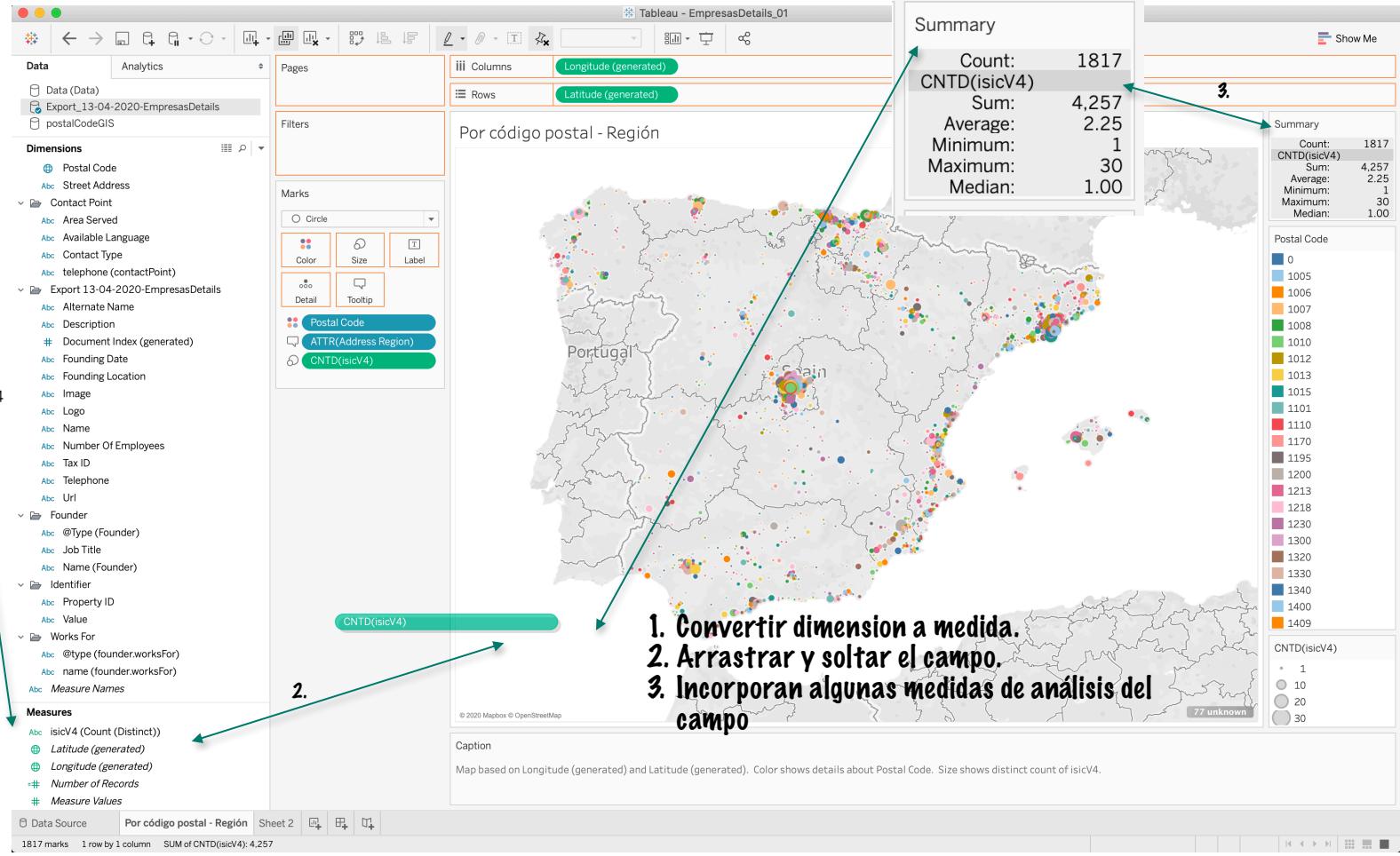
2.

### Adicionar Atributos en el mensaje



3.

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



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

**Tableau - EmpresasDetails\_01**

**Por código postal - Región**

**5.**

**4.**

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

The screenshot illustrates the process of customizing a Tableau visualization. It shows a map of Spain and Portugal with data points represented by colored circles. A tooltip for Madrid displays the postal code (28001) and industrial classification (9). The Tableau interface includes a Data pane, a Marks card, and a Summary pane. Arrows point from specific elements to the Tableau Book and Edit Tooltip dialog boxes, which show the configuration for the tooltip message and sizes.

**Tableau Book**

- KATTR(Address Region)>
- Postal Code: <Postal Code>
- !SIndustrial Clasification: <CNTD(isicV4)>

**Show tooltips** **Responsive - Show tooltips instantly**

**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)**

- 1
- 10
- 20
- 30

**Edit sizes...**  
**Format Legends...**  
**Show Title**  
**Edit Title...**  
**Hide Card**

**Sample legend:**

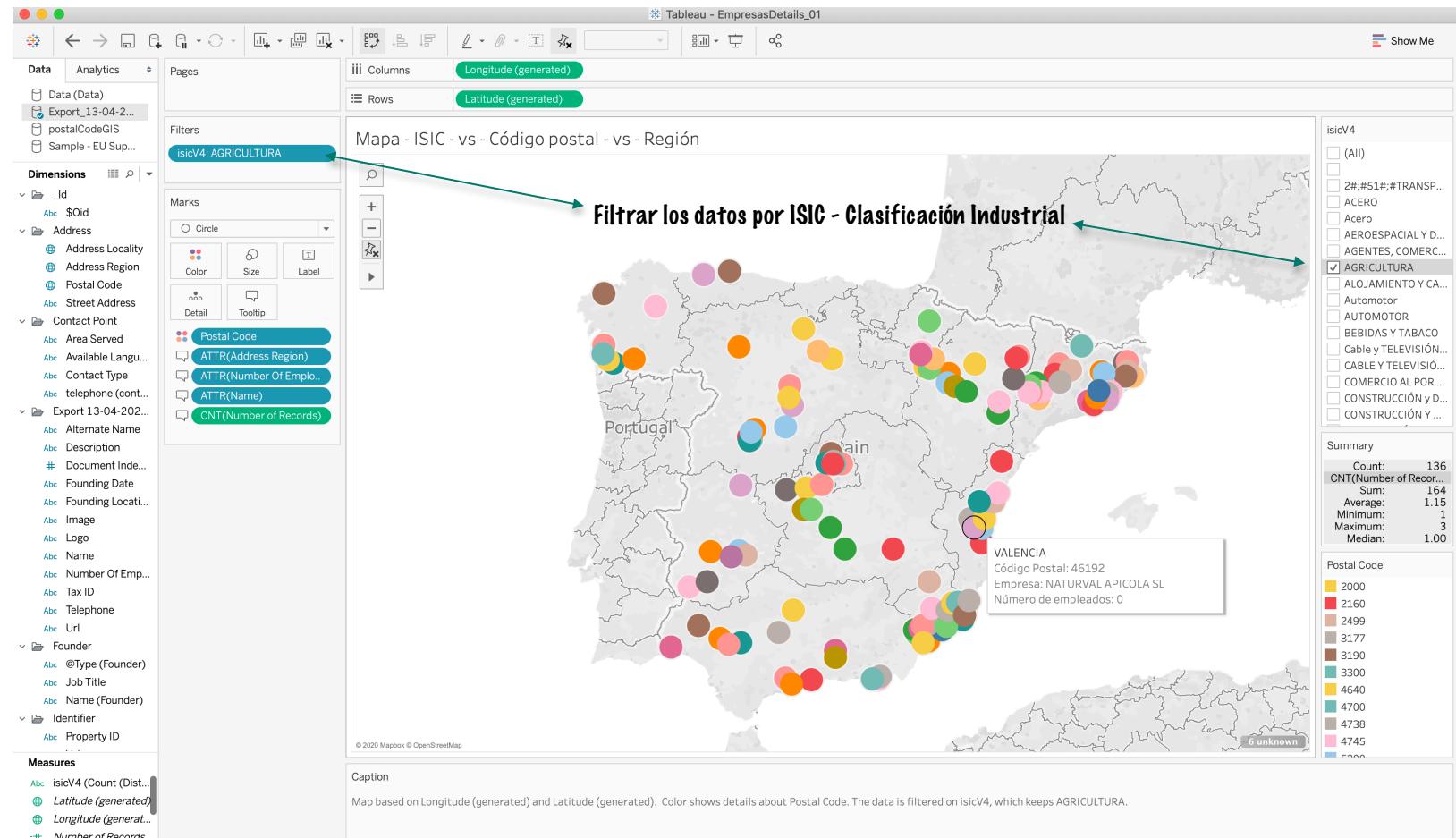
**Sizes vary:** By range

**Mark size range:**

- Smallest
- Reversed
- Start value for range
- End value for range

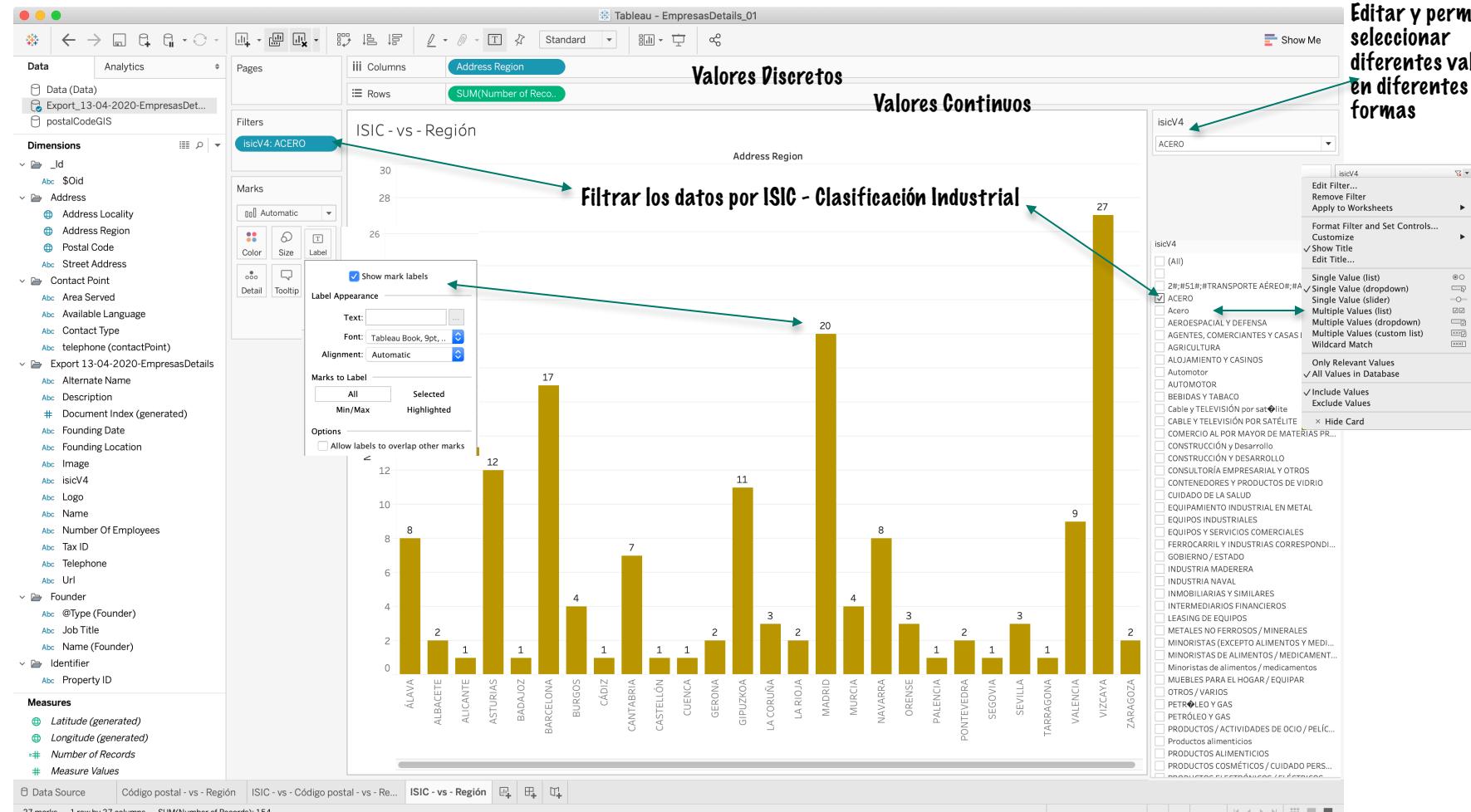
**Largest**

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



## Cantidad de Empresas ISIC - vs - Región

**Editar y permitir  
seleccionar  
diferentes valores  
en diferentes  
formas**



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

Data Analytics

Pages

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	

## Arrastre y Suelte una dimensión a Marks

## Marks

Dimensions		
Postal Code		
Street Address	Marks	

A screenshot of the Microsoft Power BI ribbon. The 'Design' tab is highlighted in blue, indicating it is the active tab. Other tabs like 'Home', 'Analytics', 'Format', 'Insert', 'Page', and 'Share' are visible but not selected.

- Abc Description
- # Document Index...
- Abc Founding Date
- Abc Founding Locati...
- Abc Image
- Abc IsicV4
- Abc Logo
- Abc Name
- Abc Number Of Emp...

- Abc Tax ID
- Abc Telephone
- Abc Url
- v  Founder
  - Abc @Type (Founder)
  - Abc Job Title
    - v Name (Founder)

- ✓ Identifier
  - Abc Property ID

- Abc Value
- ✓ Works For

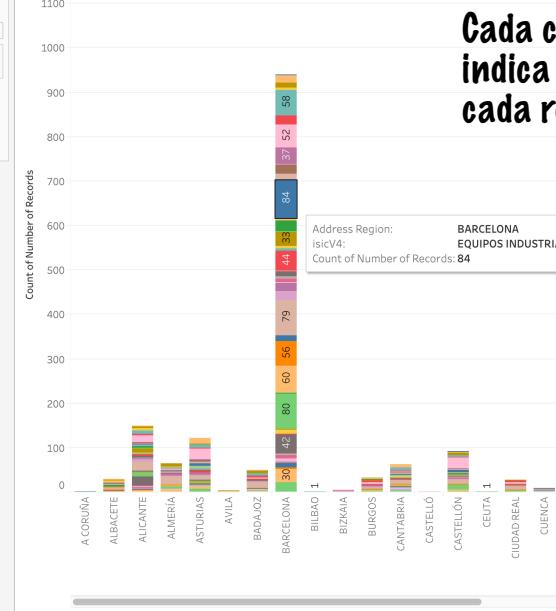
Abc @type (founder....  
Abc name (founder....

## Measures

iii Columns	Address Region
Rows	CNT(Number of Reco.)

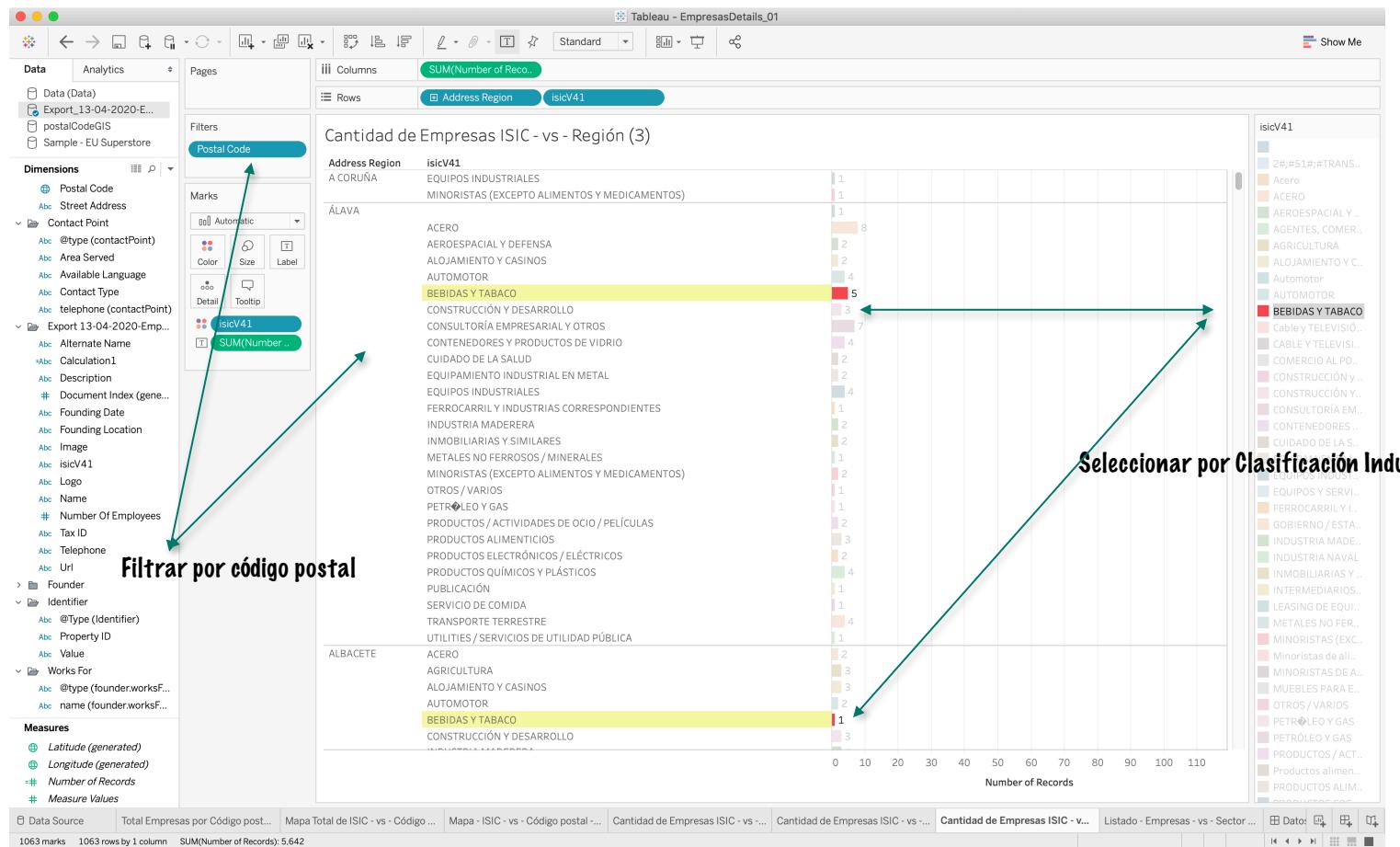
### Cantidad de Empresas ISIC - vs - Región (2)

Address R

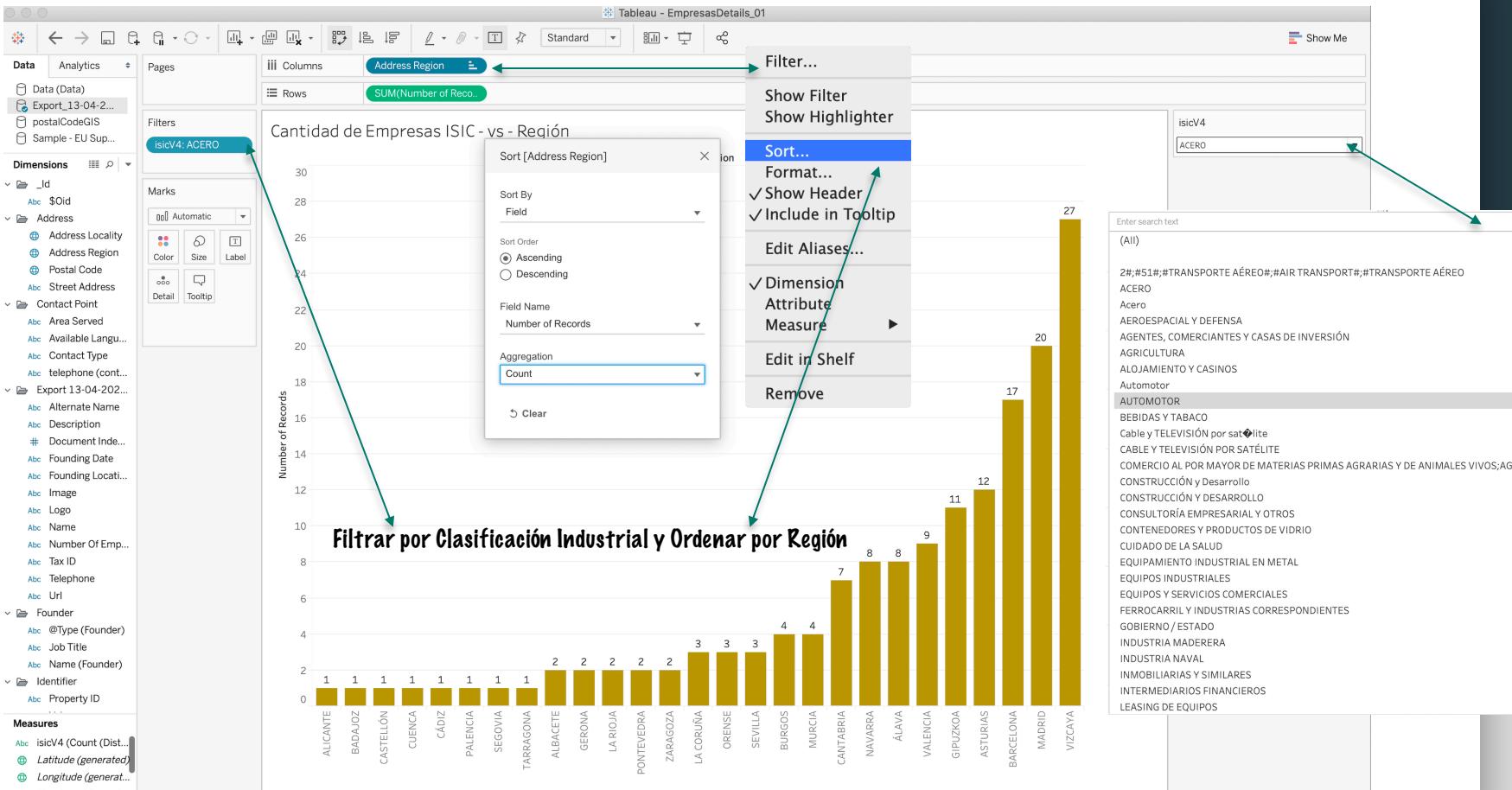


Cada color en la barra me indica los diferentes ISIC en cada región.

# 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**

Filtrar los datos por ISIC Clasificación Industrial

Address Region	Name	Number Of Employees	Url	Telephone	
ÁLAVA	ARATUBO SA	181	http://www.aratubo.com	+34945290659	
	CASTMETAL VITORIA	186	http://www.estampaciones-rubi.com	+34945290000	
	ESTAMPACIONES RUBI SA	157		+34945260400	
	MUGAFIL SA	24	http://www.mugafil.com	+34944161622	
	TUBACEX SERVICE SOLUTIONS SA	25	http://www.trouwnutrition.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	
BADAJOZ	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	+34938203805	
	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...

# 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**

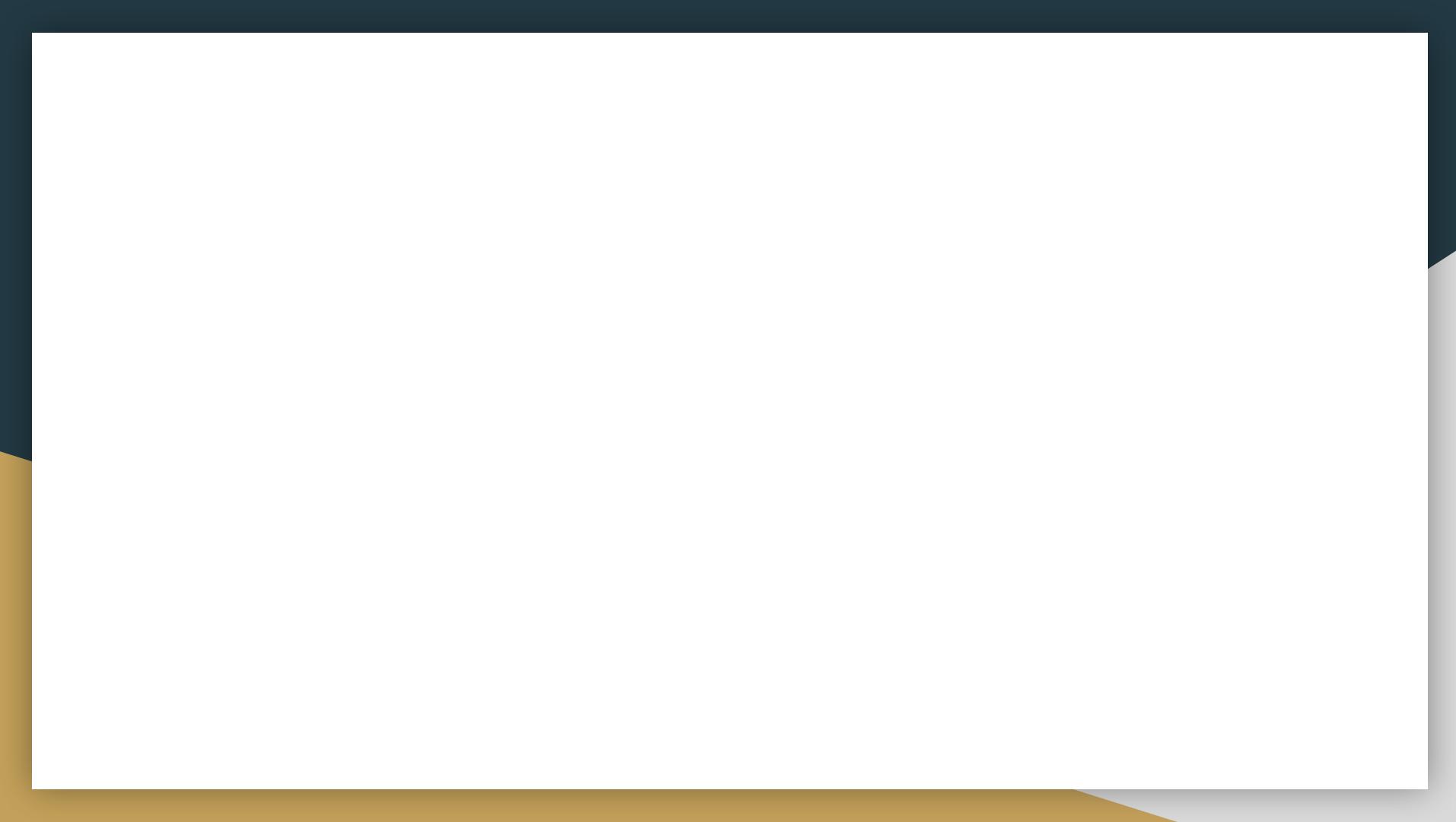
**Cambiar el tipo a Numérico**

# Number Of E...

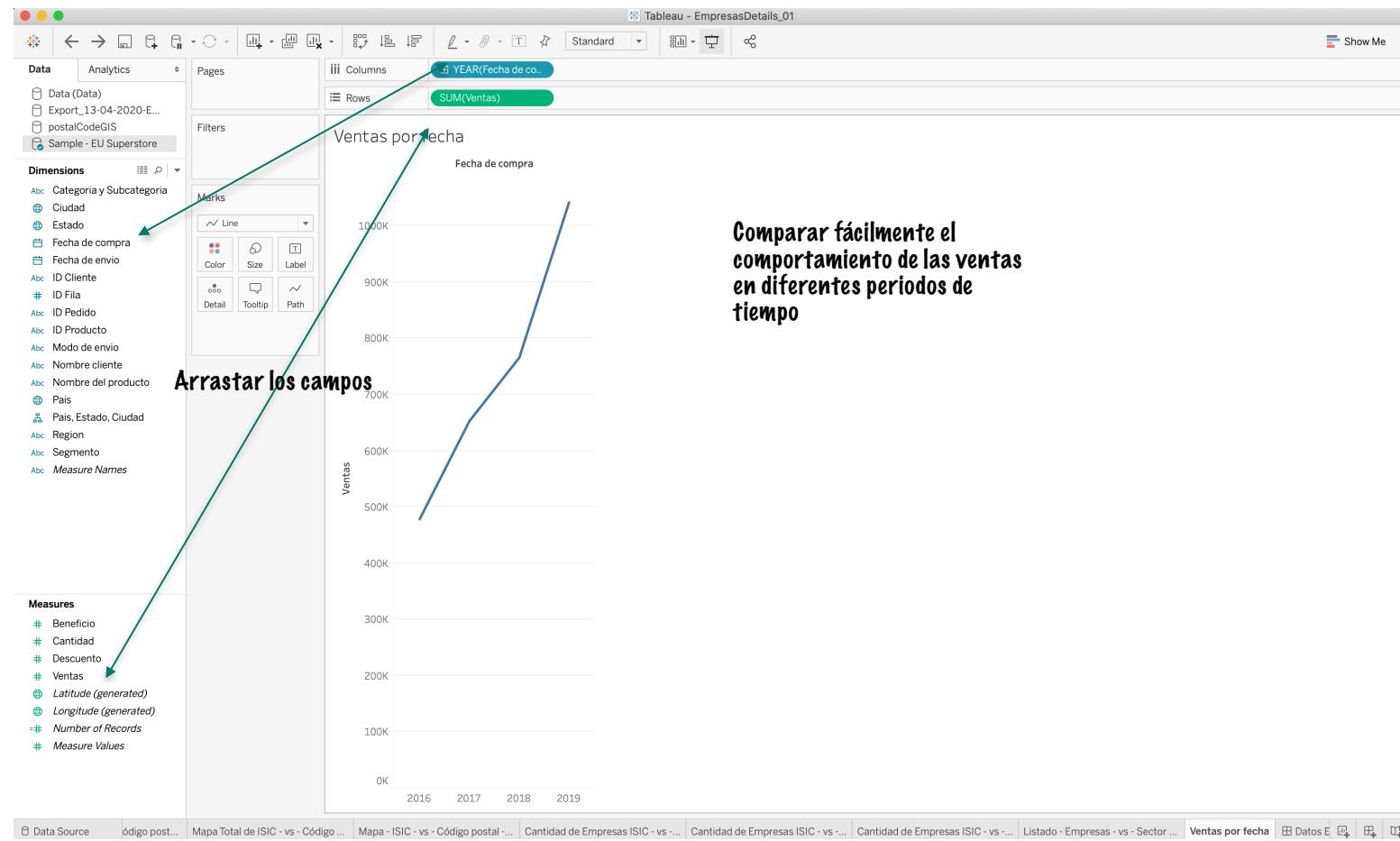
Address Region	Name	Number Of Employees	Url	Telephone
ALAVA	TUBOS REUNIDOS INDUSTRIAL SL	747	http://www.tubosreunidos.com	+34945897100
	TUBACEX TUBOS INOXIDABLES SA	642	http://www.tubacex.com	+34946719300
	CASTMETAL VITORIA SL	186	http://	+34945290000
	ARATUBO SA	181	http://www.aratubo.com	+34945290659
	ESTAMPACIONES RUBI SA	157	http://www.estampaciones-rubi.com	+34945260400
	TUBOS MECANICOS NORTE SA	53	http://tubosmechanicos.es	+34945399833
	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

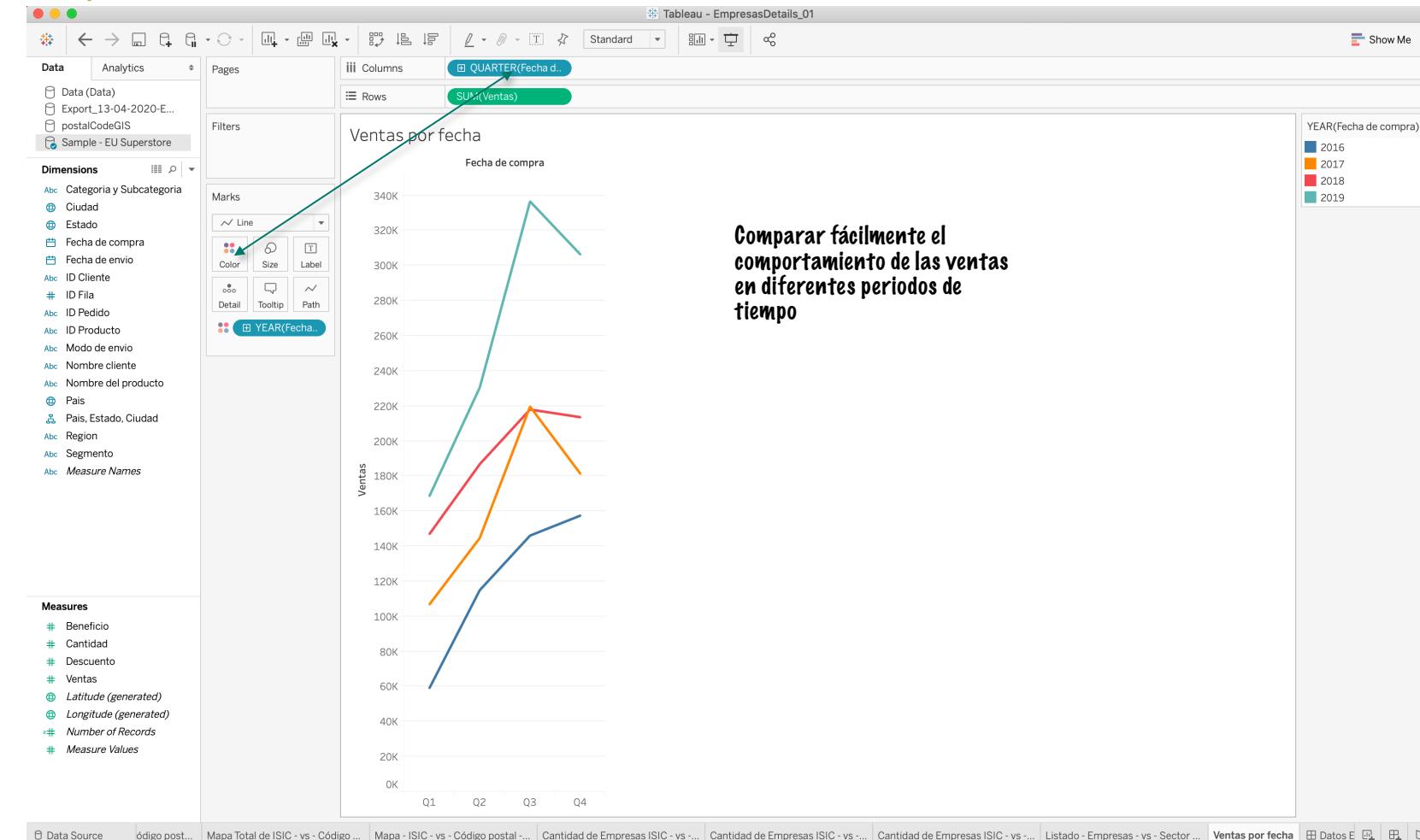
- (All)
- 2#;#TRANS...
- ACERO**
- Aero
- AEROESPACIAL Y D...
- AGENTES, COMERC...
- AGRICULTURA
- ALOJAMIENTO Y CA...
- Automotor
- AUTOMOTOR
- BEBIDAS Y TABACO
- Cable y TELEVISIÓN...
- CABLE Y TELEVISIÓN...
- COMERCIO AL POR...
- CONSTRUCCIÓN Y D...
- CONSTRUCCIÓN Y ...
- CONSULTORÍA EMP...
- CONTENEDORES Y ...
- CUIDADO DE LA SAL...
- EQUIPAMIENTO IN...
- EQUIPOS INDUSTRI...
- EQUIPOS Y SERVICI...
- FERROCARRIL 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 ELET...



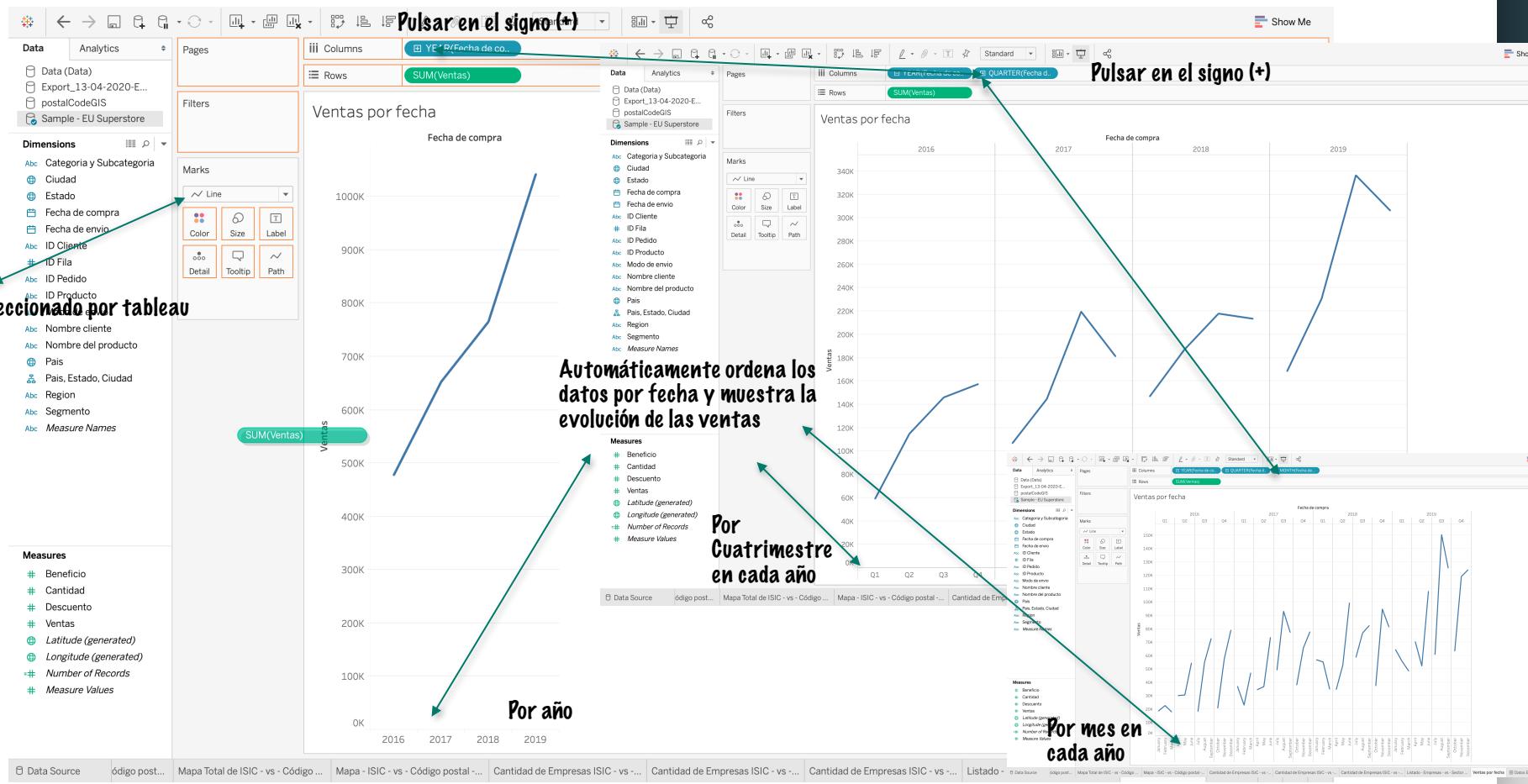
# Ventas por fechas



# Ventas por fechas



## Ventas por fechas

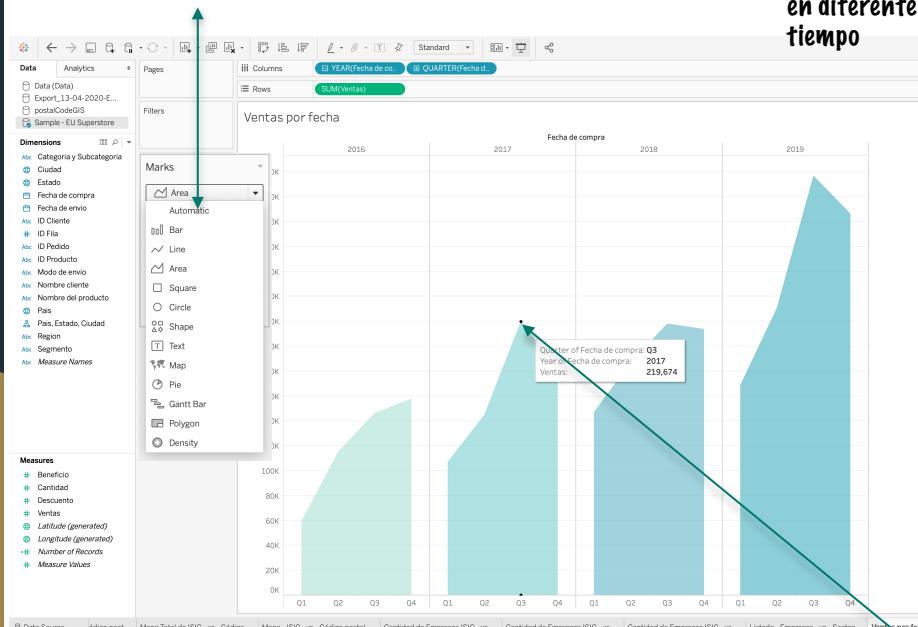


# Ventas por fechas

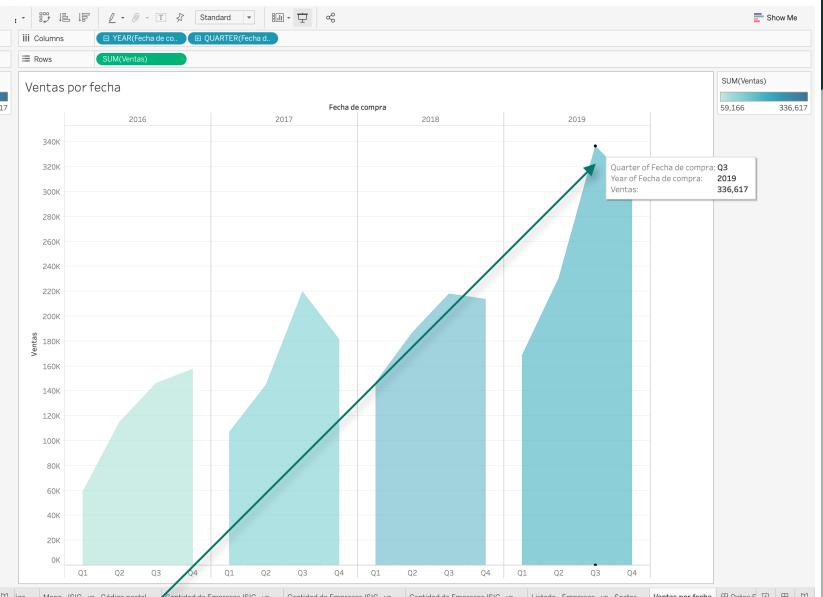


# Ventas por fechas

Cambiar el gráfico seleccionado automáticamente por tableau



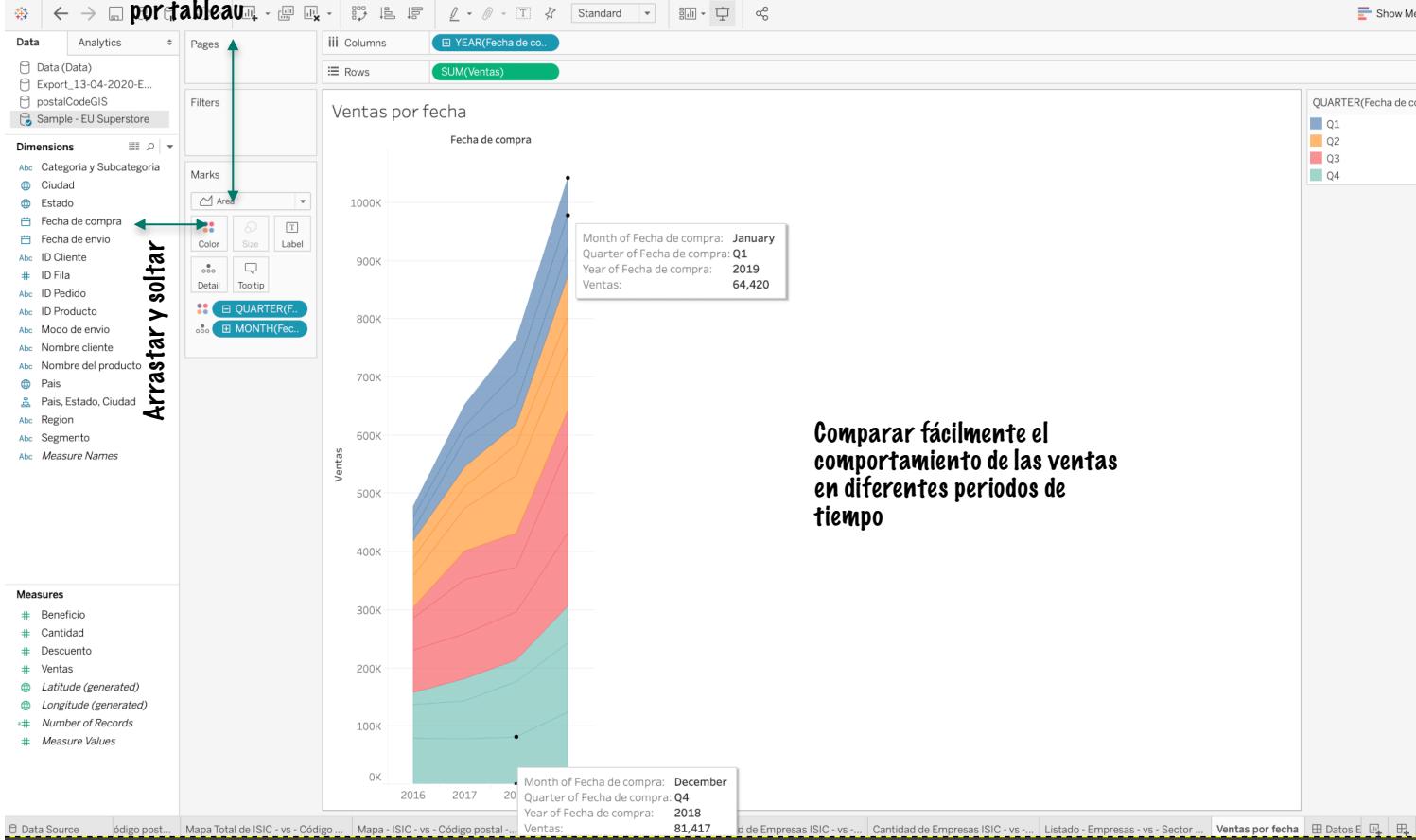
Comparar fácilmente el comportamiento de las ventas en diferentes períodos de tiempo



El mismo trimestre en diferentes años

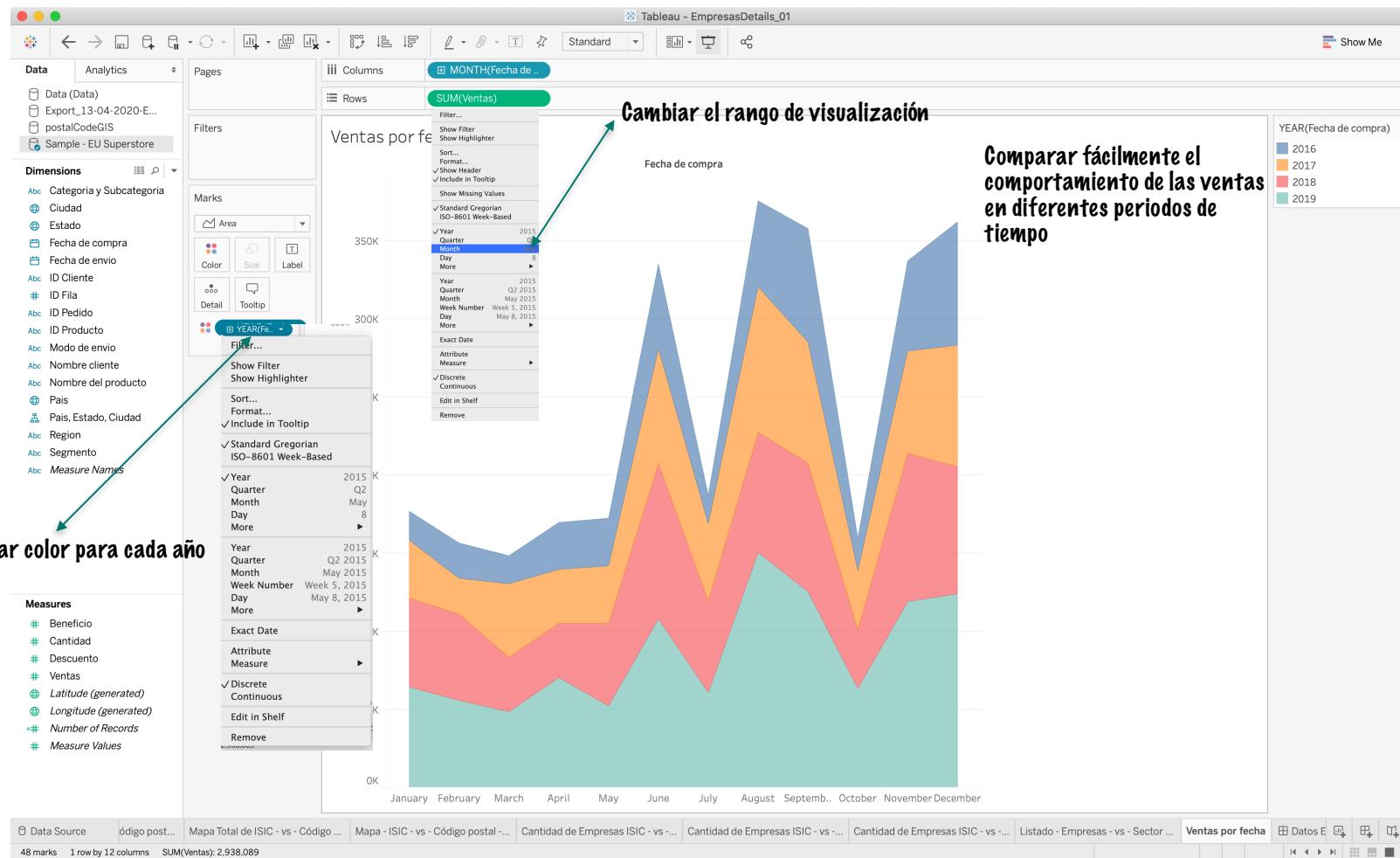
# Ventas por fechas

Cambiar el gráfico  
seleccionado automáticamente  
por tableau

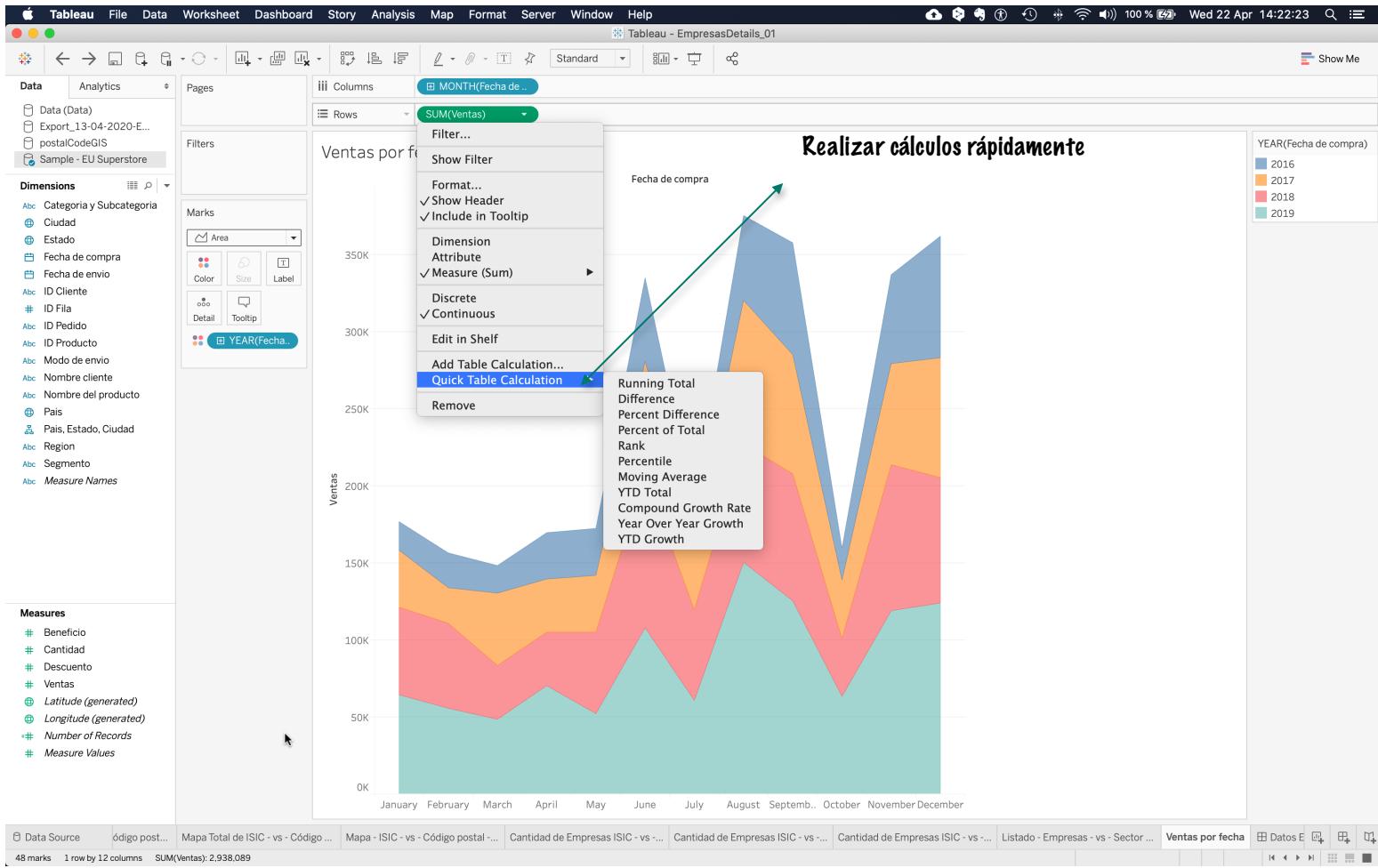


Comparar fácilmente el  
comportamiento de las ventas  
en diferentes períodos de  
tiempo

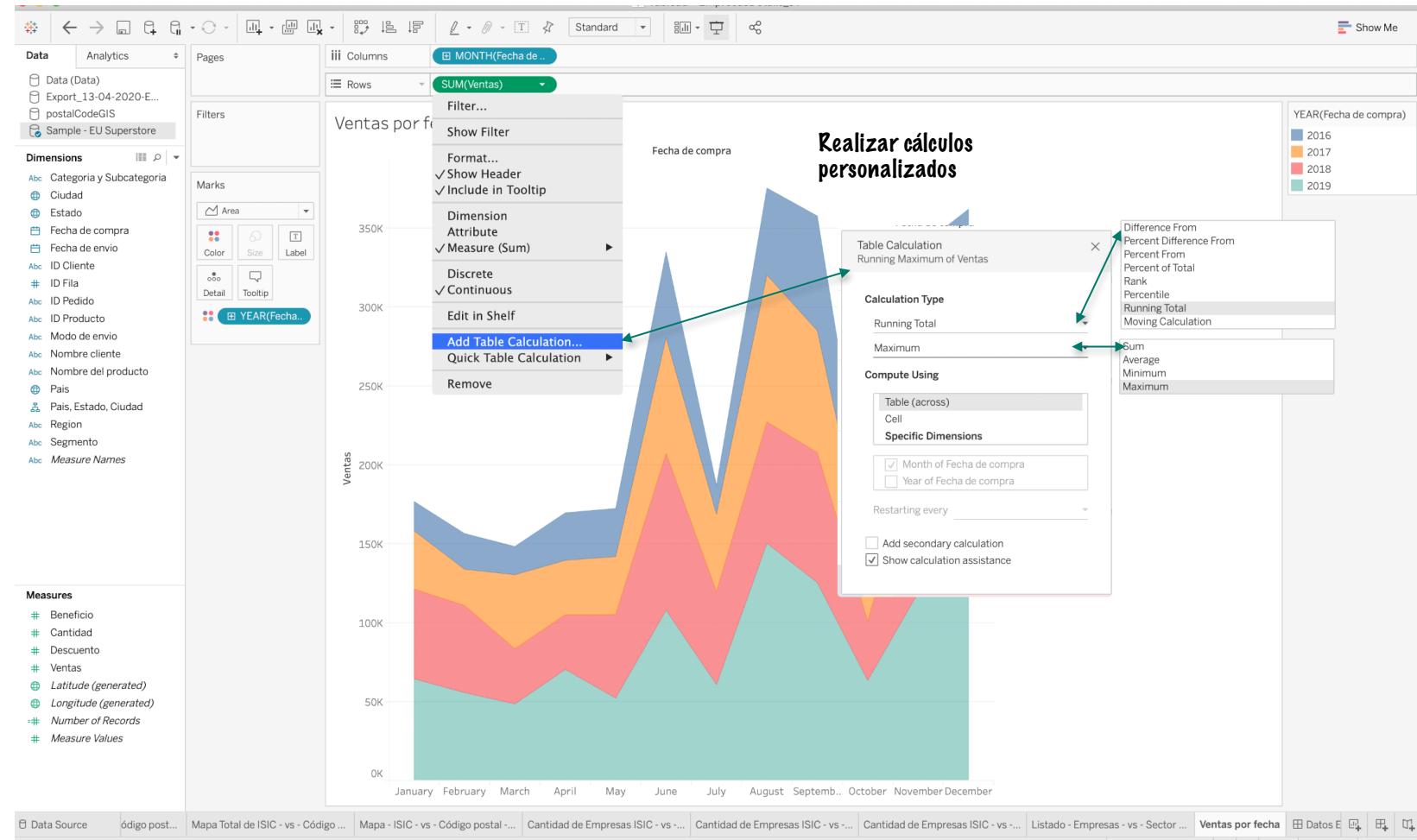
## Ventas por fechas



# Ventas por fechas

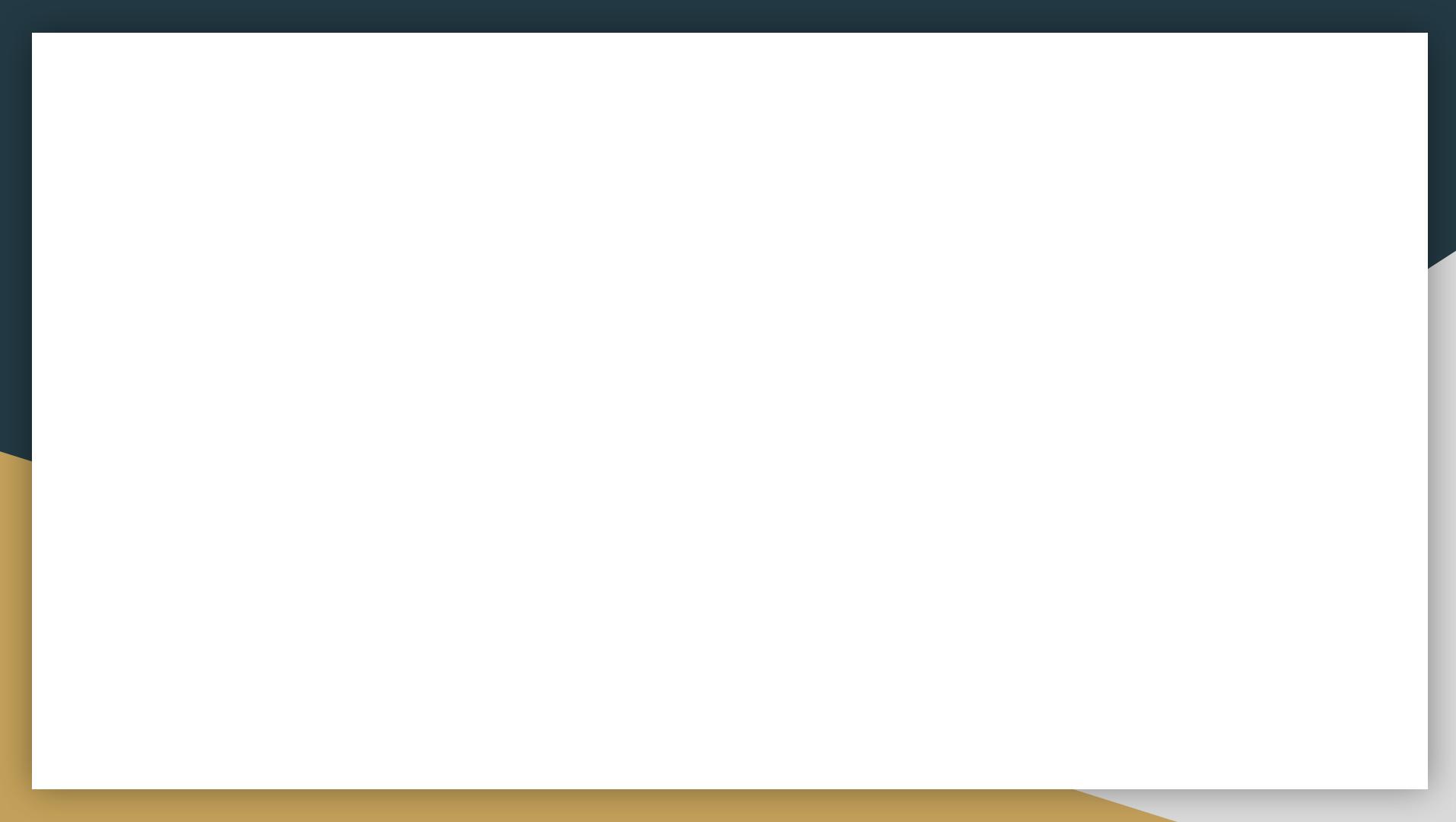


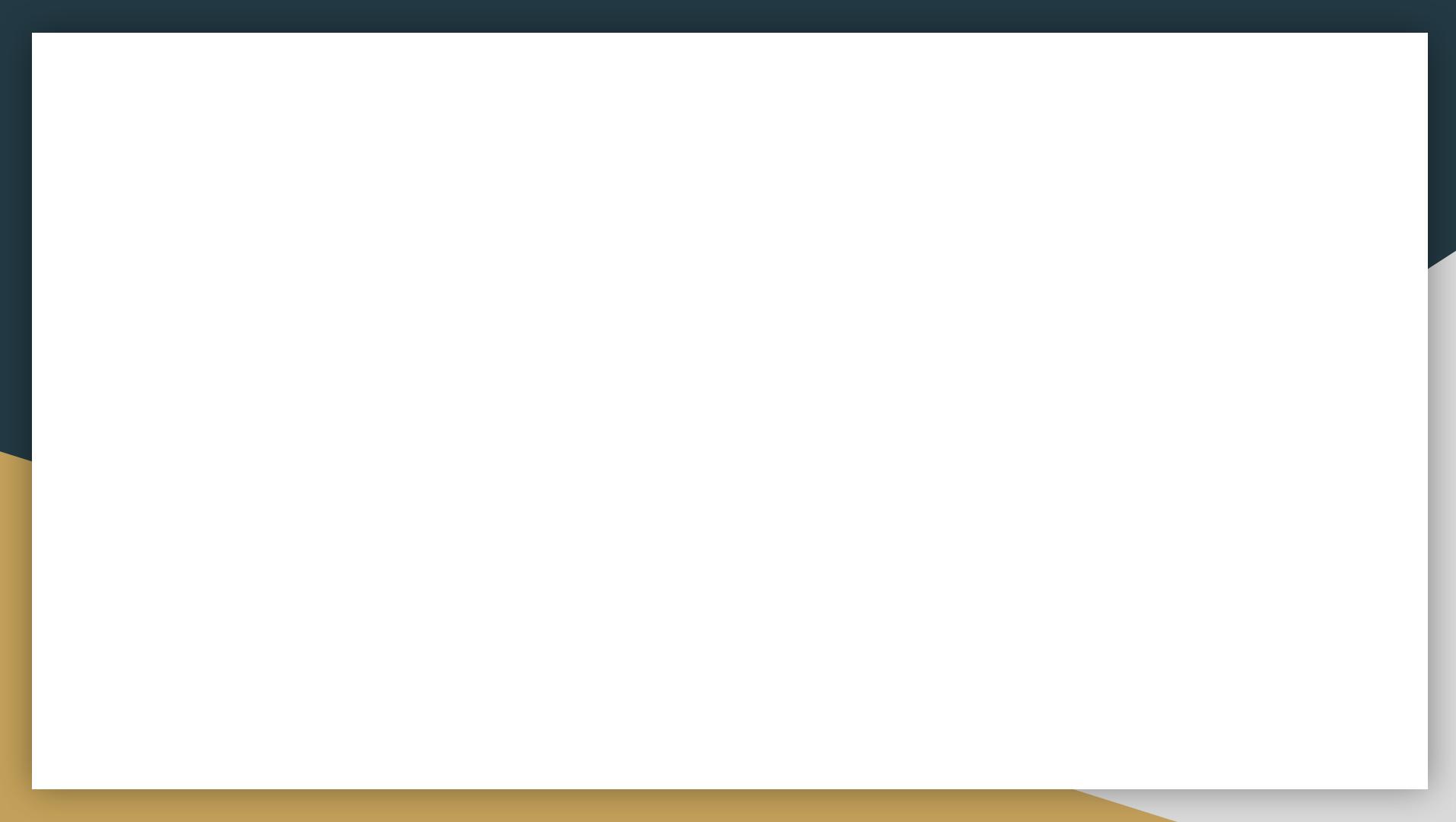
# Ventas por fechas

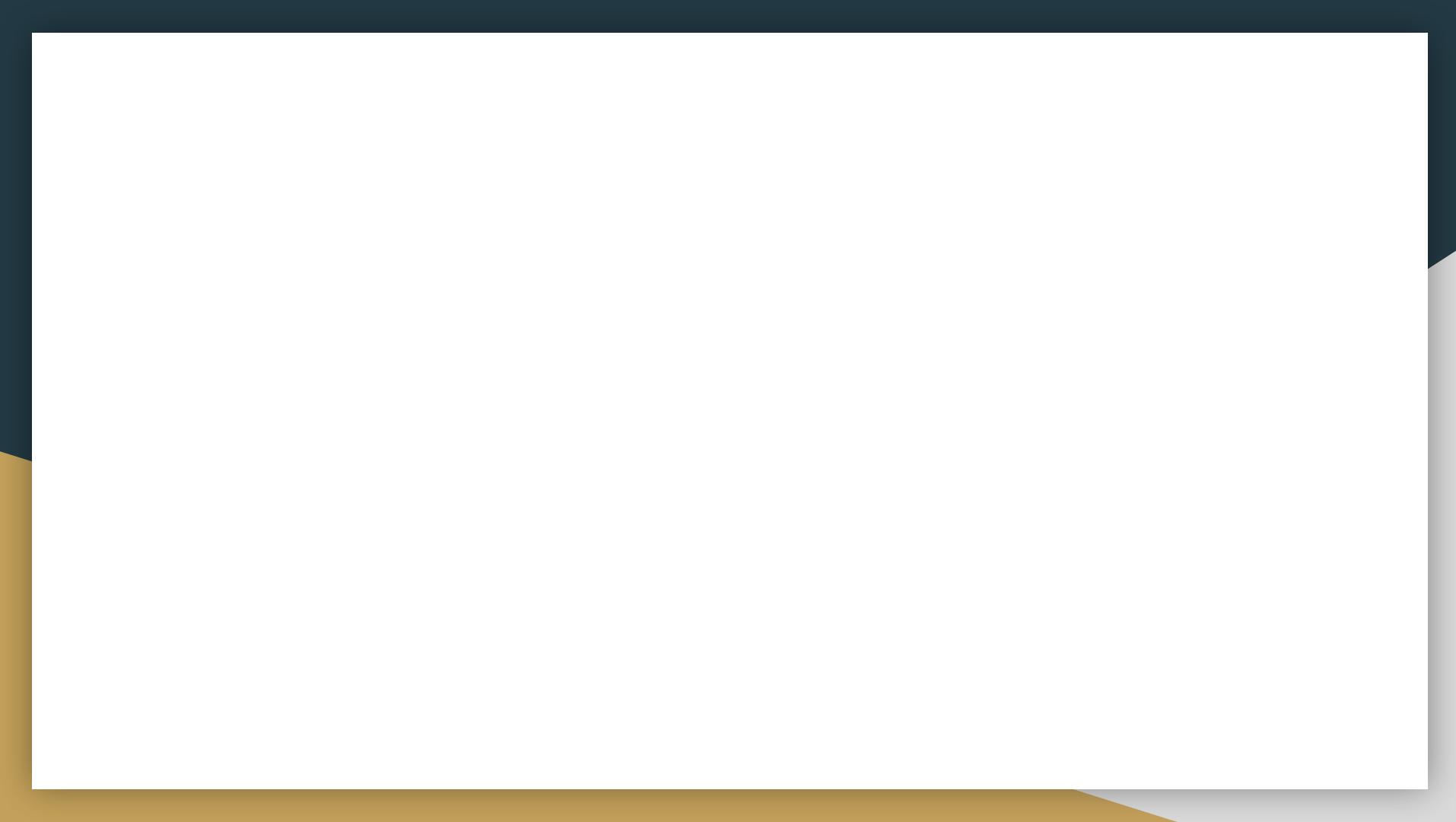


## Ventas por fechas

**Adicionar notas importantes**







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

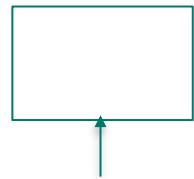
Listado - Empresas - vs - Sector - Región

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	29
		1110	TARIMAS Y PARQUETS GAMIZ SA	57
		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**



# Connect

Search for Data

Tableau Server

To a File

Microsoft Excel

Text file

JSON file

PDF file

Spatial file

Statistical file

More...

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

Connections

Export\_13-04-2020-EmpresasDetails  
JSON file

Files

- data.txt
- empresas\_ok\_1...268669120.txt
- Export\_13-04-2020-EmpresasDetails.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.

Schema Example Value

Schema	Example Value
Export_13-04-2020-EmpresasDetails	url http:// telephone +34 alternateName COFARES SOCIEDAD COOPERATIVA FARMA... taxID F28140119 description numberOfEmployees 0 foundingDate 01/01/1944 foundingLocation MADRID name COFARES SOCIEDAD COOPERATIVA FARMA... image nif-28140119.gif?v=1.01 isicV4 PRODUCTOS FÁRMACOS / MEDICAMENTOS logo nif-28140119.gif?v=1.01 _id ...

1 schema level selected

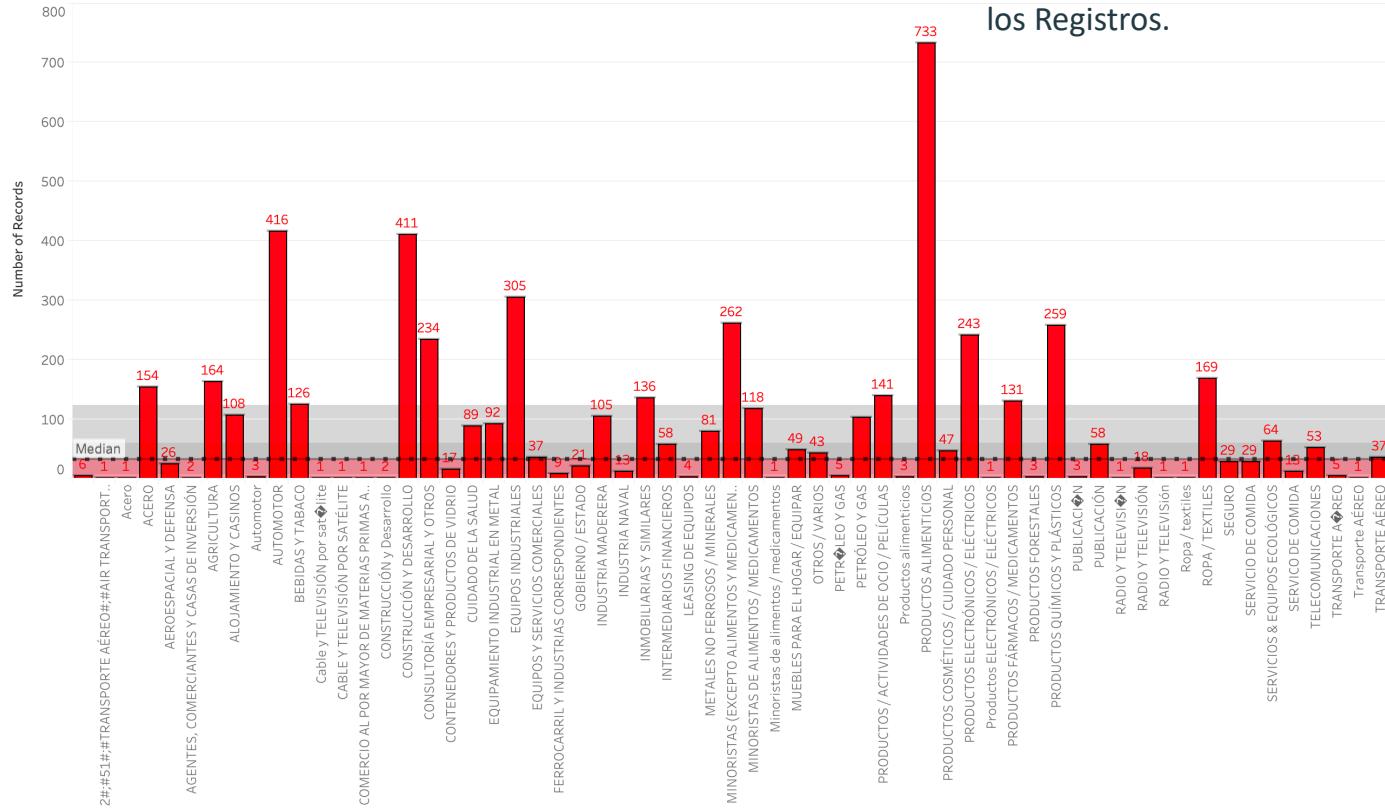
Cancel OK

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

#	Abc Export_13-04-2020-EmpresasDetails.json Document Index (...)	Abc Export_13-04-2020-EmpresasDetails.json Alternate Name	Abc Export_13-04-2020-EmpresasDetails.json Description	Abc Export_13-04-2020-EmpresasDetails.json Founding Date	Abc Export_13-04-2020-EmpresasDetails.json Founding Location	Abc Export_13-04-2020-EmpresasDetails.json Image	Abc Export_13-04-2020-EmpresasDetails.json isicV4	Abc Export_13-04-2020-EmpresasDetails.json Logo	Abc Export_13-04-2020-EmpresasDetails.json Name	Abc Export_13-04-2020-EmpresasDetails.json Number Of Employees
1	COFARES SOCIEDAD COOPERO...			01/01/1944	MADRID	nif-28140119.gif?v=...	PRODUCTOS FÁRMA...	nif-28140119.gif?v=...	COFARES SOCIEDAD ...	0
2	VOLKSWAGEN NAVARRA SA	Bienvenido a la Página...		28/12/1993	NAVARRA	nif-31472459.gif?v=...	AUTOMOTOR	nif-31472459.gif?v=...	VOLKSWAGEN NAVA... RA SA	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... D SPACE	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... ON SL	8
6	MICHELIN ESPAÑA PORTUG...			03/09/1932	MADRID	nif-20003570.gif?v=...	AUTOMOTOR	nif-20003570.gif?v=...	MICHELIN ESPAÑA P... ORTUGAL	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... ICA SA	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... LIZACION SL	0
9	RENAULT ESPAÑA COMERCI...			01/12/1993	VALLADOLID	nif-47329180.gif?v=...	AUTOMOTOR	nif-47329180.gif?v=...	RENAULT ESPAÑA CO... MERCIALIZACION SL	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... ES DIGITAL SL	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... AS INTERNACIONALES SL	3.546
16	IBERDROLA SA			19/07/1901	VIZCAYA	nif-48010615.gif?v=...	UTILITIES / SERVICIO...	nif-48010615.gif?v=...	IBERDROLA SA	740

## Actividades Económicas

isicV41

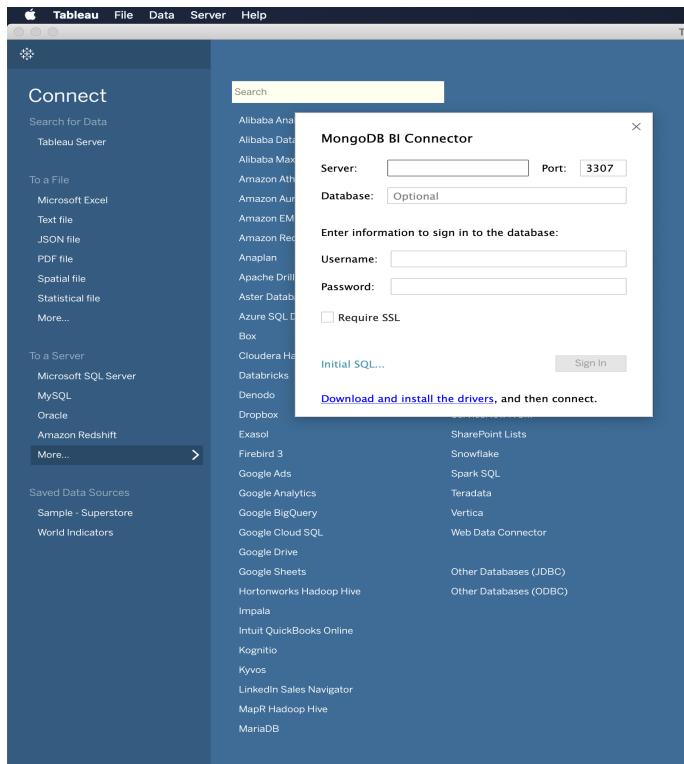


Para crear un histograma e identificar las Actividades Económicas que hay almacenadas, en la Totalidad de los Registros.

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]