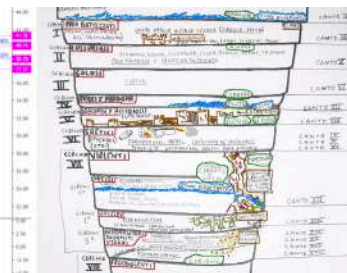
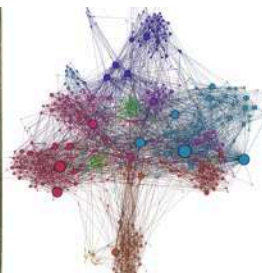


```
# for details, see https://review.docs.microsoft.com/en-us/visualstudio/ctvs/sql-server
# Test code
library(RODBC)
channel <- odbcDriverConnect(dbConnection)
InputDataSet <- sqlQuery(channel, iconv(paste(readlines(
  'c:/proj/rproject1/rproject1/storedprocedure.query.sql',
  encoding = 'UTF-8', warn = FALSE), collapse = '\n'), from = 'UTF-8',
  to = 'ASCII', sub = ''))
odbcClose(channel)
OutputDataSet <- InputDataSet
```



# Carto DB

Giovanni Pietro Vitali – University College Cork

[giovannipetrovitali@gmail.com](mailto:giovannipetrovitali@gmail.com)

<https://github.com/digitalkoine>

<https://ucc-ie.academia.edu/GiovanniPietroVitali>



**ucc**

Coláiste na hOllscoile Corcaigh, Éire  
University College Cork, Ireland

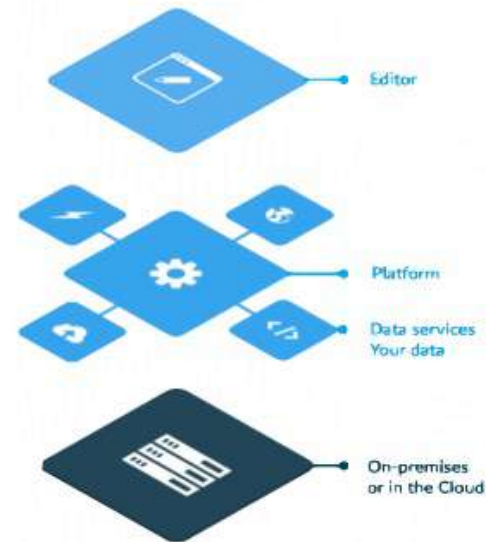
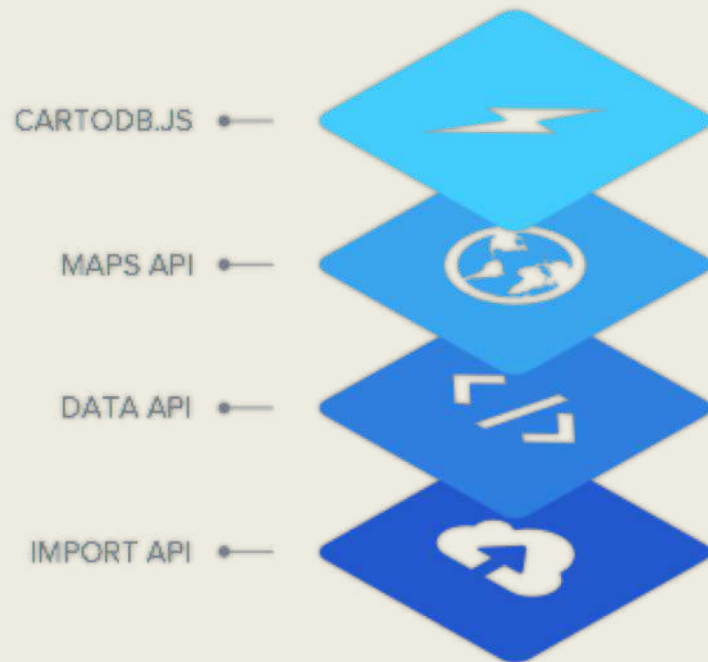




# Carto

<https://carto.com/>

The most complete and versatile online mapping tool



## Components

1. Editor

2. Platform

1. SQL API

2. Maps API

3. CartoDB.js

# What can I do with Carto?





# Pop-Up



<http://bit.ly/2C4Yyp1>

POLITICAL MUSIC



# LiveSlides web content

To view

**Download the add-in.**

[liveslides.com/download](https://liveslides.com/download)

**Start the presentation.**



# Colors



<http://bit.ly/2M0hlqo>

WWII MASSACRES



## LiveSlides web content

To view

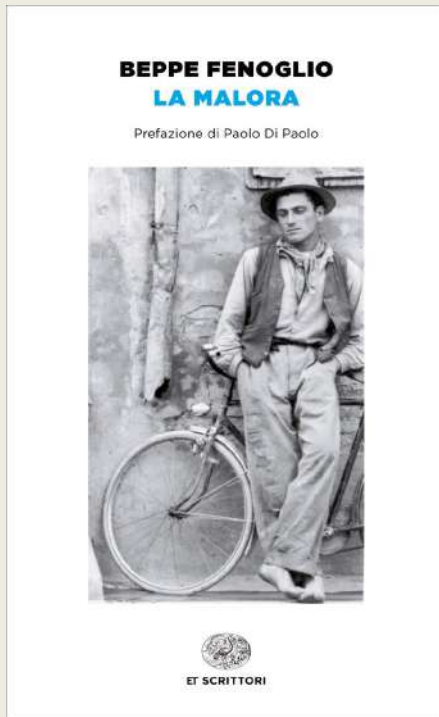
**Download the add-in.**

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# Time Line



BEPPE FENOGLIO (1922-1963)

<http://bit.ly/2Rgu5Ps>

NARRATIVE ANALYSIS







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# Carte con più livelli



<http://bit.ly/2Jf7Ncw>

STREET ART IN ROME



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# Carto

CARTO

Giovanni Vitali / Maps ▾

GUIDES

DOCUMENTATION



SEARCH

2



NEW MAP



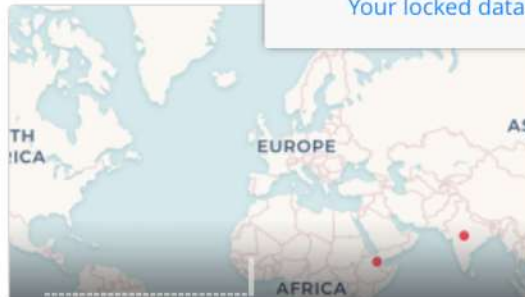
Your maps

Your datasets



Your locked maps

Your locked datasets



prova map 1

Add description...

Add tags...

PUBLIC

4 hours ago



prova map

Add description...

Add tags...

PUBLIC

4 hours ago



wkgp5bqhhushom map

Add description...

Add tags...

PUBLIC

2 days ago







# First working environment: DATASET

**CART** Giovanni Vitali / Datasets ▾ GUIDES DEVELOPERS

SEARCH 56 DATASETS LIKED DATA LIBRARY

NEW DATASET



	carmen_by_prosper_me_rime_e_ <a href="#">Add description...</a>	PUBLIC	300 kB	21 Rows	2 days ago	<a href="#">Add tags...</a>
	the_road_so_far <a href="#">Add description...</a>	PUBLIC	44 kB	81 Rows	a month ago	<a href="#">Add tags...</a>
	table_05_tabella_fourthdraft_xlsx <a href="#">Add description...</a>	PUBLIC	256 kB	1,409 Rows	2 months ago	<a href="#">Add tags...</a>
	dba_stragi <a href="#">Add description...</a>	PUBLIC	6 MB	5,540 Rows	3 months ago	<a href="#">Add tags...</a>

With  
one  
click

Control options

**CART** Giovanni Vitali / Datasets ▾ GUIDES DEVELOPERS

1 dataset selected Select all Duplicate dataset Create map Change privacy... Lock dataset... Delete dataset...

	carmen_by_prosper_me_rime_e_ <a href="#">Add description...</a>	PUBLIC	300 kB	21 Rows	2 days ago	<a href="#">Add tags...</a>
	the_road_so_far <a href="#">Add description...</a>	PUBLIC	44 kB	81 Rows	a month ago	<a href="#">Add tags...</a>

# Edit - DATASET

THEN

	A	B	C	D	E	F	G	H	I
1	Id	Lat	Lng	City	Country	Place	Time	Date	Activity
2	1	51,893667	-8,491157	Cork	Ireland	University College Cork	2018-09-01	From 1 September 2018	Research planning
3	2	53,348161	-6,290891	Dublin	Ireland	Ashling Hotel Dublin	2018-09-12	From 12 September 2018	Marie Curie meeting
4	3	51,893667	-8,491157	Cork	Ireland	University College Cork	2018-09-13	From 13 September 2018	Research planning
5	4	48,842269	2,34519	Paris	France	École normale supérieure	2018-10-02	From 2 September 2018	Teaching activity
6	5	45,486656	9,191356	Milan	Italy	Casa della Memoria	2018-10-10	From 10 October 2018	Archival research and beggining of internship
7	6	44,493676	11,333853	Bologna	Italy	Istituto per la storia e le memorie c	2018-10-12	From 12 October 2018	Archival research
8	7	44,646265	10,935846	Modena	Italy	Istituto storico della Resistenza e d	2018-10-13	From 13 October 2018	Archival research

LATER

the\_road\_so\_far

PUBLIC

Updated a month ago

cartodb_id ↑ number	the_geom geometry	id number	lat number	lng number	city string	country string	place string	time date	date string	activity string
1	-8.491157, 51.893667	1	51.893667	-8.491157	Cork	Ireland	University College Cork	2018-09-01T00:00:00Z	From 1 September 2018	Research planning
2	-6.290891, 53.348161	2	53.348161	-6.290891	Dublin	Ireland	Ashling Hotel Dublin	2018-09-12T00:00:00Z	From 12 September 20...	Marie Curie meeting
3	-8.491157, 51.893667	3	51.893667	-8.491157	Cork	Ireland	University College Cork	2018-09-13T00:00:00Z	From 13 September 20...	Research planning
4	2.34519, 48.842269	4	48.842269	2.34519	Paris	France	École normale supérie...	2018-10-02T00:00:00Z	From 2 September 2018	Teaching activity
5	9.191356, 45.486656	5	45.486656	9.191356	Milan	Italy	Casa della Memoria	2018-10-10T00:00:00Z	From 10 October 2018	Archival research and b...
6	11.333853, 44.493676	6	44.493676	11.333853	Bologna	Italy	Istituto per la storia e L...	2018-10-12T00:00:00Z	From 12 October 2018	Archival research
7	10.935846, 44.646265	7	44.646265	10.935846	Modena	Italy	Istituto storico della Re...	2018-10-13T00:00:00Z	From 13 October 2018	Archival research



CARTOGiovanni Vitali / Datasets


GUIDESDEVELOPERS

56 DATASETS

LIKED

DATA LIBRARY

NEW DATASET




carmen\_by\_prosper\_me\_rime\_e\_

PUBLIC

300 kB21 Rows2 days ago

Add description...

Add tags...




Add datasets

Select your datasets

# Upload a dataset

Upload a file or a URL

Paste a URL or select a file such as CSV, XLS, ZIP, KML, GPX, GPKG, FGDB, [see all formats](#)



Drag & drop your file

BROWSE

or

SUBMIT

☒ Let CARTO automatically guess data types and content on import.



CONNECT DATASET

# Second working environment - Maps



Giovanni Vitali / Maps ▾

[GUIDES](#)

[DEVELOPERS](#)



[SEARCH](#)

40 MAPS

[LIKED](#)



[NEW MAP](#)



Untitled Map

[Add description...](#)

[Add tags...](#)

[PUBLIC](#)

2 days ago



Last Letters - The road so far...

[Add description...](#)

[Add tags...](#)

[PUBLIC](#)

a month ago



Elementi citati in Vasco Pratolini

[Add description...](#)

[Add tags...](#)

[PUBLIC](#)

2 months ago



# Dopo un click sulla carta si apre un menù



Giovanni Vitali / Maps ▾

[GUIDES](#)

[DEVELOPERS](#)



1 map selected

[Select all](#)

[Change privacy...](#)

[Duplicate map](#)

[Lock map...](#)

[Delete map...](#)



Untitled Map

[Add description...](#)

[Add tags...](#)

**PUBLIC**

🕒 2 days ago



Last Letters - The road so far...

[Add description...](#)

[Add tags...](#)

**PUBLIC**

🕒 a month ago



Elementi citati in Vasco Pratolini

[Add description...](#)

[Add tags...](#)

**PUBLIC**

🕒 2 months ago







BACK



Untitled Map

Title

PUBLIC

Unpublished map

LAYERS (1/8) WIDGETS

+ ADD NEW LAYER



carmen\_by\_prosper...

0 ANALYSES 0 WIDGETS

A0 Source carmen\_by\_prosper\_me\_rime\_e\_



Voyager

BASEMAP

Dataset

basemap

Publish

PUBLISH

Maps



[← Back](#)

## Untitled Map

PUBLIC

UPDATE

Last updated a few seconds ago

After each change you have to update the map



### Get the link

Send to your friends, coworkers, or post it in your social networks.

<https://koine82.carto.com/builder/0bb63f3b-d668-41da-9257-...> [COPY](#)



### Embed it

Insert your map into your blog, website, or simple application.

[Get a simple URL.](#)

```
<iframe width="100%" height="520" frameborder="0" src="htt... COPY
```



Interested in sharing within your organization?

[Contact us](#) to try one of our Enterprise plans

DONE

Find  
The  
LINK

Base map

← Back / Basemap options

## Voyager by CARTO

### 1 Source

SELECT SOURCE

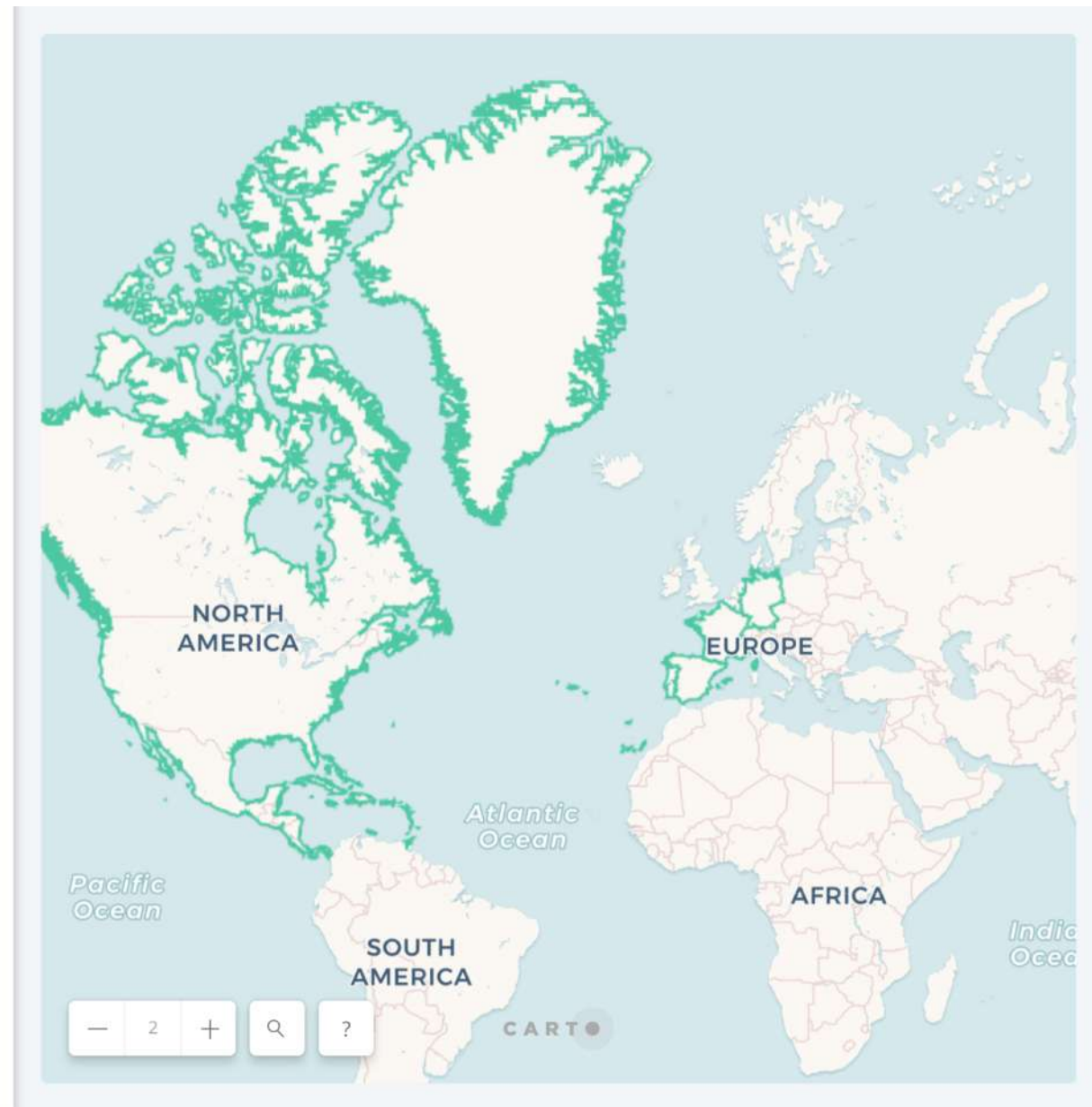


### 2 Style

VOYAGER



EACH SOURCE  
HAS DIFFERENT  
STYLES





← Back / Layer options

A

carmen\_by\_pros...

carmen\_by\_prosper\_me\_rime\_e\_

DATA

ANALYSIS

STYLE

POP-UP

LEGEND

1

Polygons style

CHANGE THE VISUALIZATION

POLYGON COLOR

☒ Solid

☐ By value

Select color

STROKE SIZE

1.5

STROKE COLOR

BLENDING

none

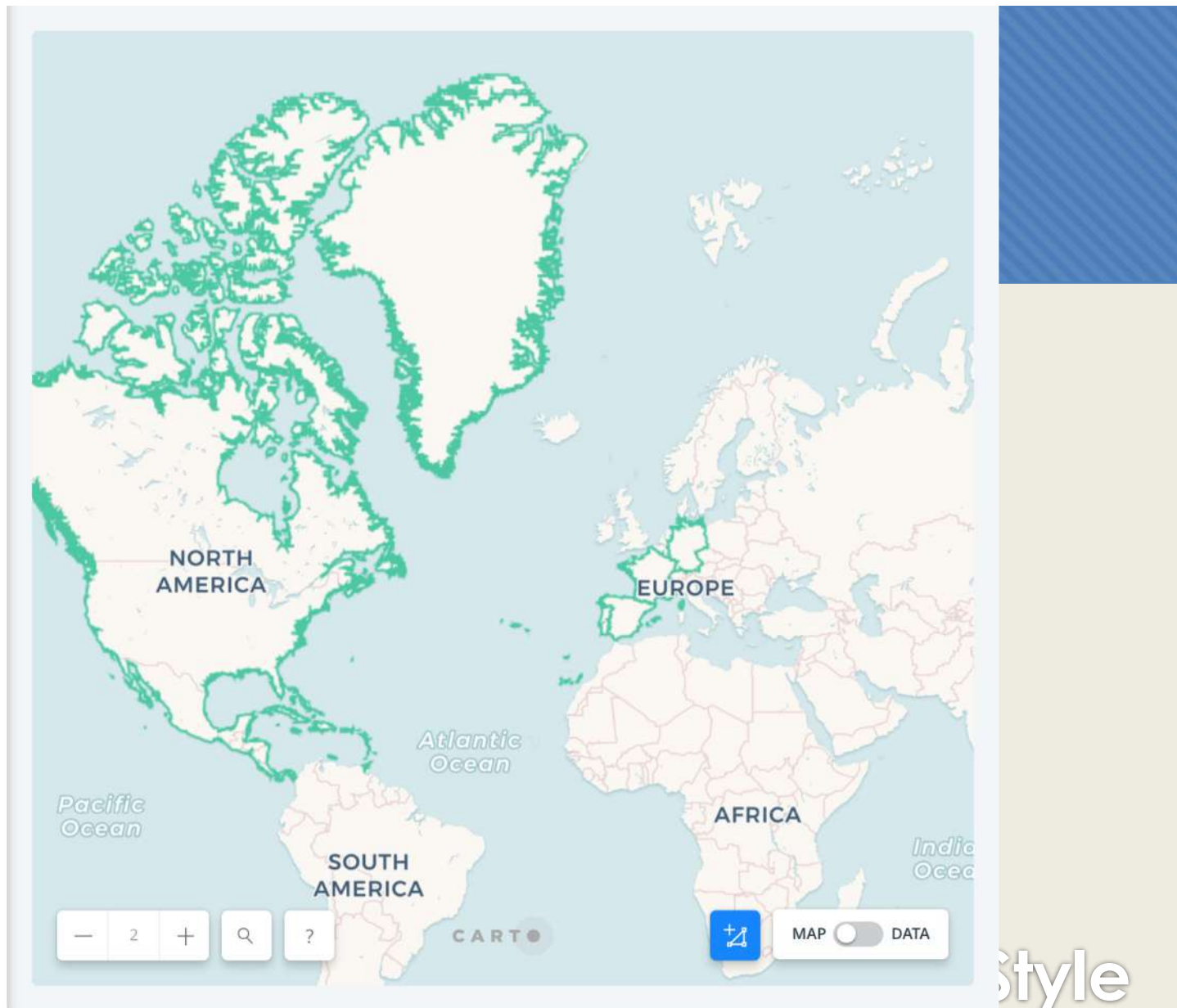
☐ LABELS

VALUES

☐

CARTOCSS

Accesso al CSS



# CSS

← Back / Layer options

**A** carmen\_by\_prosper\_me\_rim... ✖ :  
carmen\_by\_prosper\_me\_rime\_e\_

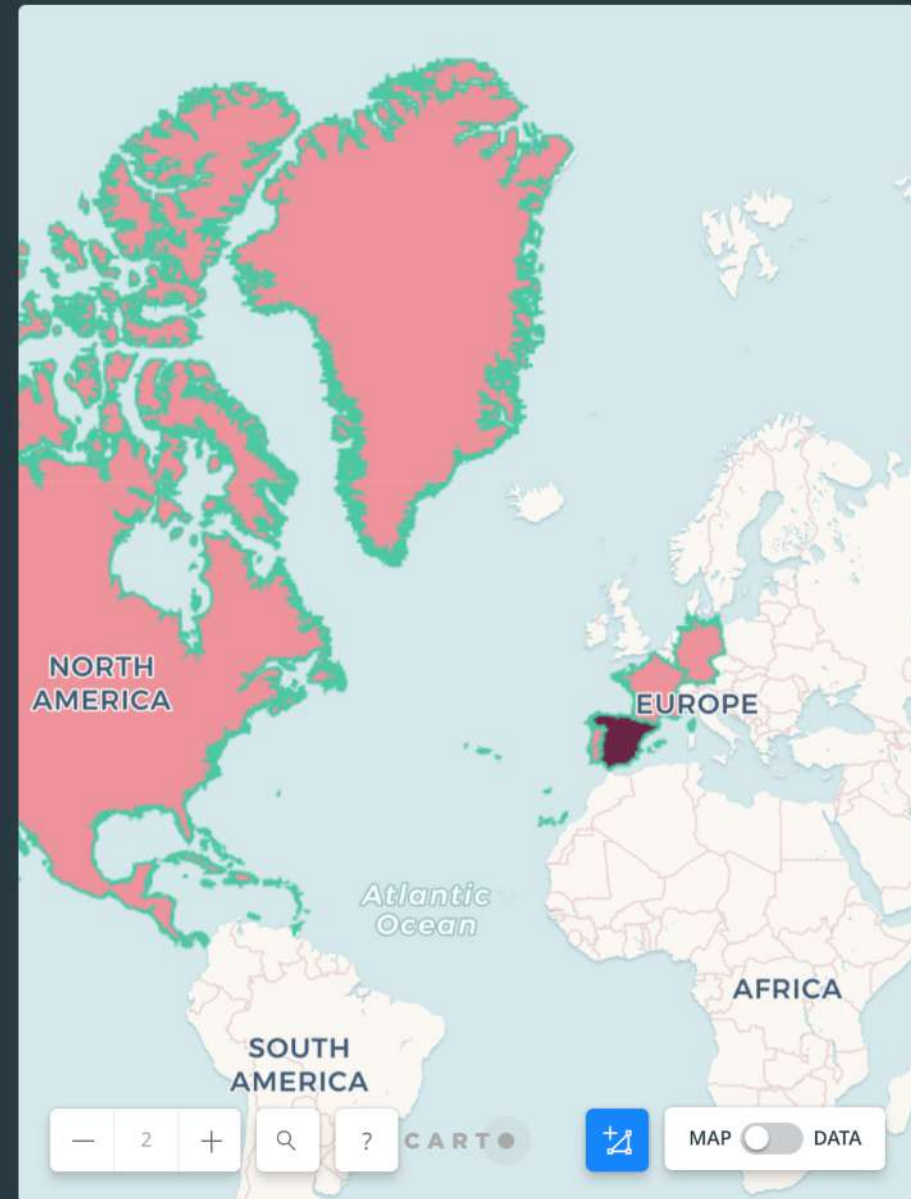
DATA ANALYSIS STYLE POP-UP LEGEND

```
1 #layer {  
2   polygon-fill: ramp([annotations], (#ffc6c4,  
3   #ee919b, #cc607d, #9e3963, #672044), quantiles);  
4 }  
5 #layer::outline {  
6   line-width: 1.5;  
7   line-color: #4CC8A3;  
8   line-opacity: 1;  
9 }
```

CMD + S to apply your styles.

VALUES ☒ CARTOCSS

↶ ↷ APPLY

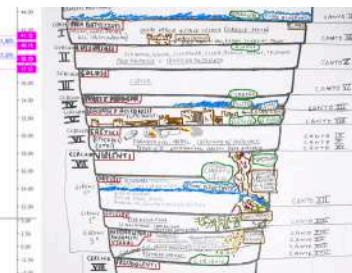
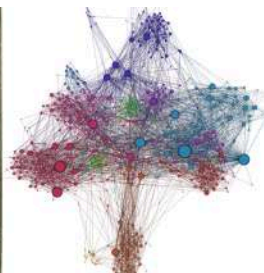


Pratice... Download the dataset

<http://bit.ly/346yp58>



```
# for details, see https://review.docs.microsoft.com/en-us/visualstudio/ctvs/sql-server
# Test code
library(RODBC)
channel <- odbcDriverConnect(dbConnection)
InputDataSet <- sqlQuery(channel, iconv(paste(readlines(
  'c:/proj/rproject1/rproject1/storedprocedure.query.sql',
  encoding = 'UTF-8', warn = FALSE), collapse = '\n'), from = 'UTF-8',
  to = 'ASCII', sub = ''))
odbcClose(channel)
OutputDataSet <- InputDataSet
```



# Carto DB

# \_end

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<https://github.com/digitalkoine>

<https://ucc-ie.academia.edu/GiovanniPietroVitali>



**ucc**

Coláiste na hOllscoile Corcaigh, Éire  
University College Cork, Ireland

