Power BI

Funzionalità di geoanalisi

Maps in Power BI

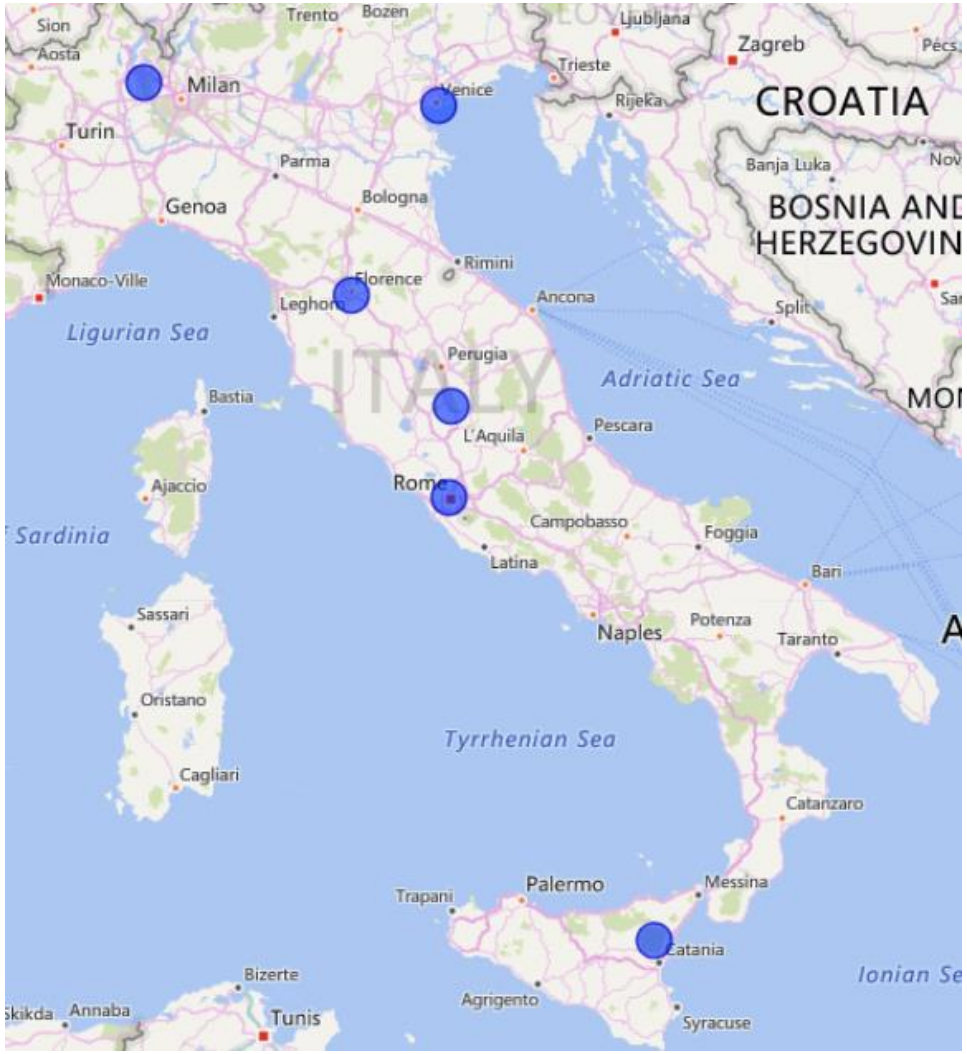
There are many ways to visualize something on Map in Power BI:

- Map Visual
- Filled Map Visual
- Custom Visuals – GlobeMap by Microsoft
- Shape Map Visual
- ArcGIS Map Visual

- Synoptic Panel by SQL BI

Bubble Maps 1/2

	Address	*
1	Ponte Milvio, Rome, Italy	
2	Piazza San Marco, Venice, Italy	
3	Malpensa Airport, Italy	
4	Piazzale Michelangelo, Florence, Italy	
5	Teatro San Carlo, Naples, Italy	
6	Etna, Italy	
*		



Bubble Maps 2/2

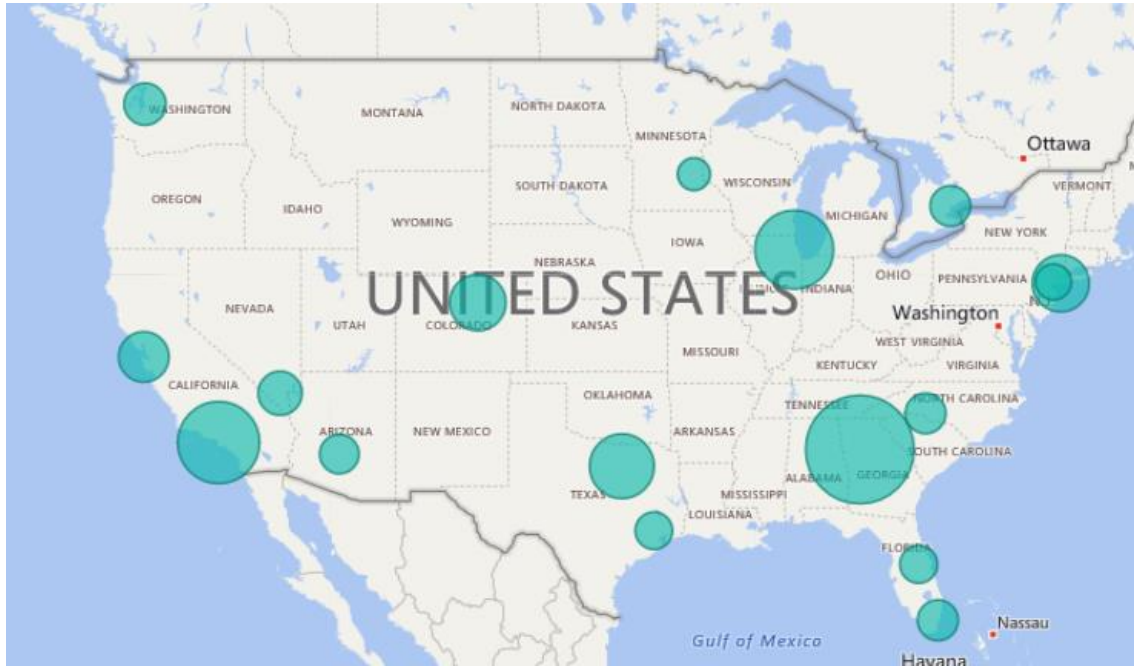
Top_world_airports.csv

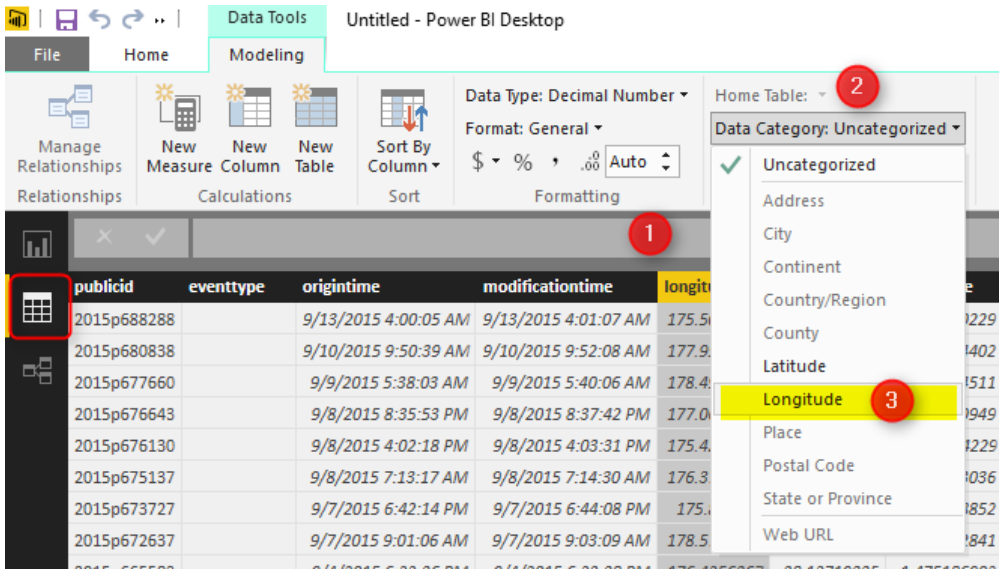
File Origin: 1252: Western European (Windows) | Delimiter: Semicolon | Data Type Detection: Based on first 200 rows

IATA_FAA	ICAO	AirportName	AirportCity	AirportCountry	Latitude	Longitude	Altitude
YYZ	CYYZ	Lester B Pearson Intl	Toronto	Canada	43,677223	-79,630556	569
FRA	EDDF	Frankfurt Main	Frankfurt	Germany	50,026421	8,543125	364
MUC	EDDM	Franz Josef Strauss	Munich	Germany	48,353783	11,786086	1487
LGW	EGKK	Gatwick	London	United Kingdom	51,148056	-0,190278	202
LHR	EGLL	Heathrow	London	United Kingdom	51,4775	-0,461389	83
AMS	EHAM	Schiphol	Amsterdam	Netherlands	52,308613	4,763889	-11
BCN	LEBL	Barcelona	Barcelona	Spain	41,297078	2,078464	12
MAD	LEMD	Barajas	Madrid	Spain	40,493556	-3,566764	2000
CDG	LFPG	Charles De Gaulle	Paris	France	49,012779	2,55	392
FCO	LIRF	Fiumicino	Rome	Italy	41,804475	12,250797	15
IST	LTBA	Ataturk	Istanbul	Turkey	40,976922	28,814606	163
MEX	MMMX	Licenciado Benito Juarez Intl	Mexico City	Mexico	19,436303	-99,072097	7316
DXB	OMDB	Dubai Intl	Dubai	United Arab Emirates	25,252778	55,364444	62
DOH	OTBD	Doha Intl	Doha	Qatar	25,261125	51,565056	35
TPE	RCTP	Taoyuan Intl	Taipei	Taiwan	25,077731	121,232822	106
NRT	RJAA	Narita Intl	Tokyo	Japan	35,764722	140,386389	141
HND	RJTT	Tokyo Intl	Tokyo	Japan	35,552258	139,779694	35
MNL	RPLL	Ninoy Aquino Intl	Manila	Philippines	14,508647	121,019581	75
BOM	VABB	Chhatrapati Shivaji Intl	Mumbai	India	19,088686	72,867919	37
HKG	VHHH	Hong Kong Intl	Hong Kong	Hong Kong	22,308919	113,914603	28

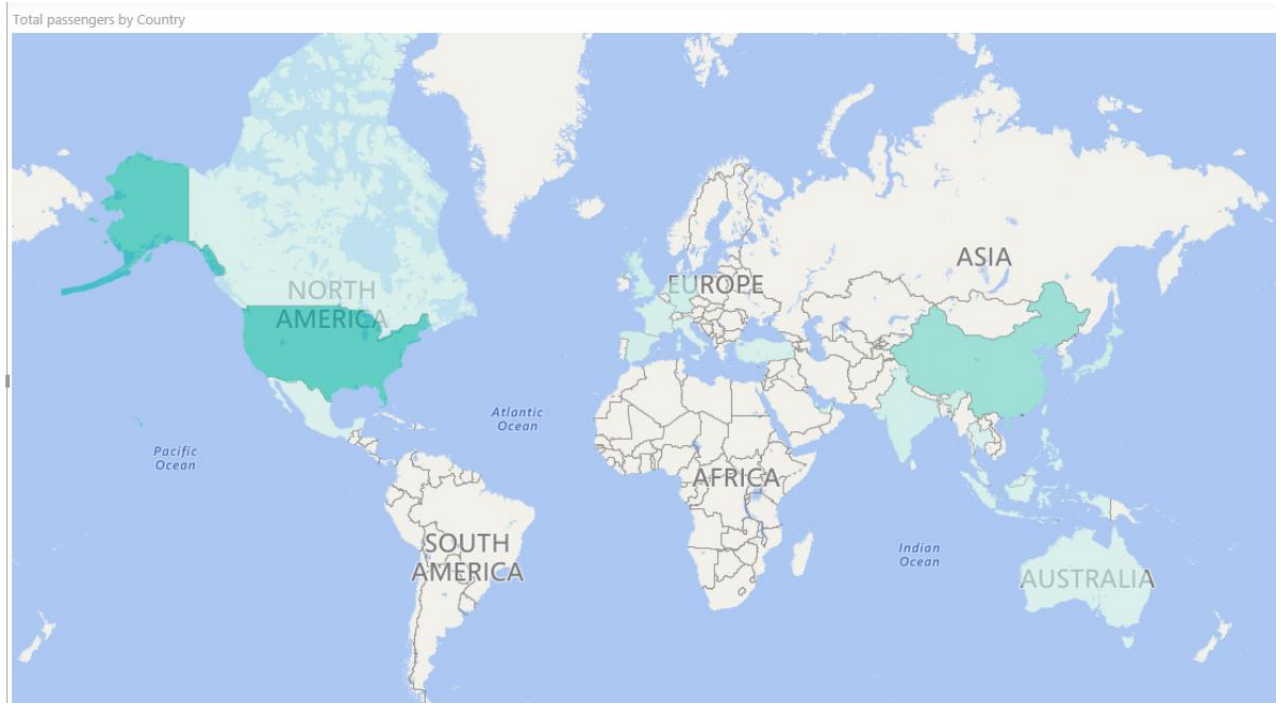
The data in the preview has been truncated due to size limits.

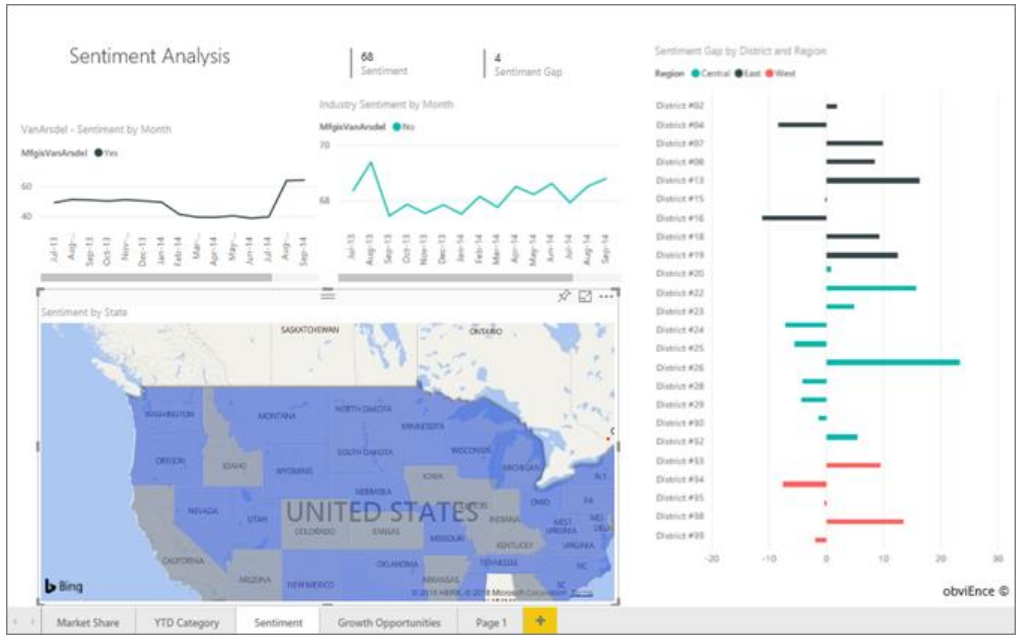
Skip files with errors | Load | Edit | Cancel

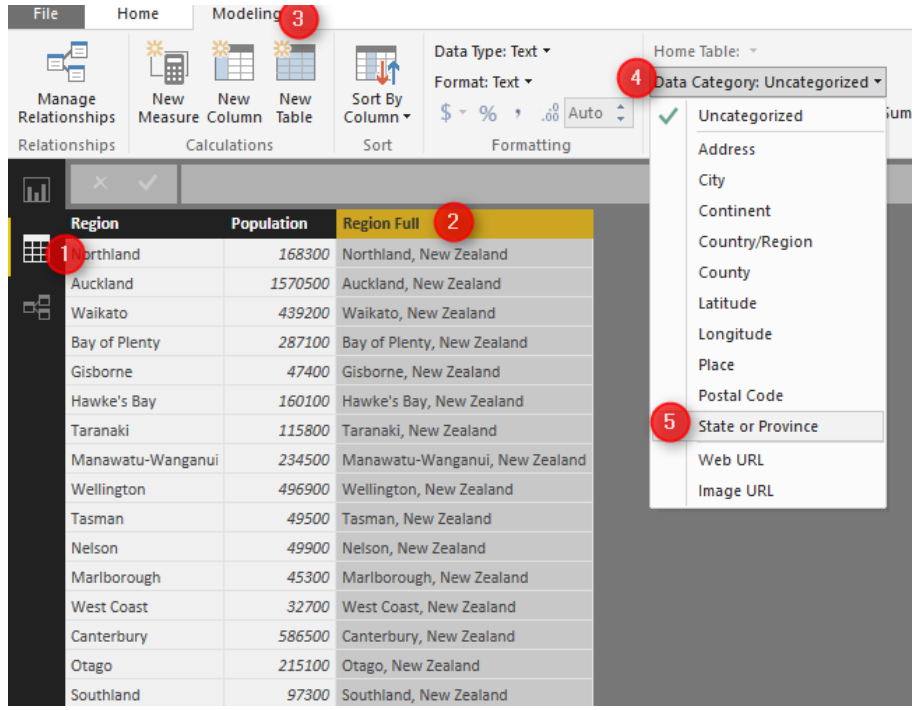




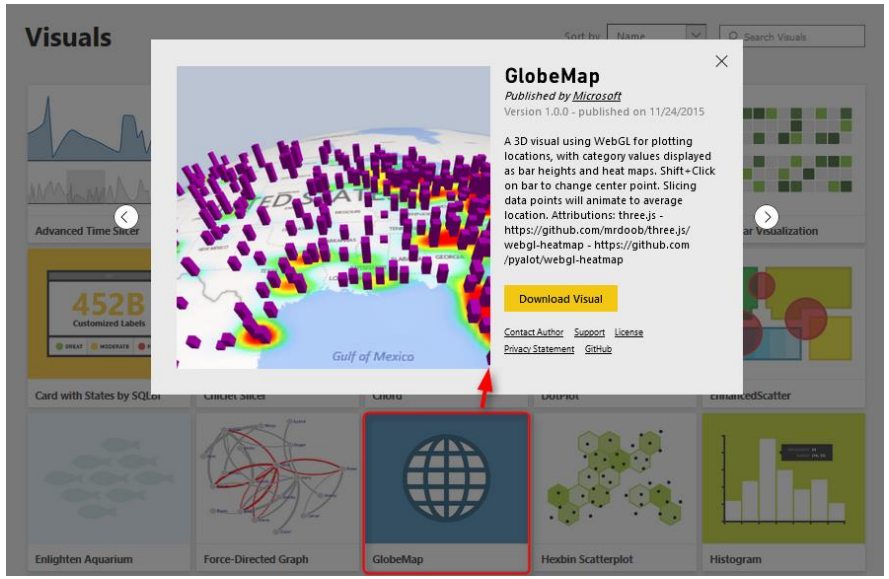
Filled Maps

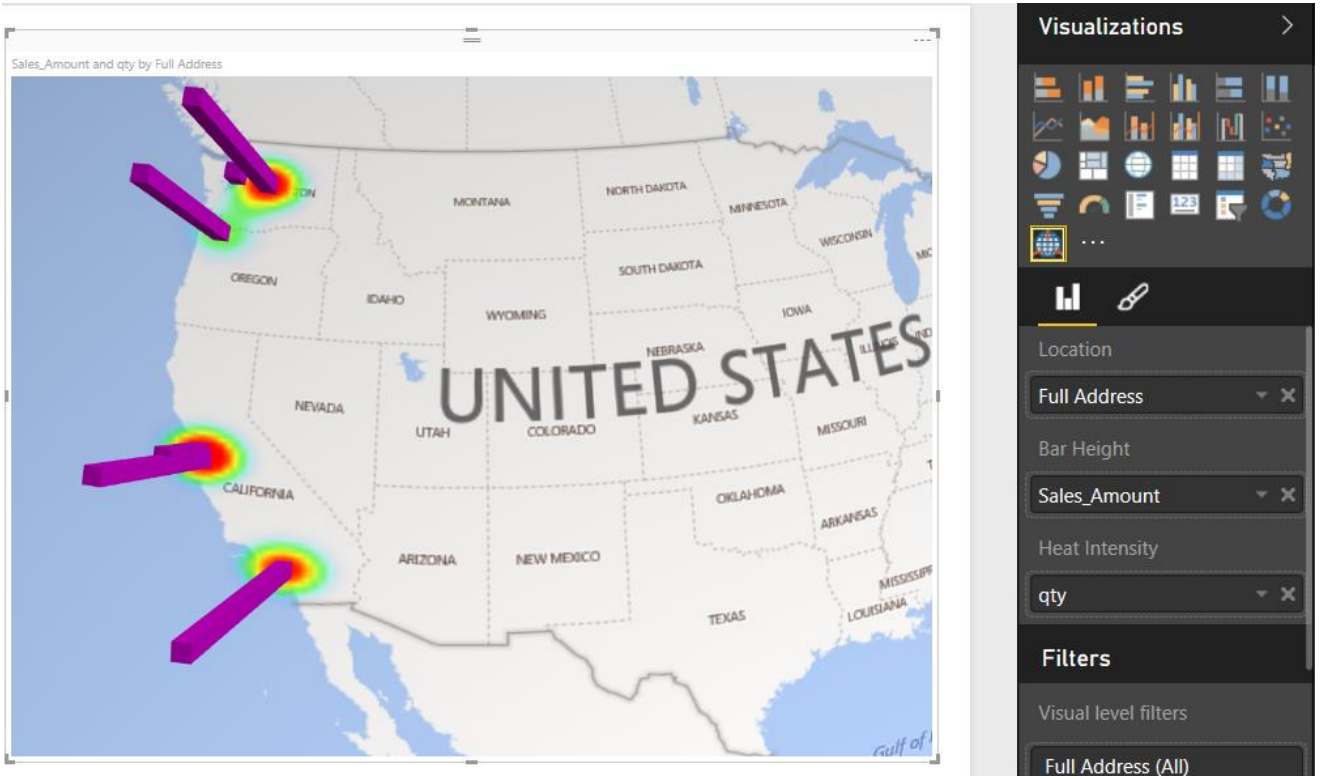

Total passengers by Country
NORTH AMERICA
EUROPE
ASIA
AFRICA
SOUTH AMERICA
AUSTRALIA
Atlantic Ocean
Pacific Ocean
Indian Ocean

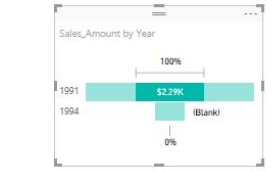

Sentiment Analysis
68
Sentiment
4
Sentiment Gap
Sentiment Gap by District and Region
Region Central East West
Industry Sentiment by Month
VanArsdel - Sentiment by Month
MfgisVanArsdel Yes
MfgisVanArsdel No
Sentiment by State
UNITED STATES
Bing
obviEnce ©
Market Share
YTD Category
Sentiment
Growth Opportunities
Page 1

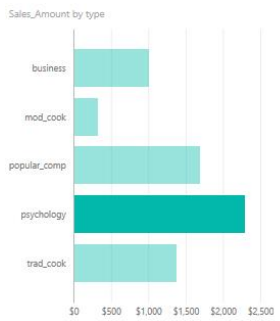

File
Home
Modeling
3
Manage Relationships
Relationships
New Measure
New Column
New Table
Calculations
Sort By Column
Sort
Data Type: Text
Format: Text
Auto
Formatting
Home Table:
4
Data Category: Uncategorized
Uncategorized
Address
City
Continent
Country/Region
County
Latitude
Longitude
Place
Postal Code
5
State or Province
Web URL
Image URL
1
2
Region
Population
Region Full
Northland 168300 Northland, New Zealand
Auckland 1570500 Auckland, New Zealand
Waikato 439200 Waikato, New Zealand
Bay of Plenty 287100 Bay of Plenty, New Zealand
Gisborne 47400 Gisborne, New Zealand
Hawke's Bay 160100 Hawke's Bay, New Zealand
Taranaki 115800 Taranaki, New Zealand
Manawatu-Wanganui 234500 Manawatu-Wanganui, New Zealand
Wellington 496900 Wellington, New Zealand
Tasman 49500 Tasman, New Zealand
Nelson 49900 Nelson, New Zealand
Marlborough 45300 Marlborough, New Zealand
West Coast 32700 West Coast, New Zealand
Canterbury 586500 Canterbury, New Zealand
Otago 215100 Otago, New Zealand
Southland 97300 Southland, New Zealand

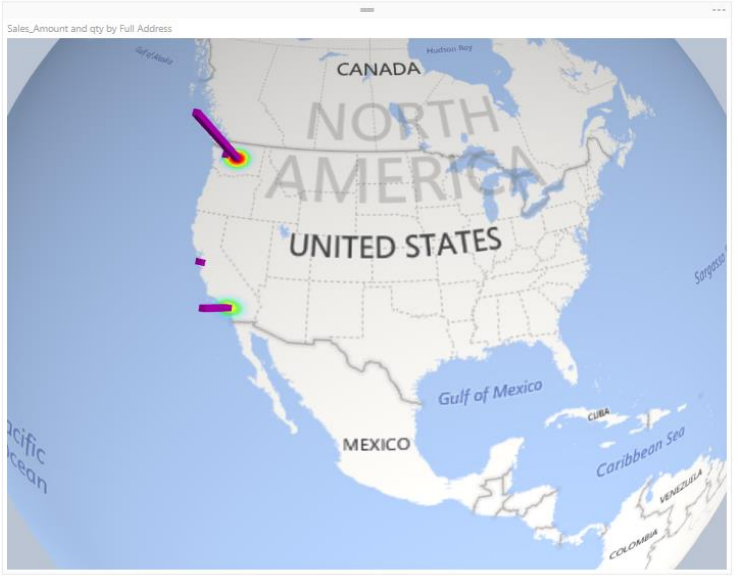
Globe Map


Visuals
GlobeMap
Published by Microsoft
Version 1.0.0 - published on 11/24/2015
A 3D visual using WebGL for plotting locations, with category values displayed as bar heights and heat maps. Shift+Click on bar to change center point. Slicing data points will animate to average location. Attributions: three.js - https://github.com/mrdoob/three.js/ webgl-heatmap - https://github.com /pyalot/webgl-heatmap
Download Visual
Contact Author Support License
Privacy Statement GitHub
Gulf of Mexico
Advanced Time Slicer
Card with States by SQLBI
Enlighten Aquarium
Force-Directed Graph
GlobeMap
Hexbin Scatterplot
Histogram

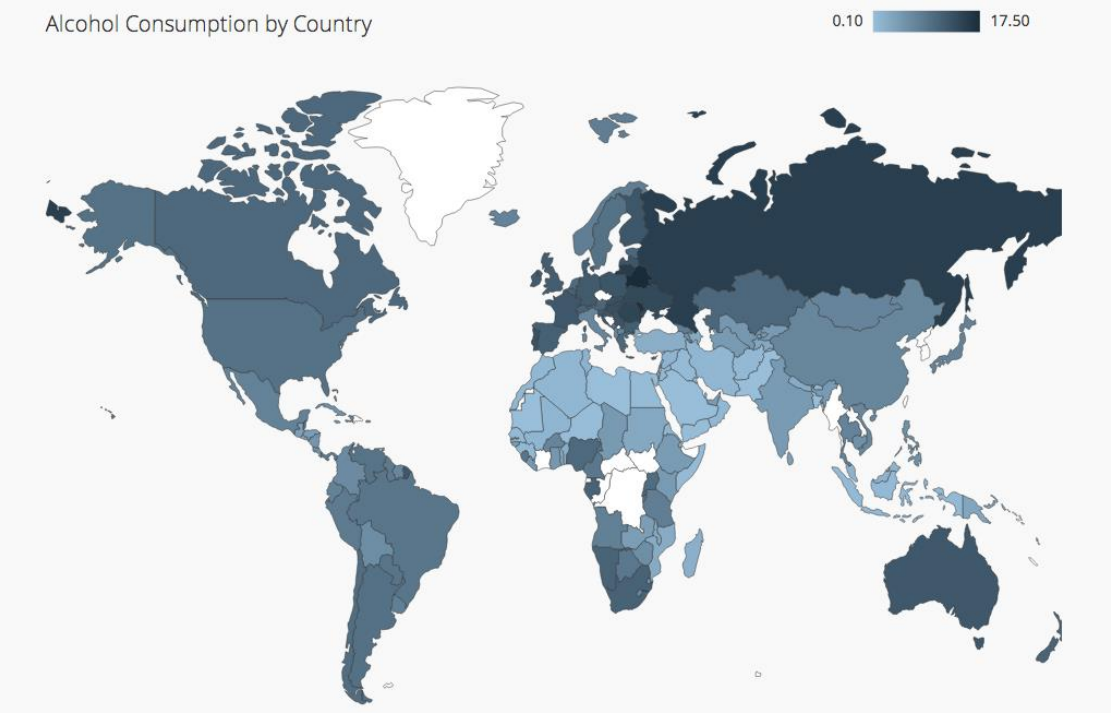

Sales_Amount and qty by Full Address
UNITED STATES
MONTANA
NORTH DAKOTA
MINNESOTA
OREGON
IDAHO
WYOMING
SOUTH DAKOTA
WISCONSIN
IOWA
NEBRASKA
NEVADA
UTAH
COLORADO
KANSAS
MISSOURI
CALIFORNIA
OKLAHOMA
ARKANSAS
ARIZONA
NEW MEXICO
TEXAS
LOUISIANA
Visualizations
Location
Full Address
Bar Height
Sales_Amount
Heat Intensity
qty
Filters
Visual level filters
Full Address (All)


Sales_Amount by Year
100%
1991
$2.29K
1994
(Blank)
0%


Sales_Amount by type
business
mod_cook
popular_comp
psychology
trad_cook
$0
$500
$1,000
$1,500
$2,000
$2,500

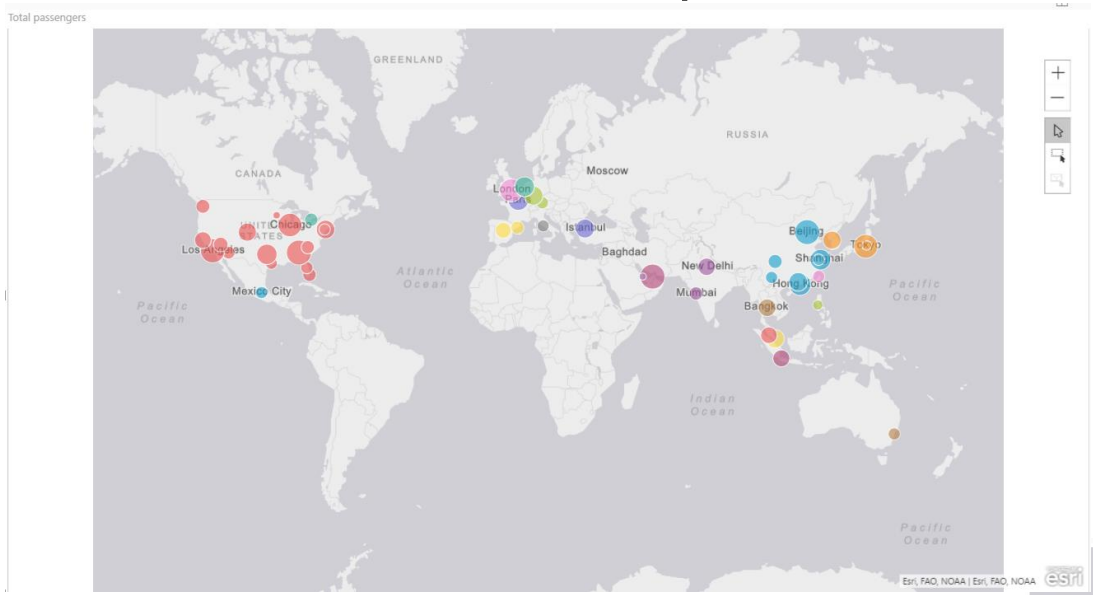

Sales_Amount and qty by Full Address
CANADA
NORTH AMERICA
UNITED STATES
Gulf of Mexico
MEXICO
CUBA
Caribbean Sea
VENEZUELA
COLOMBIA

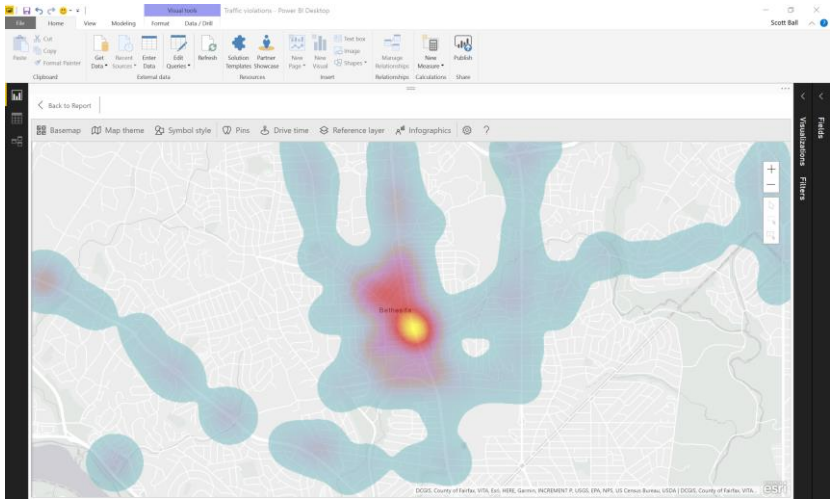
Shape Maps

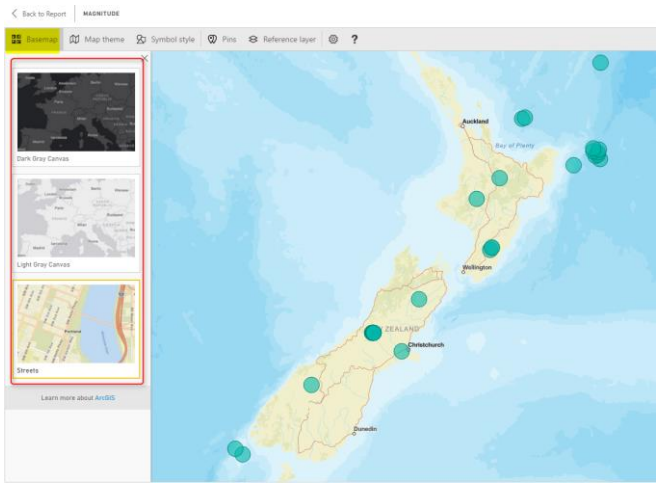

Alcohol Consumption by Country
0.10
17.50


Molise
Piemonte
Puglia
Sardegna
Sicilia
Toscana
Trentino-Alto Adige
Umbria
Valle d'Aosta
Veneto
Population by Code

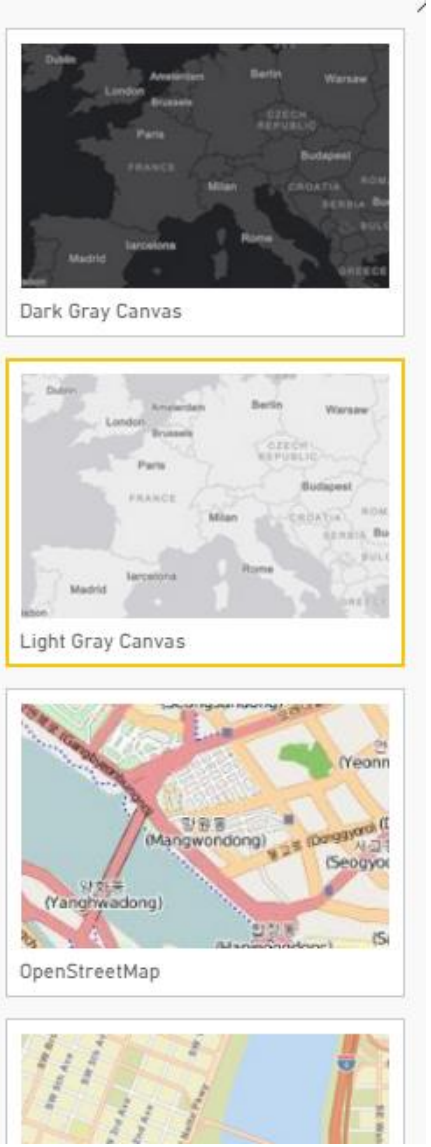
ArcGIS Maps


Total passengers
GREENLAND
RUSSIA
CANADA
Moscow
London
Paris
Istanbul
Baghdad
Beijing
Shanghai
Hong Kong
New Delhi
Mumbai
Bangkok
Chicago
Los Angeles
Mexico City
Atlantic Ocean
Pacific Ocean
Indian Ocean
Esri, FAO, NOAA | Esri, FAO, NOAA
esri

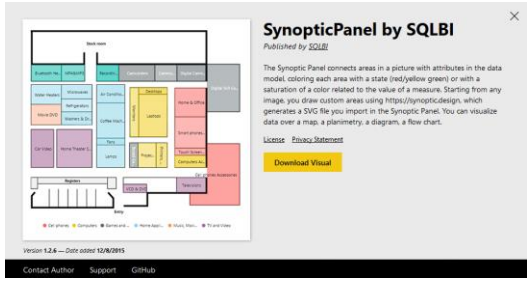

Visualizations
Filters
Fields


Dark Gray Canvas
Light Gray Canvas
Streets
Auckland
Wellington
Christchurch
Dunedin

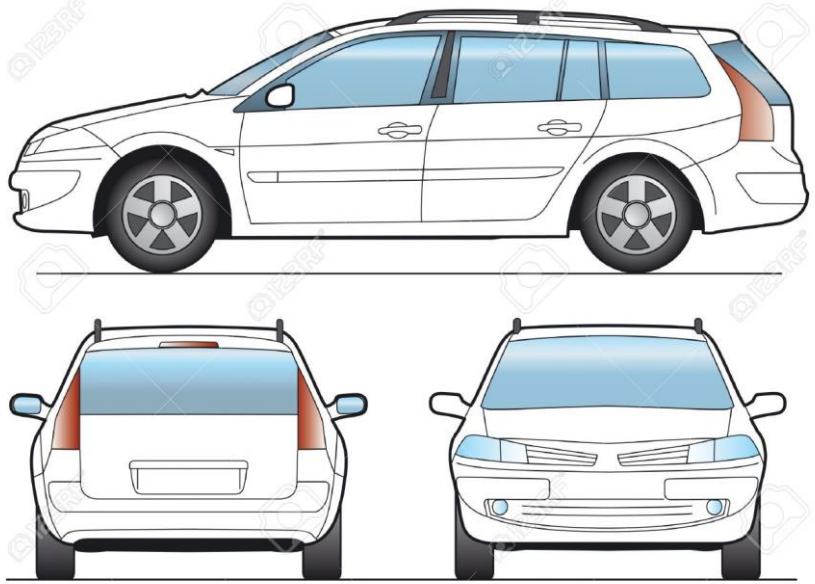

GREENLAND
RUSSIA
CANADA
Moscow
Istanbul
Baghdad
Beijing
Shanghai
New Delhi
Mumbai
Bangkok
Chicago
Los Angeles
Mexico City
Atlantic Ocean
Pacific Ocean
Indian Ocean
Esri, FAO, NOAA | Esri, FAO, NOAA
esri

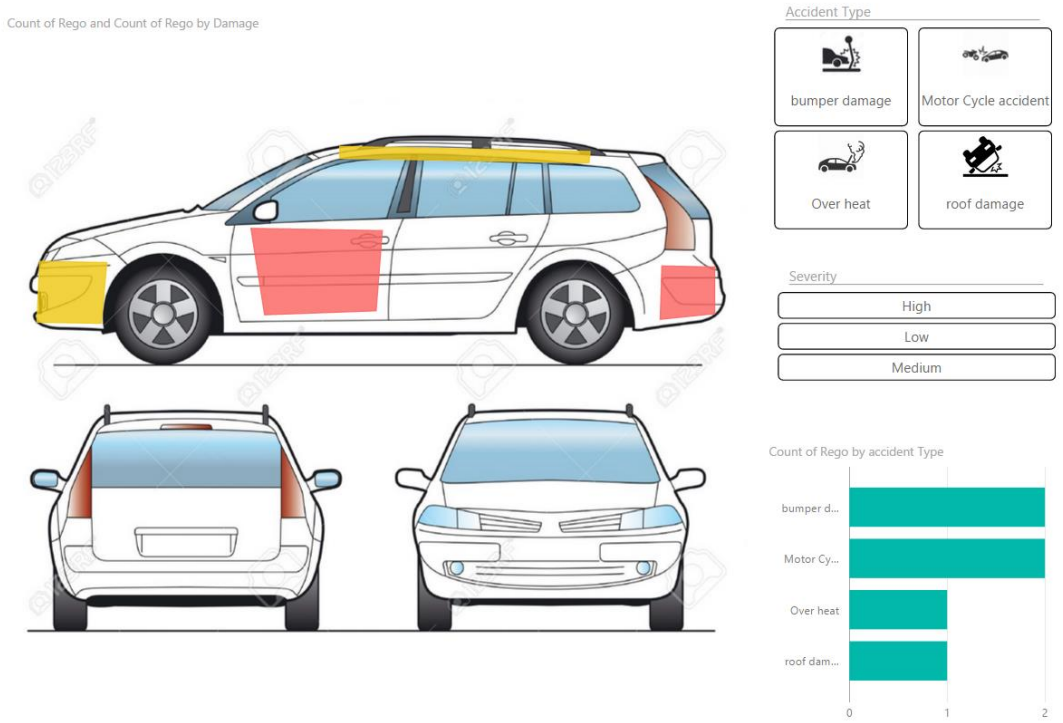

Dark Gray Canvas
Light Gray Canvas
OpenStreetMap

Synoptic Panel by SQL BI



Date	Rego	Damage	Severity	accident Type
1/15/2015	wht345	roof	High	roof damage
6/25/2015	dsg562	bumper	Low	bumper damage
12/10/2015	lkn282	door	Low	Motor Cycle accident
10/23/2015	HGB345	front bumper	Medium	Over heat
12/12/2015	lkn265	door	Low	Motor Cycle accident
3/25/2015	dsg545	bumper	Low	bumper damage
10/23/2015	HGB345	front bumper	Medium	Over heat
12/12/2015	lkn265	bumper	Low	Motor Cycle accident
3/25/2015	dsg545	bumper	Low	bumper damage





Power BI & Bing

Power BI si integra con Bing per fornire coordinate della mappa predefinite (geocodifica)

Quando si crea una visualizzazione mappa nel servizio Power BI o Power BI Desktop, i dati contenuti nei bucket Posizione, Latitudine e Longitudine (usati per creare tale visualizzazione) vengono inviati a Bing

L'utente, o l'amministratore, potrebbe dover aggiornare il firewall per consentire l'accesso agli URL usati da Bing per la geocodifica

Questi URL sono:

- https://dev.virtualearth.net/REST/V1/Locations
- https://platform.bing.com/geo/spatial/v1/public/Geodata
- https://www.bing.com/api/maps/mapcontrol