

Curso de Data Analytics con Power BI

Extra de la Segunda Clase

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Power BI



Documentos con los que vamos a trabajar

Archivo de aeropuertos

Datasets/World Things

del [repositorio del curso](#)



Country

All

Mean APC

32.48

Airports Q

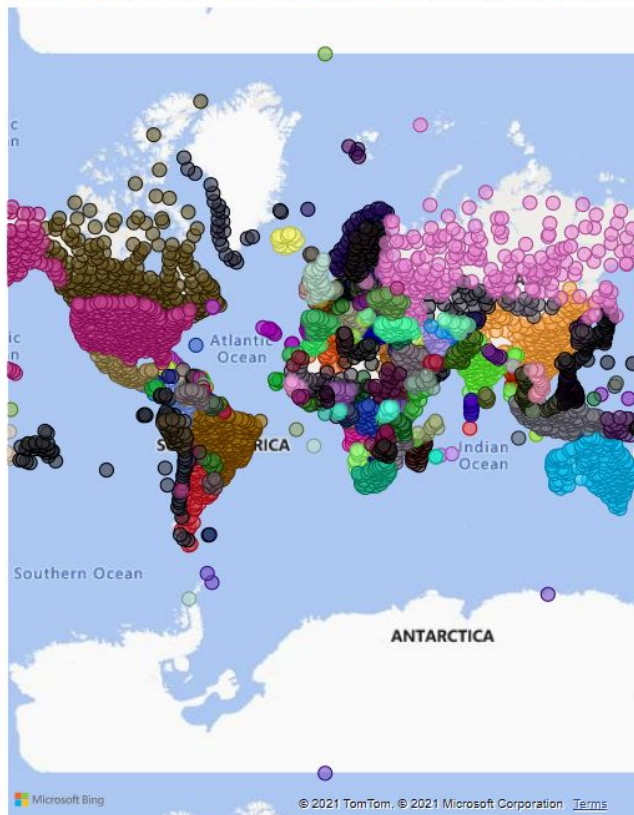
7698

Country

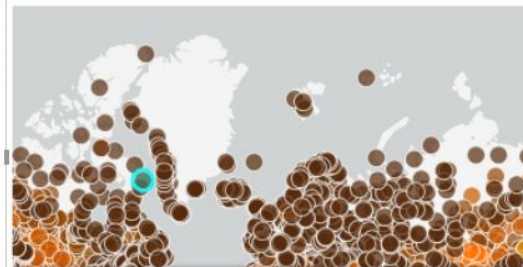


Country, Lat and Long

Country ● Afghanistan ● Albania ● Algeria ● American Samoa ● Angola ▶



Altitude by Lat, Long, ICAO, IATA, City and Country



Lat	67.55
Long	-64.03
ICAO	CVVM
IATA	YVM
City	Broughton Island
Country	Canada
Altitude	21



Data Cleansing



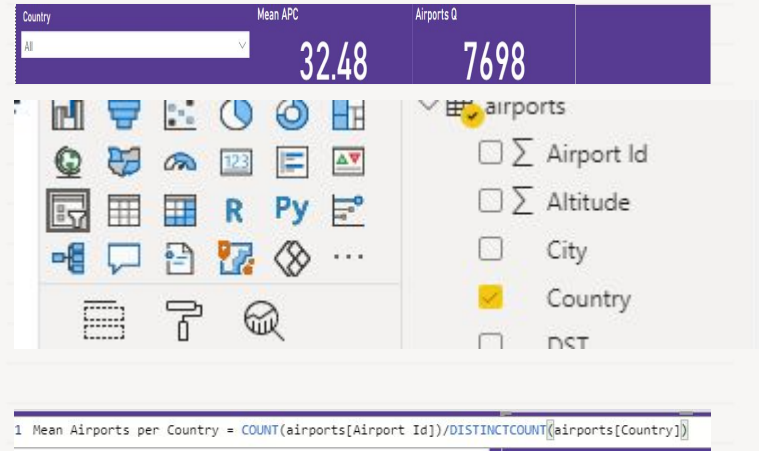
- ★ Chequeamos que los tipos de dato sean los correctos
- ★ Reemplazamos los errores de Timezone por -1000 (o algún otro valor invalido).
- ★ Reemplazamos los \N de IATA e ICAO por un string vacío

Ranking	Name	City	Country	IATA	ICAO	Lat	Long
1	Goroka Airport	Goroka	Papua New Guinea	OGS	ATGA	-6.08169935	145.3919991
2	Madang Airport	Madang	Papua New Guinea	MDG	AUMD	-5.207079887	145.7890016
3	Mount Hagen Wapamupa Airport	Mount Hagen	Papua New Guinea	HGO	AUMH	-6.024799886	144.2960052
4	Metab Airport	Metab	Papua New Guinea	LAE	AUMI	-4.5468002	146.128977
5	Port Moresby Jacksons International	Port Moresby	Papua New Guinea	POM	AUPP	-9.443330286	147.2200012
6	Mewak International Airport	Mewak	Papua New Guinea	MWK	AUMK	-3.58333118	143.6890063
7	Herzogenburg Airport	Herzogenburg	Greenland	HUP	BGHH	61.10499967	-48.4299969
8	Godthaab / Nuuk Airport	Godthaab	Greenland	GOH	BGGR	64.1909971	-61.6761059
9	Kangerlussuaq Airport	Søndrestrøm	Greenland	SFJ	BGSP	67.0122219	-50.7140314
10	Thule Air Base	Thule	Greenland	THU	BGTL	74.0113899	-66.70301129
11	Akureyri Airport	Akureyri	Iceland	AEY	BIAA	66.46000266	-18.0797000
12	Egilsstaðir Airport	Egilsstaðir	Iceland	EGS	BIRG	66.03300231	-14.40139961
13	Bornafjörður Airport	Höfn	Iceland	BFO	BIRH	64.295001	-16.2277
14	Ísafold Airport	Ísafold	Iceland	ISF	BIRI	66.063001	-17.460001
15	Ísafjörður Airport	Ísafjörður	Iceland	IFJ	BIRJ	64.0890784	-23.13529968
16	Reiðavík International Airport	Reiðavík	Iceland	REI	BIRP	63.08900461	-22.65600036
17	Þorvaldurðóttir Airport	Þorvaldurðóttir	Iceland	PFJ	BIRB	65.009001	-23.300
18	Reykjavík Airport	Reykjavík	Iceland	RVK	BIRK	64.12999708	-21.94699944
19	Siglufjörður Airport	Siglufjörður	Iceland	SJF	BISJ	66.133001	-16.9167
20	Vestmannaeyjar Airport	Vestmannaeyjar	Iceland	VEY	BIVM	63.42400115	-20.27590015
21	St. John's Water Airport	St. John's Water	Canada	YWM	CTSM	66.05500061	-64.05099861
22	Winnipeg / St. Andrews Airport	Winnipeg	Canada	YWG	CTAW	50.0840003	-97.03260124
23	Halifax / CFB Shearwater Airport	Halifax	Canada	YHZ	CTMH	44.629702	-63.499401
24	St. Anthony Airport	St. Anthony	Canada	YAS	CTAT	51.30139911	-66.03599929
25	Tofino / Long Beach Airport	Tofino	Canada	YAL	CTAL	49.079003	-126.77559
26	Papineau Airport	Pelly Bay	Canada	YBB	CTBB	66.534401	-99.509099
27	Bark Lake Airport	Bark Lake	Canada	YBC	CTBC	49.13249949	-98.20459912
28	CFB Baguville	Baguville	Canada	YBO	CTBO	49.30400074	-70.09699993
29	Baker Lake Airport	Baker Lake	Canada	YBK	CTBK	64.0889679	-94.0779694
30	Campbell River Airport	Campbell River	Canada	YBL	CTBL	49.0080168	-126.2710007
31	Brandon Municipal Airport	Brandon	Canada	YBR	CTBR	49.01	-99.01899
32	Cambridge Bay Airport	Cambridge Bay	Canada	YCB	CTCB	69.1010089	-106.1380008
33	Halifax Airport	Halifax	Canada	YHD	CTCD	43.0447002	-121.8489664
34	Cartiagar/Mont. Montserrat Regional	Cartiagar	Canada	YCD	CTCD	47.29400164	-117.6500008
35	Miramichi Airport	Chatham	Canada	YCH	CTCH	47.507001	-66.449203
36	Charlo Airport	Charlo	Canada	YCL	CTCL	47.990789	-66.235289
37	Raplaivik Airport	Coppevick	Canada	YCP	CTCD	67.814704	-116.143997
38	Cornwall Airport	Cornwall	Canada	YCT	CTCT	49.13000074	-114.666998

Navbar



- ★ Vamos a tener un slicer y 2 cards
- ★ El resto de la barra se llena con un rectangulo
- ★ Para una card vamos a necesitar una measure o calculo, donde calculamos el promedio de aeropuertos por país



Primer mapa



Visualizations

Location

Country

Legend

Add data fields here

Latitude

Add data fields here

Longitude

Add data fields here

Tooltips

Add data fields here

Drill through

Cross-report

Fields

Search

☐ airports

☒ Σ Airport Id

☐ Σ Altitude

☐ City

☐ Country

☐ DST

☐ IATA

☐ ICAO

☐ Σ Lat

☐ Σ Long

☐ Mean Airports pe...

☐ Name

☐ Source

☐ Σ Timezone

☐ Type

☐ Tz database time ...

☐ Countries-Contin...

☐ cwurData

☐ timesData



Segundo mapa



Visualizations

Location

Add data fields here

Legend

Country ▾ ×

Latitude

Lat ▾ ×

Longitude

Long ▾ ×

Size

Add data fields here

Tooltips

Add data fields here

Drill through

Cross-report

Off ☐

Keep all filters

On ☒

Add drill-through fields here

Fields

☒ airports

☐ Airport Id

☐ Altitude

☐ City

☒ Country

☐ DST

☐ IATA

☐ ICAO

☒ Lat

☒ Long

☐ Mean Airports pe...

☐ Name

☐ Source

☐ Timezone

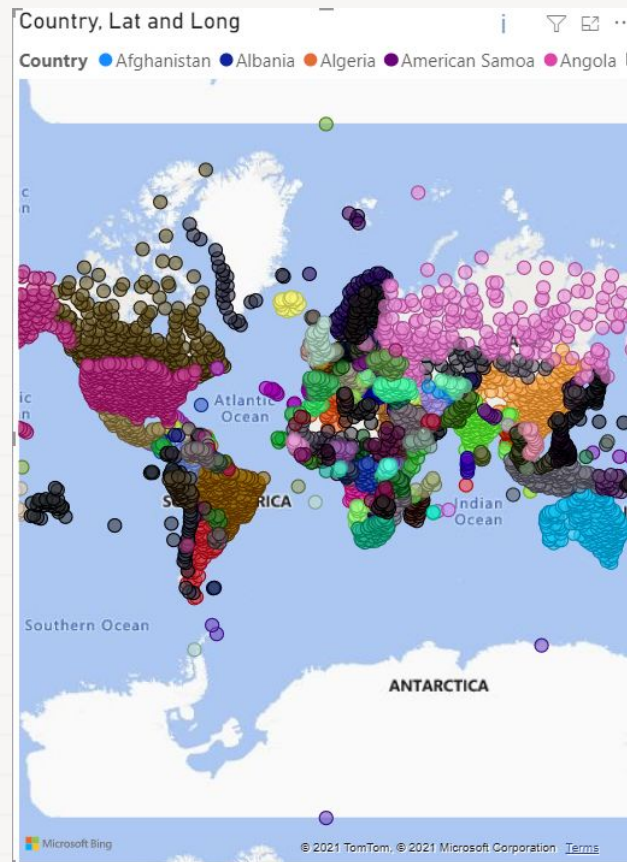
☐ Type

☐ Tz database time...

☒ Countries-Continents

☒ cwrData

☒ timesData



Tercer mapa



Visualizations

Visualizations icons: Bar chart, Line chart, Pie chart, Map, Table, etc.

Location

Add data fields here

Latitude (Y)

Lat

Longitude (X)

Long

Size

Altitude

Color

Country

Time

Add data fields here

Tooltips

ICAO

IATA

City

Country

Join layer

Add data fields here

Find similar

Add data fields here

Fields

Search

airports

- ☐ Airport Id
- ☒ Altitude
- ☒ City
- ☒ Country
- ☐ DST
- ☒ IATA
- ☒ ICAO
- ☒ Lat
- ☒ Long
- ☐ Mean Airports pe...
- ☐ Name
- ☐ Source
- ☐ Timezone
- ☐ Type
- ☐ Tz database time ...

Countries-Continents

cwurData

timesData

Options

GLOBAL

Data Load

Power Query Editor

DirectQuery

R scripting

Python scripting

Security

Privacy

Regional Settings

Updates

Usage Data

Diagnostics

Preview features

Auto recovery

Report settings

CURRENT FILE

Data Load

Regional Settings

Privacy

Auto recovery

Web Preview Warning Level

☐ None | We won't check revocation info. All valid certificates will be allowed through.

Data Extensions

☒ (Recommended) Only allow Microsoft certified and other trusted third-party extensions to load

☐ (Not Recommended) Allow any extension to load without validation or warning

[Learn more about data extensions](#)

Custom visuals

☒ Show security warning when adding a custom visual to a report

ArcGIS for Power BI

☒ Use ArcGIS for Power BI

Approved ADFS Authentication Services

☐ You have not approved any authentication services on this computer.

OK Cancel

