



Web Scraping with Power BI & Microsoft Fabric

About Us...

Scott Stauffer

Data & Analytics Consultant

Independent Consultant

[in/scottstauffer](https://www.linkedin.com/in/scottstauffer)

[@SQLSocialite](https://twitter.com/SQLSocialite)

[ScottStauffer \(github.com\)](https://github.com/ScottStauffer)

Annie Penny-Felix

PTSD Service Dog Candidate

[BC & Alberta Guide Dogs](https://bcguidedogs.ca)



Thanks to our amazing 2024 sponsors

They make DataGrillen possible

Foundation Sponsors



DATAmasterminds

Grillmeister / Platinum Sponsors



Grillrost / Gold Sponsors



Anzünder / Silver Sponsors



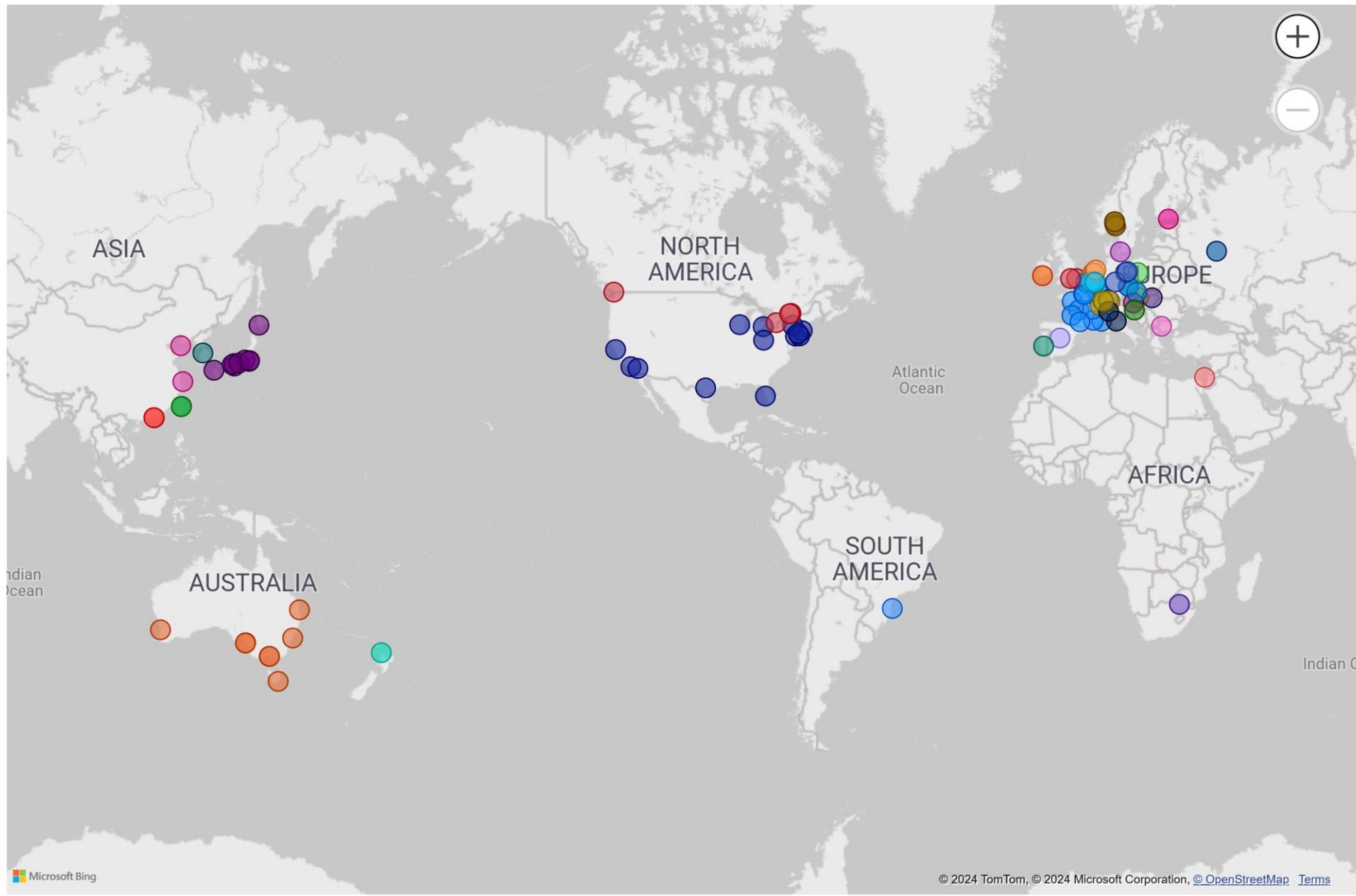
Agenda

1. CSS Selectors Demo
2. Browser Developer Tools - Find the selector
3. SelectorGadget
 - “It’s an older code, but it checks out.”
4. Power Query in Power BI Desktop - Basic Demo
5. PySpark Notebooks in Microsoft Fabric - Demo
6. Dataflows Gen2 in Microsoft Fabric
7. Power Query in Power BI Desktop - Advanced Demo

But wait... What is this for?



International Guide Dog Federation - Affiliate Members



- Continent
- Asia
- Europe
- Middle East and Africa
- North America
- South America
- South Pacific

- Country
- Australia
- Austria
- Belgium
- Brazil
- Bulgaria
- Canada
- China
- Croatia
- Czech Republic
- Denmark
- Finland
- France

Read the latest edition of Visionary Magazine March 2024

x



**International
Guide Dog
Federation**

ACCESSIBILITY

DONATE

Search

Search

ABOUT IGDF

FIND PROVIDER

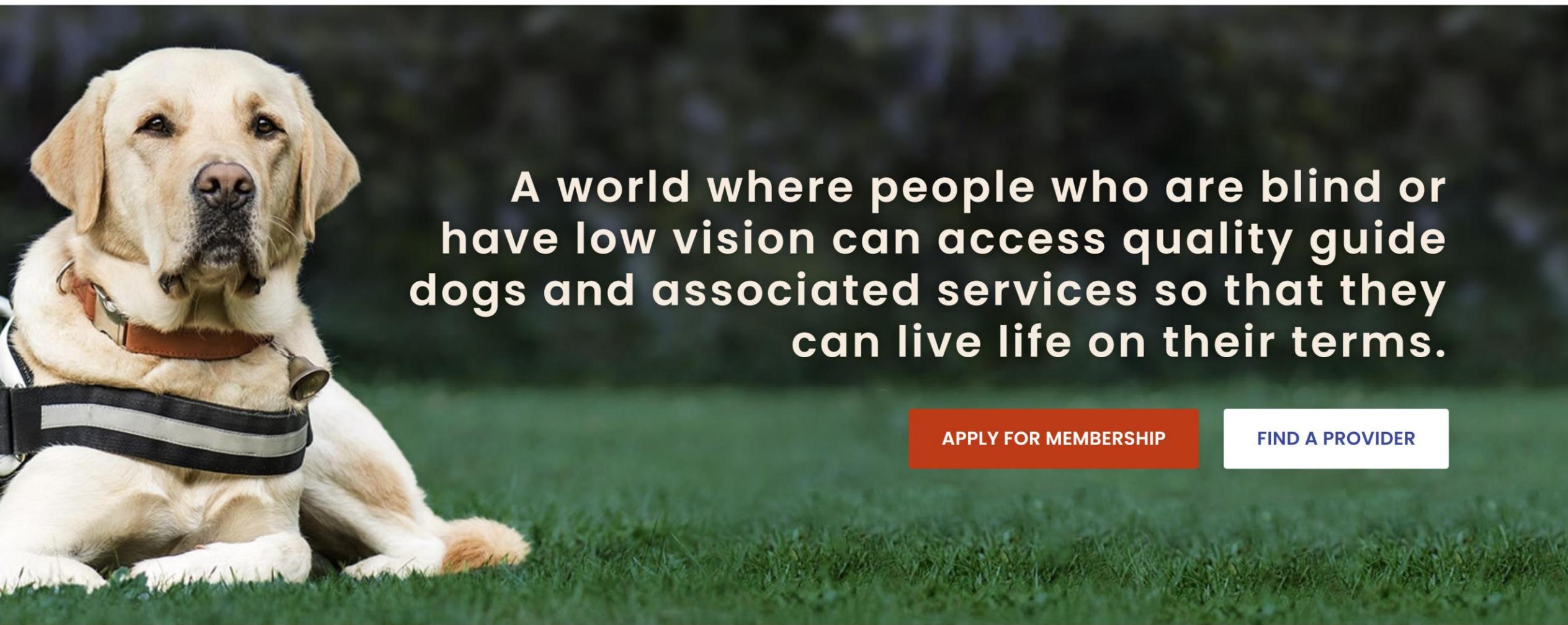
HOW TO JOIN

ABOUT GUIDE DOGS

AWARDS

CAREERS

Login



A world where people who are blind or have low vision can access quality guide dogs and associated services so that they can live life on their terms.

APPLY FOR MEMBERSHIP

FIND A PROVIDER

CSS Selector Demo

Let's start with a very simple web page.
Let's select the elements to dress up / scrape

The image shows a split-screen interface. On the left is a code editor window titled "Basic HTML Page with Lists.html" containing the following HTML and CSS code:

```
<html>
  <head>
    <style>
      .Region1 {
        Background: lightblue;
      }
    </style>
  </head>
  <body>
    <h1>CSS Selectors For Styling | Scraping!</h1>

    <div class="Region1">
      <span>Just text within Region 1</span>
      <div>
        <ul>
          <li>Point #1</li>
          <li>Point #2</li>
          <li>Point #3</li>
          <li>Point #4</li>
        </ul>
      </div>
      <p>A short Paragraph</p>
    </div>

    <div class="Region2">
      <span>Just text within Region 2</span>
      <ul>
        <li>Point #1</li>
        <li>Point #2</li>
      </ul>
      <p class="Region1">A short Paragraph (with Region 1 class)</p>
    </div>
  </body>
</html>
```

On the right is a browser window titled "CSS Selector Demo #1" displaying the rendered HTML. The content includes:

- A heading "CSS Selectors For Styling | Scraping!"
- A blue-highlighted region labeled "Just text within Region 1" containing a bulleted list:
 - Point #1
 - Point #2
 - Point #3
 - Point #4
- A blue-highlighted region labeled "A short Paragraph"
- A blue-highlighted region labeled "Just text within Region 2" containing a bulleted list:
 - Point #1
 - Point #2
- A blue-highlighted region labeled "A short Paragraph (with Region 1 class)"

Web Scraping with Fabric

Basic HTML Page with Lists.html

Basic HTML Page with Tables.html

Extei ...

127.0.0.1:5500/Basic%20HTML%20Page%20with%20Table...

CSS Selectors For Styling | Scraping!

Just text within Region 1

United Kingdom	Europe	67,736,802
Canada	North America	37,840,044
Australia	Oceania	26,439,112

A short Paragraph

Just text within Region 1

Just text within Region 2

United States	North America	339,996,564
South Africa	Africa	60,414,495
New Zealand	Oceania	5,228,100

Duplicated Table:

Country	Continent	Population
United States	North America	339,996,564
South Africa	Africa	60,414,495
New Zealand	Oceania	5,228,100

A short Paragraph

```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <title>CSS Selector Demo #2</title>
5
6   <!-- ...
7
8   <style>
9     * { Background: lightgray;
10       color: blue;}
11
12     table, th, td {border: 1px solid;}
13
14   <h1>
15     {
16       Background: orange;
17     }
18
19   </style>
20
21 </head>
22 <body>
23   <h1>CSS Selectors For Styling | Scraping!</h1>
24
25   <div id="set1" class="Region">
26     <span>Just text within Region 1</span>
27     <div>
28       <table>
29         <tbody>
30           <tr>
31             <td>United Kingdom</td>
32             <td>Europe</td>
33             <td>67,736,802</td>
34           </tr>
35           <tr>
36             <td>Canada</td>
37             <td>North America</td>
38             <td>37,840,044</td>
39           </tr>
40           <tr>
41             <td>Australia</td>
42             <td>Oceania</td>
43             <td>26,439,112</td>
44           </tr>
45         </tbody>
46       </table>
47     </div>
48   </div>
49
50 </body>
51 </html>
```

Ln 23, Col 15 Spaces: 4 CRLF HTML Port: 5500



Chromium Demo

2

Let's inspect content on a webpage
and see what it tells us!

Elements Console Sources Network Data-Grid Data-Table

Styles Computed Layout

Filter :hov .cls +

```

element.style {
}

ul.career- style.css?ver=1.0.0:231
list li >
div, ul.provider-list li > div {
  width: 100%;
  padding: ▶ 0.5em;
}

.elementor frontend.m...er=3.11.2:2
*, .elementor :after, .elementor :before {
  box-sizing: border-box;
}

*, :after, :before {
  -webkit box-sizing: border-box;
  box-sizing: border-box;
}

div { user agent stylesheet
  display: block;
  unicode-bidi: isolate;
}

Inherited from li
dd, dl, dt, style.min.c...ver=2.6.1:1
li, ol, ul {
  margin-top: 0;
  margin-bottom: 0;
  border: ▶ 0;
  outline: ▶ 0;
  font-size: 100%;
  vertical-align: baseline;
}

```

get-container div.elementor-shortcode ul#list-of-providers.provider-list.filter-list li div.website

Console Issues +

Elements tab showing the DOM structure of a provider item:

- <div class="elementor-column-wrap elementor-element-type-shortcode elementor-widget-shortcode" data-id="34a435d" data-widget-type="shortcode.default">
- <div class="elementor-widget-container">
- <div class="elementor-shortcode">
- <ul id="list-of-providers" class="provider-list filter-list" style="opacity: 1;">
-
- <h3 class="title">Blindenführhundschule Schubert und Wetzel</h3>
- <div class="country">
- Country
- <p>Germany</p>
- </div>
- <div class="website">
- Website
- https://www.bfhs-richter.de/
- </div>
- <div class="apply">
- More Info Richter
- </div>
-
- ...
- ...
- ...
-
- </div>

SelectorGadget Demo

3



Power BI Demo - Basics

4

Simple Table

Display Options



```
1 let
2     Source = Web.BrowserContents("https://scottstauffer.com/css-selectors/"),
3     #"Extracted Table From Html" =
4         Html.Table(Source,
5             {
6                 {"Column1", "TABLE > tbody > TR > :nth-child(1)"},
7                 {"Column2", "TABLE > tbody > TR > :nth-child(2)"},
8                 {"Column3", "TABLE > tbody > TR > :nth-child(3)"}
9             },
10            [RowSelector="TABLE > tbody > TR"]
11        ),
12     #"Promoted Headers" = Table.PromoteHeaders(#"Extracted Table From Html", [PromoteAllScalars=true]),
13     #"Changed Type" = Table.TransformColumnTypes(#"Promoted Headers",{
14         {"World Population", type text}, {"Continent", type text}, {"Population", Int64.Type}})
15 in
16     #"Changed Type"
```

✓ No syntax errors have been detected.

Done

Cancel

CSS Selector Example

File Home Transform Add Column View Tools Help

Close & Apply New Recent Enter Data Data source settings Manage Parameters Refresh Preview Manage Sort Split Column Group By Data Type: Text Use First Row as Headers Replace Values Combine AI Insights

Close New Query Data Sources Parameters Query Transform Text Analytics Vision Azure Machine Learning

Queries [7]

- Live Server hosted [2]
 - Table 1 - Ensure Live Server is still on!
 - Table 2 - Ensure Live Server is still on!
- ScottStauffer.com/css-selectors hosted [2]
 - Simple Table
 - Simple Table (2)
- Wikipedia World hosted - Population [3]
 - AutoGen CSS Selectors - World Population
 - Manually set CSS Selectors - World Population
 - Manually set CSS Selectors - Simplify the Selector
- Other Queries

= Table.TransformColumnTypes(#"Promoted Headers", {

	A ^B C World Population	A ^B C Continent	1 ² 3 Population
1	India	Asia	1428627663
2	China	Asia	1425671352
3	United Kingdom	Europe	67736802
4	Canada	North America	38781292

Query Settings

PROPERTIES

Name: Simple Table

All Properties

APPLIED STEPS

Source
Extracted Table From Html
Promoted Headers
Changed Type

3 COLUMNS, 4 ROWS Column profiling based on top 1000 rows PREVIEW DOWNLOADED ON SATURDAY

Options for Data Transformation in Microsoft Fabric

- Dataflows Gen2
- Data Factory Pipelines
- Sparc Notebooks
- Power BI (for an all-in-one solution)

Why Not Data Factory for Web Scraping?

 Filter by title

- > Palantir Foundry
- > PostgreSQL database
- > REST
- > Salesforce objects
- > Salesforce reports
- > SAP BW Application Server
- > SAP BW Message Server
- > SAP HANA database
- > SFTP
- > SharePoint folder
- > SharePoint list
- > SharePoint online list
- > Snowflake
- > SQL Server database
- > Teradata database
- ✓ Web API/Web page

Overview

Set up your connection

>

Data pipelines

Dataflows

FAQ and Troubleshooting

 Download PDF

Data Factory in Microsoft Fabric uses Power Query connectors to connect Dataflow Gen2 to a website. The following links provide the specific Power Query connector information you need to connect to a website in Dataflow Gen2:

- To get started using the Web API or Web page connector in Dataflow Gen2, go to [Get data from Data Factory in Microsoft Fabric](#).
- Be sure to install or set up any [Web connector prerequisites](#) before connecting to the Web API or Web page connector.
- To connect to the Web API or Web page connector from Power Query, go to [Load Web data using Power Query Online](#).

The following Power Query Web connector articles supply more useful information when you use the Web API or Web page connectors:

- [Get webpage data by providing examples](#)
- [Troubleshooting the Web connector](#)

Set up your connection in a data pipeline

Data Factory in Microsoft Fabric doesn't currently support the Web API or Web page connector in data pipelines.

Feedback

Was this page helpful?

 Yes  No

[Provide product feedback](#) | [Ask the community](#)

Additional resources

Training

Module

[Ingest Data with Dataflows in Microsoft Fabric - Training](#)

Data ingestion is crucial in analytics. Microsoft Fabric's Data Factory offers Dataflows for visually creating multi-step data ingestion and transformati...

Documentation

[How to create a REST connection - Microsoft Fabric](#)

This article provides information about how to do create a REST connection in Microsoft Fabric.

[REST connector overview - Microsoft Fabric](#)

This article explains the overview of using REST.

[Set up your HTTP connection - Microsoft Fabric](#)

This article provides information about how to create an HTTP connection in Microsoft Fabric.

Show 5 more

Set up your connection in a data pipeline

Data Factory in Microsoft Fabric doesn't currently support the Web API or Web page connector in data pipelines.

Web Scraping with PySpark

Other people in your organization may have access to notebooks and Spark job definitions in this workspace. Carefully review this item before running it.



Web Scraping with PySpark in a Jupiter Notebook



Home Public libraries

Share

[+ Add from PyPI](#) [Add from .yml](#) [Delete](#) [Export to .yml](#)

Libraries

Public libraries

Custom libraries

Spark compute

Compute

Spark properties

Public libraries

Filter by name

Search and add libraries from public repositories or via a .yml file. They'll be available if you run your notebook or Spark job definition in this environment. [Learn more](#)

<input type="checkbox"/> Library ↑	Version	Source	Status	Last updated
<input type="checkbox"/> httpx	0.26.0	PyPI	Success	05/16/24, 11:46:59 AM
<input type="checkbox"/> selectolax	0.3.20	PyPI	Success	05/16/24, 11:46:59 AM

Web Scraping with Dataflows Gen2

Feature Parity with Power BI Desktop was a roadblock.



Home

SQLbits Conference



Please do not make changes to this without first talking with Scott



Create



Browse



OneLake

data hub



Monitoring

hub



Workspaces



SQLbits

Conference



ServiceDog

Associations



Data

Engineering

[+ New](#)[Upload](#)[Create deployment pipeline](#)[Create app](#)

...

 Filter by keyword[Filter](#)

≡

	Name	Type	Owner	Refreshed	Next refresh	Endorsement	Sensitivity
	Ingest IGDF website data ⚠	Dataflow Gen2	Scott Stauffer	24-03-23, 8:42:12 a.m.	N/A	—	Public ⓘ
	Service Dogs in the Cabin	Report	SQLbits Conference	24-03-14, 4:40:03 a.m.	—	—	—
	Service Dogs in the Cabin	Semantic model	SQLbits Conference	24-03-14, 4:40:03 a.m.	N/A	—	—
	ServiceDogAssociations	Lakehouse	Scott Stauffer	—	—	—	—
	ServiceDogAssociations	Semantic model (...)	SQLbits Conference	24-03-11, 3:30:51 a.m.	N/A	—	—
	ServiceDogAssociations	SQL analytics end...	SQLbits Conference	24-03-12, 11:41:50 p.m.	N/A	—	—

[+ New](#)[Upload](#)[Create deployment pipeline](#)[Create app](#)

...

	Name	Type	Owner	Refreshed	Next re...
	Ingest IGDF website data ⚠	Dataflow Gen2	Scott Stauffer	24-03-23, 8:42:12 a.m.	N/A
	Service Dogs in the Cabin				
	Service Dogs in the Cabin				
	ServiceDogAssociations				
	ServiceDogAssociations				
	ServiceDogAssociations				

Dataflow publish failed

Something went wrong.

▼ See details

Dataflow ID: 09f7f28d-e989-4058-81a9-d88918bc2e35

Details: Dynamic datasources are not supported.

Session ID: 6c3481df-2530-423b-a98e-7957de1e5abf

Root activity ID: 6012031a-0eac-4b77-91e5-e230ef06a268

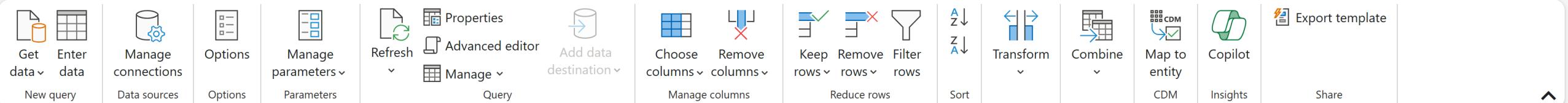
Time: 2024-03-23T08:40:16.280Z

Copy

[Get help](#)

[Edit dataflow](#)

[Ca...](#)



Queries [3]

- 📁 ADI
- 📁 IGDF
- 📁 Get IGDF Continent
 - fx Get IGDF Members by Continent
 - 🔗 IGDF Continent Parameter (europe)
- grid EuropeanIGDFMembers

✖ ✅ fx

```

    {"Affiliate Organization", ".title"},  

    {"Country", ".country"},  

    {"Website", ".website a", each [Attributes][href]},  

    {"More Info", ".apply a", each [Attributes][href]}
  
```

A ^B Affiliate Organization	A ^B Country	A ^B Website
1 Associacao Beira Agueira de Apoio ao Deficiente Visual	CountryPortugal	http://www.cae.pt
2 Association Chiens Guides d'Aveugles Grand Sud Ouest	CountryFrance	https://www.chiensguides.fr
3 Association de Chiens Guides d'Aveugles de Lyon et du Centre Est	CountryFrance	https://chiensguides-lyon.com
4 Association Les Chiens Guides d'Aveugles de L'Ouest	CountryFrance	https://www.chiensguides-louest.com
5 Barathegyi Guide Dog and Service Dog School Foundation	CountryHungary	https://www.bardog.org
6 Blindenführhundschule Richter	CountryGermany	https://www.bfdrichter.de
7 Blindenführhundschule Schubert und Wetzel	CountryGermany	https://www.blindenfuehrhundschule-schubert-wetzel.de
8 Blindengeleidehondenschool Genk	CountryBelgium	https://www.bghgenk.be
9 Chiens Guides d'Aveugles – Centre Paul Corteville	CountryFrance	https://www.chiens-guides-corteville.fr
10 Chiens Guides de l'Est (formerly du Grand Est)	CountryFrance	https://www.chiens-guides-est.fr
11 Czech Guide Dog School	CountryCzech Republic	https://www.vod.cz
12 Dogs as Assistants for Disabled People	CountryRussia	https://www.gadp.ru
13 Ecole de Chiens Guides pour Aveugles et Malvoyants de Paris et de la Region Parisienne	CountryFrance	https://www.chiens-guides-paris.fr
14 Ecole de Chiens-Guides Centre Aliénor	CountryFrance	https://www.chiens-guides-alienor.fr
15 Entrevues asbl Guide Dog and Mobility	CountryBelgium	https://www.entrevues.be
16 Eyes On Four Paws Foundation	CountryBulgaria	http://www.e4p.org
17 Fondation Frederic Gaillanne	CountryFrance	https://www.fondation-gaillanne.fr
18 Fondation I See	CountryBelgium	https://www.isee.be
19 Fondation Romande Pour Chiens-Guides d'Aveugles	CountrySwitzerland	https://www.chiens-guides.ch
20 Fundación ONCE del Perro-Guía	CountrySpain	https://perrosguia.org
21 Gavis Assistentehonden – previously Gavis Geleide & Hulphondenschool (previously known as Martin Gavis Geleidehondenschool)	CountryNetherlands	https://www.gavis.nl

Query settings

Properties

Name

EuropeanIGDFMembers

Entity type

Custom

Applied steps

- 🌐 Source
- ⚙️ Extracted T...
- 🔍 Replaced V...

Data destination

- ✖ Lakehouse
- ℹ️ Settings



Get data

New query



Advanced editor



```
1 let
2     Source = Web.BrowserContents("https://www.igdf.org.uk/closest-dog-guide-providers/europe") // & "#IGDF Continent Parameter")
3 ,
4     #"Extracted Table From Html" = Html.Table(Source,
5         {
6             {"Affiliate Organization", ".title"},
7             {"Country", ".country"},
8             {"Website", ".website a", each [Attributes][href]},
9             {"More Info", ".apply a", each [Attributes][href]}
10        },
11        [RowSelector=".elementor-widget-shortcode LI"]
12    ),
13
14     #"Replaced Value" = Table.ReplaceValue(#"Extracted Table From Html","Country","",Replacer.ReplaceText,{"Country"})
15 in
16     #"Replaced Value"
```



OK

Cancel



[New SQL query](#) [New visual query](#) [New report](#) [New measure](#)

This lakehouse has a default Power BI semantic model for easier reporting. To add lakehouse objects to the model, go to Manage default semantic model. [Learn more](#)

[Manage default Power BI semantic](#)**Explorer**[+ Warehouses](#)[ServiceDogAssociations](#)[Schemas](#)[dbo](#)[Tables](#)[EuropeanIGDFMembers](#)[ABC Affiliate_Organization](#)[ABC Country](#)[Query](#)[Views](#)[Functions](#)[Stored Procedures](#)[guest](#)[INFORMATION_SCHEMA](#)[queryinsights](#)[sys](#)[Security](#)[Queries](#)[Mv queries](#)**Data preview**

Showing 51 rows



	ABC Affiliate_Organization ↑	ABC Country
1	Associacao Beira Aguieira de Apoio ao Deficiente Visual	Portugal
2	Association Chiens Guides d'Aveugles Grand Sud Ouest	France
4	Association Les Chiens Guides d'Aveugles de L'Ouest	France
3	Association de Chiens Guides d'Aveugles de Lyon et du Centre Est	France
5	Barathegyi Guide Dog and Service Dog School Foundation	Hungary
6	Blindenführhundschule Richter	Germany
7	Blindenführhundschule Schubert und Wetzel	Germany
8	Blindengeleidehondenschool Genk	Belgium
10	Chiens Guides de l'Est (formerly du Grand Est)	France
9	Chiens Guides d'Aveugles – Centre Paul Corteville	France
11	Czech Guide Dog School	Czech Republic
12	Dogs as Assistants for Disabled People	Russia
13	Ecole de Chiens Guides pour Aveugles et Malvoyants de Paris et de la Region Parisienne	France
14	Ecole de Chiens-Guides Centre Aliénor	France
15	Entrevues asbl Guide Dog and Mobility	Belgium
16	Eyes On Four Paws Foundation	Bulgaria
17	Fondation Frederic Gaillanne	France
18	Fondation I See	Belgium
19	Fondation Romande Pour Chiens-Guides d'Aveugles	Switzerland
20	Fundación ONCE del Perro-Guía	Spain
21	Gaus Assistentiehonden – previously Gaus Geleide & Hulphondenschool (previously known as Martin Gaus Geleidehondenschool)	Netherlands
22	Geleidehondenschool Herman Jansen	Netherlands
25	Guide Dogs Grünberger (previously known as Blindenführhundschule Dr Susanne Grünberger)	Germany

✔ Succeeded (2 sec 560 ms)

Column



Home



Create



Browse



OneLake



Monitoring



hub



Conference



Association...



Engineering

Web Scraping with m (Power Query)

in Power BI Desktop, and Published to the Power BI Service

Service Dogs in the Cabin

Queries [16]

- IGDF [6]
 - Get IGDF Continent [4]
 - IGDF Continent Parameter (europe)
 - IGDF Members by Continent
 - Get IGDF Members by Continent
 - org_lat_long
 - Get IGDF Member More Info [3]
 - IGDF Member More Info
 - IGDF Member More Info Parameter (bc-alberta...)
 - Get IGDF Member More Info
 - Get Location Coordinates [2]
 - All IGDF Members
 - IGDF Countinents and Countries
 - Fundraising Campaigns
- IRO [2]
 - IRO Member
 - IRO Continents and Countries
- ADI [1]
 - ADI Member
- Other Queries [1]
 - Continent & Country

= Table.TransformColumnTypes(#"Added Custom2",{{"Accreditation Body", type text}, {"IGDF Continent", type text}, {"Affiliate Organization", type text}, {"IGDF Country", type text}, {"Website", type text}})

	Accreditation Body	IGDF Continent	Affiliate Organization	IGDF Country	Website
1	IGDF	Asia	China Guide Dog Training Centre	China	http://ww...
2	IGDF	Asia	Chubu Guide Dogs for the Blind Association	Japan	http://ww...
3	IGDF	Asia	East Japan Guide Dog Association (previously known as Tochigi Guide ...)	Japan	http://ww...
4	IGDF	Asia	Guide Dog and Service Dog and Hearing Dog Association of Japan	Japan	https://w...
5	IGDF	Asia	Hokkaido Guide Dogs for the Blind Association	Japan	https://w...
6	IGDF	Asia	Hong Kong Guide Dogs Association	Hong Kong	https://w...
7	IGDF	Asia	Hong Kong Seeing Eye Dog Services	Hong Kong	https://w...
8	IGDF	Asia	Huikuang Guide Dog Foundation Taiwan (previously known as Huikuan...)	Taiwan	http://ww...
9	IGDF	Asia	Hyogo Guide Dogs Association	Japan	https://w...
10	IGDF	Asia	Japan Guide Dog Association	Japan	https://w...
11	IGDF	Asia	Kansai Guide Dogs for the Blind Association	Japan	https://ka...
12	IGDF	Asia	Kyushu Guide Dog Association	Japan	https://w...
13	IGDF	Asia	Nippon Lighthouse Guide Dog Training Centre	Japan	http://ww...
14	IGDF	Asia	Samsung Guide Dog School	South Korea	https://w...
15	IGDF	Asia	Taiwan Guide Dog Association	Taiwan	http://ww...
16	IGDF	Asia	Yunnan Erxing Dog Guides Training Ltd	China	http://erx...
17	IGDF	Europe	Associacao Beira Agueira de Apoio ao Deficiente Visual	Portugal	http://ww...
18	IGDF	Europe	Association Chiens Guides d'Aveugles Grand Sud Ouest	France	https://w...
19	IGDF	Europe	Association de Chiens Guides d'Aveugles de Lyon et du Centre Est	France	https://ch...
20	IGDF	Europe	Association Les Chiens Guides d'Aveugles de L'Ouest	France	https://w...
21	IGDF	Europe	Barathegyi Guide Dog and Service Dog School Foundation	Hungary	https://w...
22	IGDF	Europe	Blindenführhundschule Richter	Germany	https://w...
23	IGDF	Europe	Blindenführhundschule Schubert und Wetzel	Germany	https://w...
24	IGDF	Europe	Blindengeleidehondenschool Genk	Belgium	https://w...
25	IGDF	Europe	Chiens Guides d'Aveugles – Centre Paul Corteville	France	https://w...
26	IGDF	Europe	Chiens Guides de l'Est (formerly du Grand Est)	France	https://w...
27	IGDF	Europe	Czech Guide Dog School	Czech Republic	https://w...
28					

Query Settings

PROPERTIES

Name: All IGDF Members

All Properties

APPLIED STEPS

- Source
- Extracted Table From Html
- Added Custom
- Reordered Columns
- Extracted Text After Delimiter
- Replaced Value
- Invoked Custom Function
- Removed Columns
- Expanded Members
- Extracted Text After Delimiter1
- Replaced Value1
- Invoked Custom Function1
- Expanded More Info URL Part
- Inserted Text After Delimiter
- Split Column by Delimiter
- Removed Columns2
- Added Custom1
- Added Custom2
- Changed Type

12 COLUMNS, 97 ROWS Column profiling based on top 1000 rows

PREVIEW DOWNLOADED AT 09:51



All IGDF Members

Display Options



```
1 let
2   ... Source = Web.BrowserContents("https://www.igdf.org.uk/closest-dog-guide-providers/"),
3   ... #"Extracted Table From Html" = Table.ExtractTableFromHtml(Source, [{"IGDF Continent": "UL:nth-last-child(3) > LI"}, {"Continent Link": "UL:nth-last-child(3) > LI > A:nth-child(1):nth-last-child(1)", each [Attributes][href]}], [RowSelector="UL:nth-last-child(3) > LI"]),
4   ... #"Added Custom" = Table.AddColumn(#"Extracted Table From Html", "Accreditation Body", each "IGDF"),
5   ... #"Reordered Columns" = Table.ReorderColumns(#"Added Custom", {"Accreditation Body", "IGDF Continent", "Continent Link"}),
6   ... #"Extracted Text After Delimiter" = Table.TransformColumns(#"Reordered Columns", {"Continent Link", each Text.AfterDelimiter(_, "https://www.igdf.org.uk/closest-dog-guide-providers/"), type text}),
7   ... #"Replaced Value" = Table.ReplaceValue(#"Extracted Text After Delimiter", "/", "", Replacer.ReplaceText, {"Continent Link"}),
8   ... #"Invoked Custom Function" = Table.AddColumn(#"Replaced Value", "Members", each #"Get IGDF Members by Continent"([Continent Link])),
9   ... #"Removed Columns" = Table.RemoveColumns(#"Invoked Custom Function", {"Continent Link"}),
10  ... #"Expanded Members" = Table.ExpandTableColumn(#"Removed Columns", "Members", {"Affiliate Organization", "Country", "Website", "More Info"}, {"Affiliate Organization", "IGDF Country", "Website", "More Info"}),
11  ... #"Extracted Text After Delimiter1" = Table.TransformColumns(#"Expanded Members", {"More Info", each Text.AfterDelimiter(_, "https://www.igdf.org.uk/provider/"), type text}),
12  ... #"Replaced Value1" = Table.ReplaceValue(#"Extracted Text After Delimiter1", "/", "", Replacer.ReplaceText, {"More Info"}),
13  ... #"Invoked Custom Function1" = Table.AddColumn(#"Replaced Value1", "More Info URL Part", each #"Get IGDF Member More Info"([More Info])),
14  ... #"Expanded More Info URL Part" = Table.ExpandTableColumn(#"Invoked Custom Function1", "More Info URL Part", {"Address", "Phone", "Email Address"}, {"Address", "Phone", "Email Address"}),
15  ... #"Inserted Text After Delimiter" = Table.AddColumn(#"Expanded More Info URL Part", "bare URL", each Text.AfterDelimiter([Website], ":"), type text),
16  ... #"Split Column by Delimiter" = Table.SplitColumn(#"Inserted Text After Delimiter", "bare URL", Splitter.SplitTextByEachDelimiter({"/"}, QuoteStyle.Csv, false), {"bare URL", "bare URL.2"}),
17  ... #"Removed Columns2" = Table.RemoveColumns(#"Split Column by Delimiter", {"bare URL.2"}),
18  ... #"Added Custom1" = Table.AddColumn(#"Removed Columns2", "Favicon Kit", each "https://api.faviconkit.com/" & [bare URL]),
19  ... #"Added Custom2" = Table.AddColumn(#"Added Custom1", "Address with Country", each [Address] & ", " & [IGDF Country]),
20  ... #"Changed Type" = Table.TransformColumnTypes(#"Added Custom2", {"Accreditation Body", type text}, {"IGDF Continent", type text}, {"Affiliate Organization", type text}, {"IGDF Country", type text}, {"Website", type text}, {"Address", type text}, {"Phone", type text}, {"Email Address", type text}, {"bare URL", type text}, {"Favicon Kit", type text}, {"Address with Country", type text})
21 in
22 #"Changed Type"
```



✓ No syntax errors have been detected.

Done

Cancel

You'll need the On-Premises Data Gateway...

Connect to on-premises data sources with a Power BI gateway

Keep your dashboards and reports up to date by connecting to your on-premises data sources without the need to move the data. Query large datasets and take advantage of your existing investments. Get the flexibility you need to meet individual needs, and the needs of your organization.

[Download standard mode >](#)[Download personal mode >](#)[Learn more >](#)

One gateway for all your cloud services

Install once and deploy multiple on-premises data connections across Power BI, Power Apps,



Easy setup

Download and install the gateway with minimal interactions. Then sign in with your organization



Secured access to data

Data transfer between Power BI and the on-premises data gateway is secured through Azure Service Bus.

Work

G Scott Stauffer is fundraising for C X +

https://www.justgiving.com/page/guide-dogs-at-sqlbits

JustGiving™ Menu Start Fundraising

Search Log in Sign up



11 %

£280

raised of £2,500 target
by 8 supporters

Give Now

Share



Scott Stauffer

Guide Dogs at SQLbits

Fundraising for Guide Dogs

SQLbits.com Data & Analytics Conference



Guide Dogs

Verified by JustGiving

RCN Eng. & Wales 209617, Scot.
SC038979, & IoM 1334
www.guidedogs.org.uk

We breed and train guide dogs to give blind people freedom and mobility

CSS Selectors - Resources

- [CSS Selector Ultimate Guide by Kyle Cook](#)
 - [Learn Every CSS Selector In 20 Minutes](#)
 - [CSS Selector Cheat Sheet](#)
- CSS Selectors at w3schools.com
 - [Tutorial](#)
 - [Reference](#)
 - [Try](#)
- [SelectorGadget: point and click CSS selectors](#)
- VS Code Live Server Extension by Ritwick Dey

Vielen Dank! (Thank You!)
Feedback, please!