Tutorial to demo functionality

Step 1: navigate to https://econtrade.z8.web.core.windows.net/

Step 2 : The UI will be as follows

C S	econtrade.z8.web.core.windows.net	
		Enter Key Save

Step 3: Enter the key to tradingeconomics and save

Step 4: The UI will be as follows

Add Raw data	Compare Data	Get Config	Clear data	

Step 5 : Click on "Add Raw Data" The UI will be as follows

Set

Add Raw data	Compare Data Get Config	Clear data
data set Dataset3	Country Afghanistan	▼ Group health ▼ load

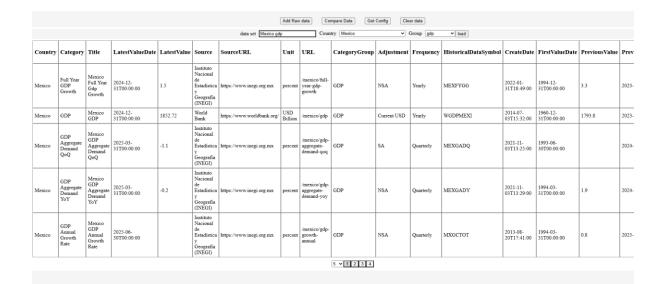
Step 6: Enter the following values

data set => Mexico gdp

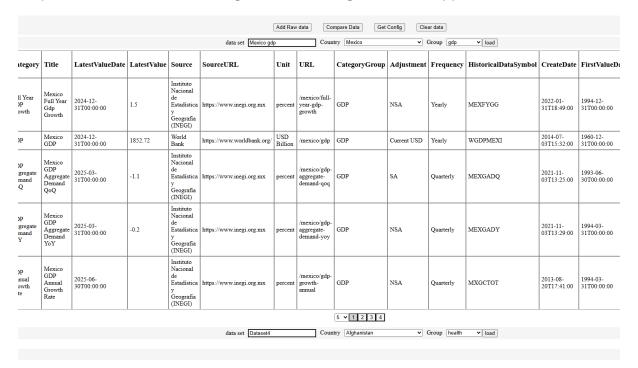
Country => Mexico (select from drop down)

Group => gdp (select from drop down)

Click load after a few seconds the following screen with data will show



Step 7 Click on Add Raw data again the following screen will appear



Step 8 for the second data set make the following selection data set => NZ gdp Country => New Zealand (select from drop down) Group => gdp (select from drop down) /mexico/gdp-**GDP** growth-NSA Quarterly MXGCTOT s://www.inegi.org.mx percent annual 5 🕶 1 2 3 4 Country New Zealand ▼ Group gdp data set NZ gdp load Step 9: Click on Load NZ gdp data will load 03T13:29:00 | 31T00:0 demand-yoy Geografia (INEGI) Nacional de Estadística v /mexico/gdp 2013-08-1994-03 growth-annual GDP NSA https://www.inegi.org.mx Quarterly MXGCTOT 20T17:41:00 31T00:0 5 🗸 1 2 3 4 Country New Zealand data set NZ gdp ✔ Group gdp **∨** load Date LatestValue Source SourceURL Unit URL Adjustment Frequency HistoricalDataSymbol CreateDate FirstV Statistics zealand/full-year-gdp-growth 2022-11-28T15:06:00 1988-12 31T00:0 New Zealand -0.5 GDP NSA Yearly NZLFYGG 1960-12 31T00:0 World USD 2014-07-260.24 WGDPNEWZ GDP Current USD https://www.worldbank.org/ Yearly Billion zealand/gdp 03T15:36:00 /new-zealand/gdp-2013-06-20T14:35:00 1987-06 30T00:0 -0.7 NZNTGDPY https://www.stats.govt.nz/ Quarterly New Zealand percent growth annual /new-zealand/gdp-Constant Prices 2009-2010, SA Statistics 2013-07-19T14:19:00 1987-06 30T00:0 Quarterly NEWZEALANGDPCONPRI New Zealand https://www.stats.govt.nz/ constantprices /new-Constant Prices 2009-2010, SA Statistic zealand/gdp-from-1987-06 30T00:0 3779 New Zealand GDP NEWZEALANGDPFROAGR https://www.stats.govt.nz agriculture 5 🗸 1 2 3 4

Step 10: Click on Compare Data on the top tool bar . The following form will show

New Zealand	https://www.stats.govt.nz/	Million	constant- prices	GDP	Prices 2009- 2010, SA	Quarterly	NEWZEALANGDPCONPRI	19T14:19:00
Statistics New Zealand	https://www.stats.govt.nz/	NZD Million	/new- zealand/gdp- from- agriculture	GDP	Constant Prices 2009- 2010, SA	Quarterly	NEWZEALANGDPFROAGR	2015-08- 24T11:27:00





Step 10: Enter as follows

Replace Comparison1 with Mexico VS NZ

Keep Set Innit Script checked and for the script box below enter the following

Below // if needed add global variables here

Enter

```
var keyvalues = undefined;
var keyvalueIndex = 0;
```

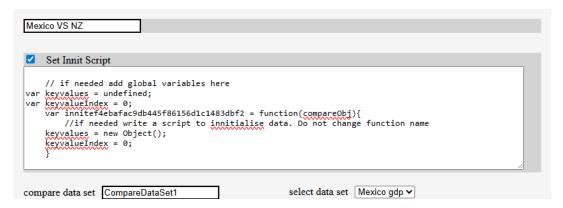
inside the function below

//if needed write a script to innitialise data. Do not change function name

Enter

```
keyvalues = new Object();
keyvalueIndex = 0;
```

It should look like this, please note the function name will be different



Step 11

In the compare data set input box replace CompareDataSet1 with Mexico

Keep the Filter Rows Check and inside the text area below // write a script to filter out rows and return the filtered dataset. Do not change function name

Enter the following code to filer a data set that does excludes missing values and has units of percent

```
return ds.filter(gdp => gdp.Unit === 'percent' && gdp.LatestValue &&
gdp.LatestValue !== '');
```

```
select data set Mexico gdp ✓

Filter Rows

var filter652192c8014d45a38f2ee914fb70ceec = function(ds){
    // write a script to filter out rows and return the filtered dataset. Do not change function name
    return ds.filter(gdp => gdp.Unit === 'percent' && gdp.LatestValue && gdp.LatestValue !== '');
}

fild0
```

Step 12

Next the computation or selection of fields to compare.

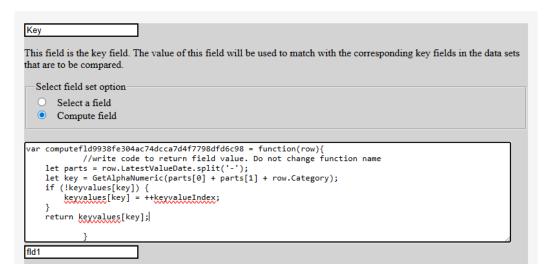
Replace fld0 with Key => this field will be computed to have a unique key based on the combination of fields

In the radio selection select Compute field this will open a text area to enter code

Enter the following code below //write code to return field value. Do not change function name

```
let parts = row.LatestValueDate.split('-');
let key = GetAlphaNumeric(parts[0] + parts[1] + row.Category);
if (!keyvalues[key]) {
    keyvalues[key] = ++keyvalueIndex;
}
return keyvalues[key];
```

It should now look as follows:



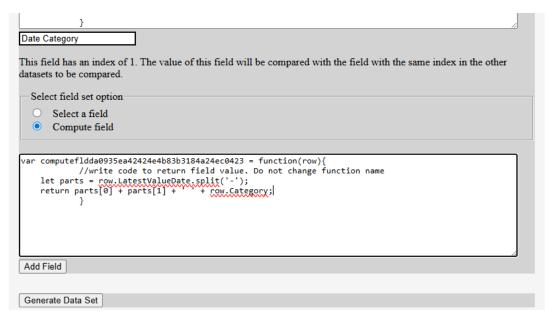
Step 13

Replace fld1 with Date Category. Select Compute field in the radio group.

Enter the following code in the text area below

```
let parts = row.LatestValueDate.split('-');
return parts[0] + parts[1] + ' ' + row.Category;
```

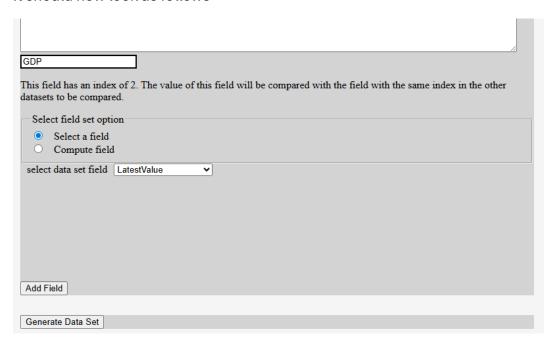
It should now look as follows



Step 14

Click on Add Field and replace fld2 with GDP. Keep the radio as select a field. In the field select data set fields drop down select LatestValue

It should now look as follows



Step 15

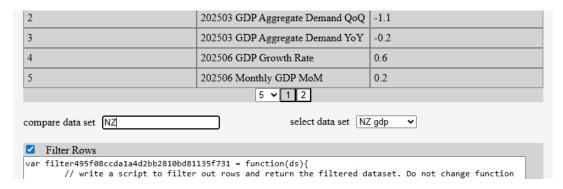
Click on Generate Data Set, this will create the DataSet. It will show as follows

Add Field		
Generate Data Set		
Key	Date Category	GDP
1	202412 Full Year GDP Growth	1.5
2	202503 GDP Aggregate Demand QoQ	-1.1
3	202503 GDP Aggregate Demand YoY	-0.2
4	202506 GDP Growth Rate	0.6
5	202506 Monthly GDP MoM	0.2
	5 🗸 1 2	

Step 16

Repeat steps 11 to step 15 for the data entry section following the above except in step 11

Replace CompareDataSet2 with NZ and select NZ gdp



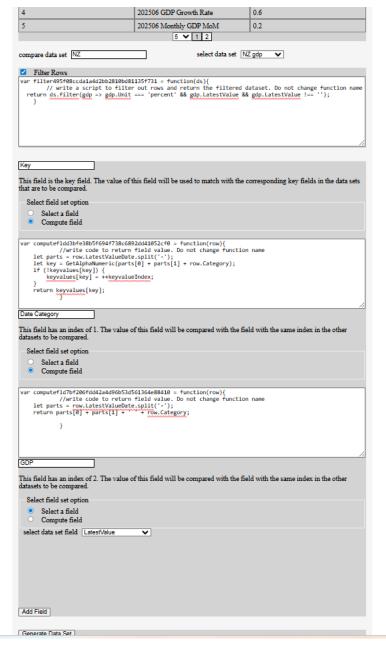
Once all the data is entered it should look as follows

Tutorial 2

Clicking Get Config on the top tool bar will open a text Area with the setting for all the entries made in tute 1 as follows.



By copying the setting and opening a fresh browser in another computer or browser type, entering the Key and subsequently clicking on Get Config in the new Browser window and pasting the above and clicking Run will reproduce the work in the new browser. This is the means to share data.



Step 17 click Generate Data Set for NZ. It will show as follows



Generate Comparison

Step 18 Click on Generate Comparison on lower left corner it should produce the following Grid comparing Mexico vs NZ data sets generated above

		Add DataSet						
Generate Comparison								
Mexico	NZ	Mexico	NZ	Mexico	NZ			
Key	Key	Date Category	Date Category	GDP	GDP			
1	1	202412 Full Year GDP Growth	202412 Full Year GDP Growth	1.5	-0.5			
2		202503 GDP Aggregate Demand QoQ		-1.1				
3		202503 GDP Aggregate Demand YoY		-0.2				
4		202506 GDP Growth Rate		0.6				
5		202506 Monthly GDP MoM		0.2				
5 v 1 2 add run scipt								

Step 16 In this step a script will be added to generate a bar chart. Click on add run script on lower left corner

In the code area below //Do not change function name

Enter the following code

```
let obj = new Object();
 obj.tagType = "svg";
 obj.attributes = new Object();
 obj.strokewidth = "1";
 var gid = GuidIDStr();
 var section = new Object();
 section.tagType = "section";
 section.attributes = [];
 var attr = new Object();
 attr.name = 'id';
 attr.value = 'section' + gid;
 section.attributes.push(attr);
 obj.elem = createHtmlElement(section);
 // mainElem = document.getElementById("main");
 scriptElem.append(obj.elem);
 let svgroot = document.getElementById("svgroot");
 if (svgroot) {
     svgroot.remove();
 obj.attributes.parentId = gid;
 obj.attributes.id = "svgroot";
 obj.attributes.version = "2";
 obj.attributes.stroke = "black";
 obj.attributes.width = "100%";
 obj.attributes.height = "450";
 createSVGTag(obj);
 createGtag();
 createXaxis(400, 40, 0, 266, ["1", "2", "3", "4", "5", "6", "7", "8", "9",
"10"], 20);
 createYaxis(400, 40, 0, 0, getLegendsArray(-1, 2), -30);
 let items = compareobj.items;
 let maxicoData = [];
 let nzData = [];
 items.forEach(item => {
     let maxObj = new Object();
      maxObj.x = item.Mexicokey * 40;
      maxObj.y = item["Mexicogdp"] * 133;
     max0bj.w = 10;
```

```
maxObj.xoffset = -10;
    maxicoData.push(max0bj);
    let nzObj = new Object();
    nzObj.x = item.NZkey * 40;
    nzObj.y = item["NZgdp"] * 133;
    nzObj.w = 10;
    nzObj.xoffset = 0;
    nzData.push(nzObj);
});
barChart(maxicoData, "red");
barChart(nzData, "blue");
let gtagElem = document.getElementById('gtag')
gtagElem.setAttribute("transform", "translate(60,0)");
obj = new Object();
obj.elem = document.getElementById('gtag');
obj.tagType = "rect";
obj.attributes = new Object();
obj.attributes.x = 340;
obj.attributes.y = 40;
obj.attributes.width = 10;
obj.attributes.height = 10;
obj.attributes.fill = "red";
createSVGTag(obj);
createSVGText(380, 45, "Mexico", "gtag")
obj = new Object();
obj.elem = document.getElementById('gtag');
obj.tagType = "rect";
obj.attributes = new Object();
obj.attributes.x = 340;
obj.attributes.y = 25;
obj.attributes.width = 10;
obj.attributes.height = 10;
obj.attributes.fill = "blue";
createSVGTag(obj);
createSVGText(380, 30, "NZ", "gtag");
```

Click on Run it should result in the following bar chart



