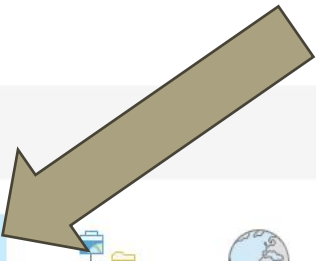


Step by Step GIS mapping

Create a Folder Assignment X



New Project



Recent Projects

Find

	Mapping uHMT Location C:\Users\Tarendra\OneDrive - CUNY\CREST-uHMT\Map-and-Plots\Mapping uHMT Location\Mapping uHMT Location.aprx	7/2/2024 3:09 PM
	DEM-ESA-NYC C:\Users\Tarendra\Documents\ArcGIS\Projects\DEM-ESA-NYC\DEM-ESA-NYC.aprx	3/7/2023 2:12 PM
	MyProject30 C:\Users\Tarendra\Documents\ArcGIS\Projects\MyProject30\MyProject30.aprx	4/16/2024 3:40 PM
	MyProject29 C:\Users\Tarendra\Documents\ArcGIS\Projects\MyProject29\MyProject29.aprx	4/9/2024 5:56 PM
	MyProject28 C:\Users\Tarendra\Documents\ArcGIS\Projects\MyProject28\MyProject28.aprx	4/9/2024 3:32 PM
	MyProject27 C:\Users\Tarendra\Documents\ArcGIS\Projects\MyProject27\MyProject27.aprx	3/12/2024 4:29 PM
	MyProject26 C:\Users\Tarendra\Documents\ArcGIS\Projects\MyProject26\MyProject26.aprx	3/12/2024 4:28 PM
	MyProject25 C:\Users\Tarendra\Documents\ArcGIS\Projects\MyProject25\MyProject25.aprx	3/12/2024 1:18 PM
	MyProject24 C:\Users\Tarendra\Documents\ArcGIS\Projects\MyProject24\MyProject24.aprx	3/5/2024 8:47 PM
	MyProject23 C:\Users\Tarendra\Documents\ArcGIS\Projects\MyProject23\MyProject23.aprx	12/12/2023 4:56 PM
	Harlem-Schools C:\Users\Tarendra\Documents\ArcGIS\Projects\Harlem-Schools\Harlem-Schools.aprx	6/27/2023 12:46 PM
	Demographics-NYC	

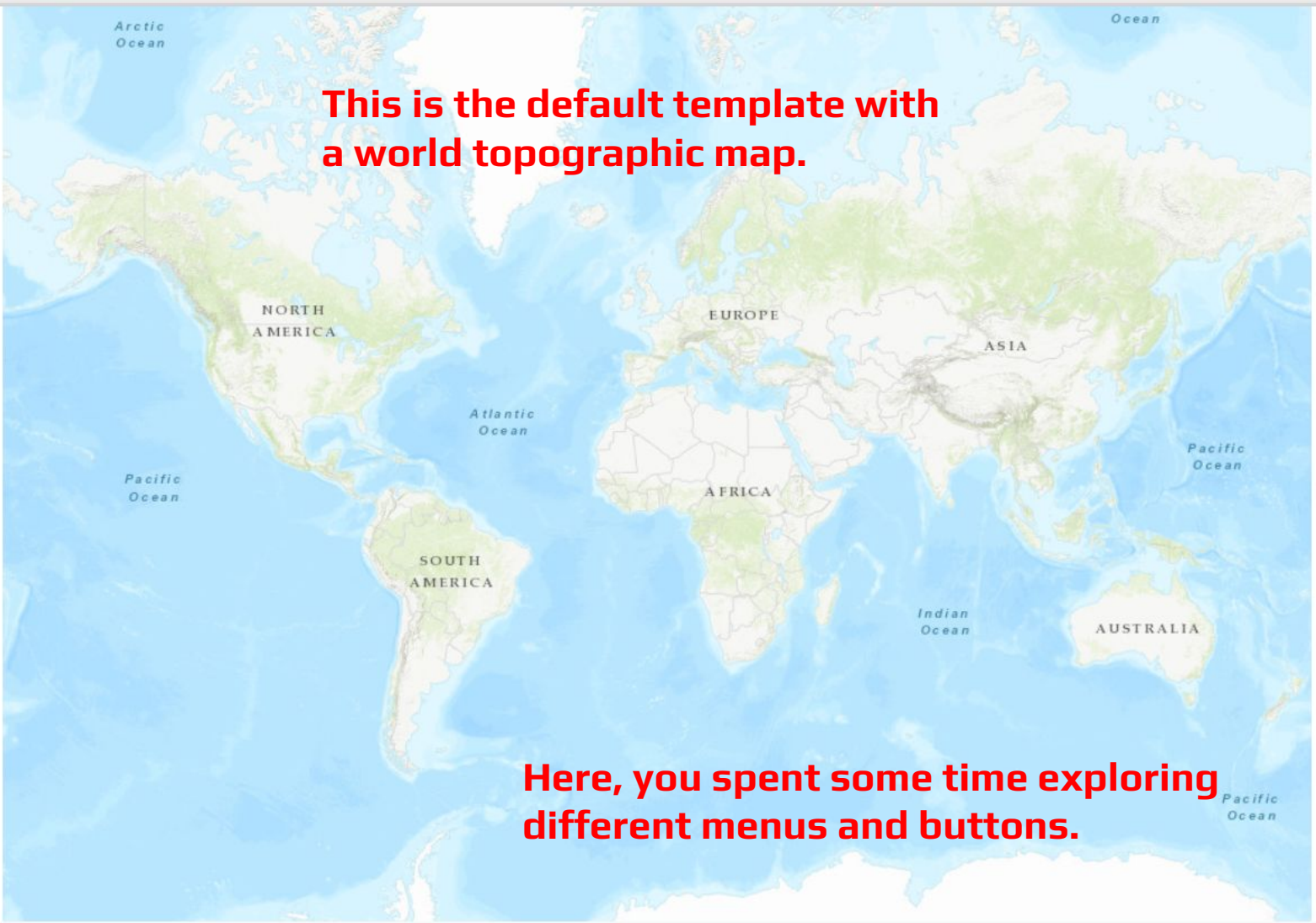
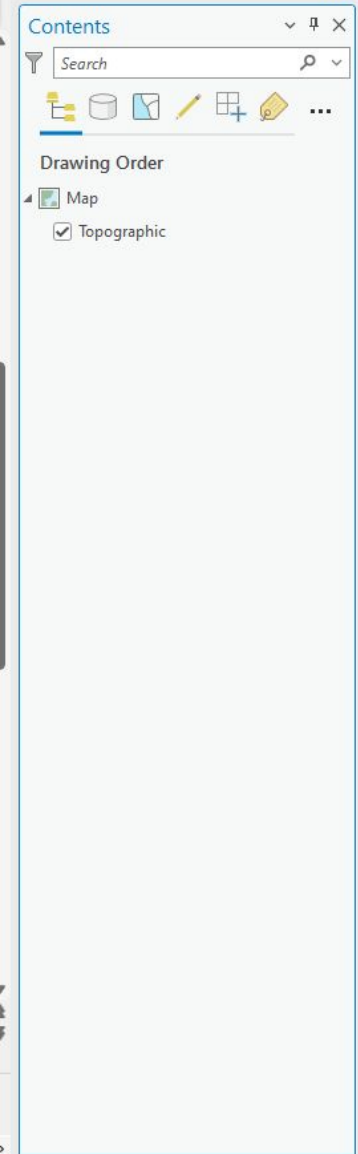
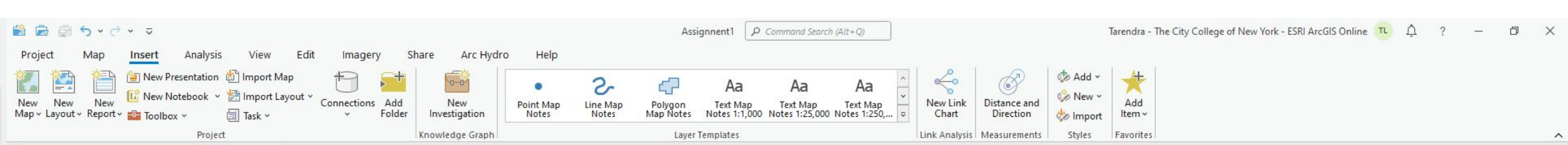


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Start with another template

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First assignment is mapping Global CO2 data

Shared with me > CUNY HIRES > GIS-ArcGIS

Type People Modified

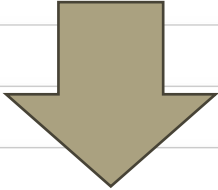
Name ↑

Assignments Data- Downloads

Assignments pdf Map - Uploads

Lessons - Presentations

GIS - Syllabus

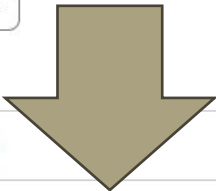


Shared wit... > CUNY HI... > GIS-Arc...

Type People Modified

Name ↑

Assignment-1-Global-CO2-Mapping



Shared wit... > ... > Assignments Data...

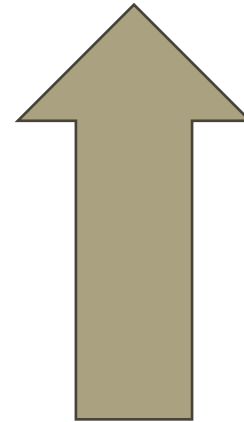
Type People Modified

Name ↑

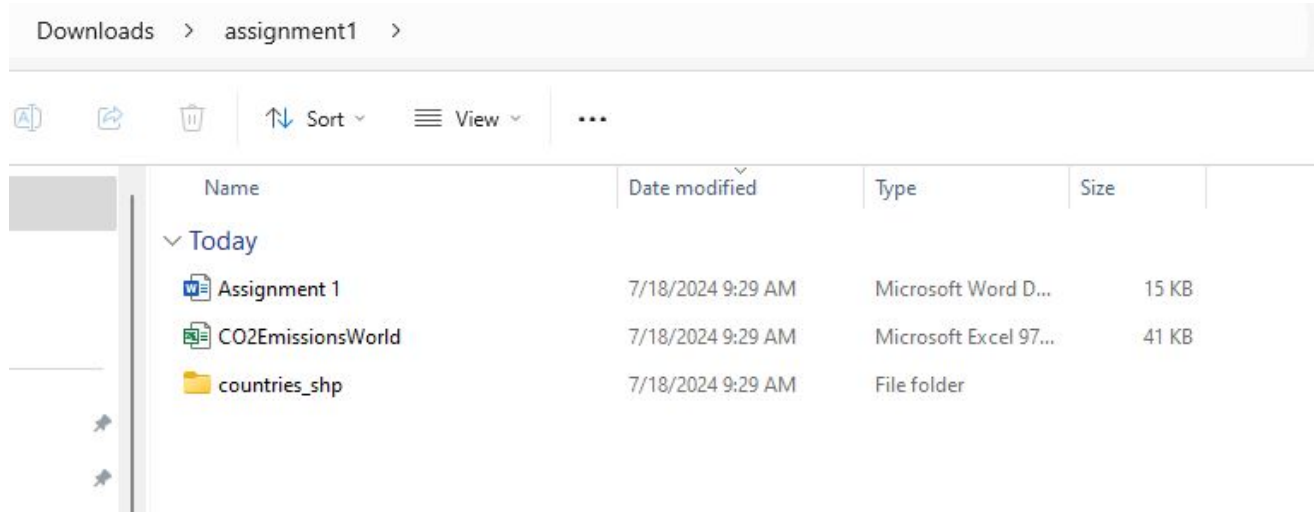
assignment1.zip

assignment1 3 items

Name	Last modified	File size
countries_shp	-	30 MB
Assignment 1.pdf	Jun 21, 2020	167 KB
CO2EmissionsWorld.xls	Apr 15, 2015	51 KB



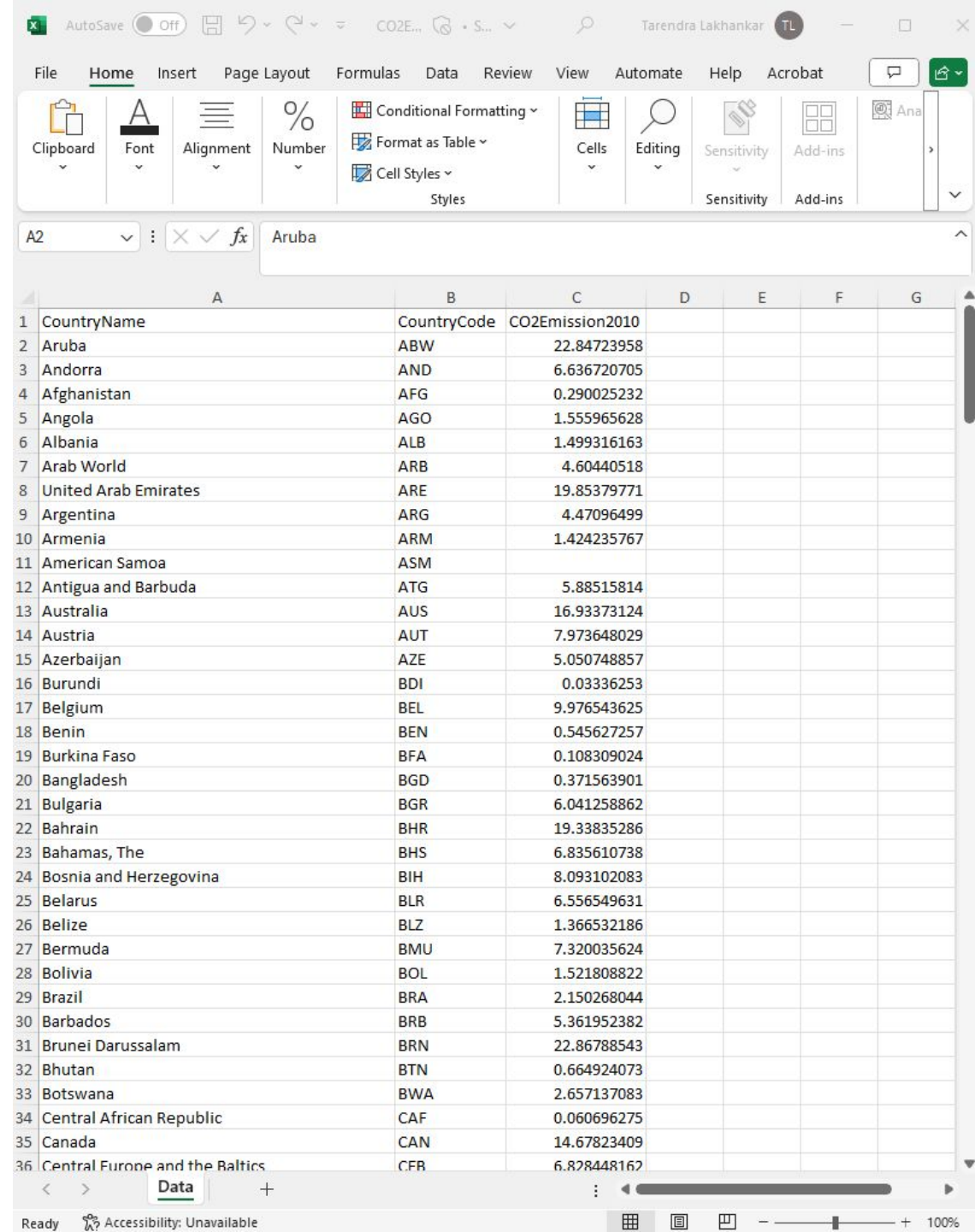
Download the zip file.



You have provided the Data in table format in an Excel file.

Country name, code, CO2 emission in MT/person/year for each country.

The objective is to create a global map using this data.

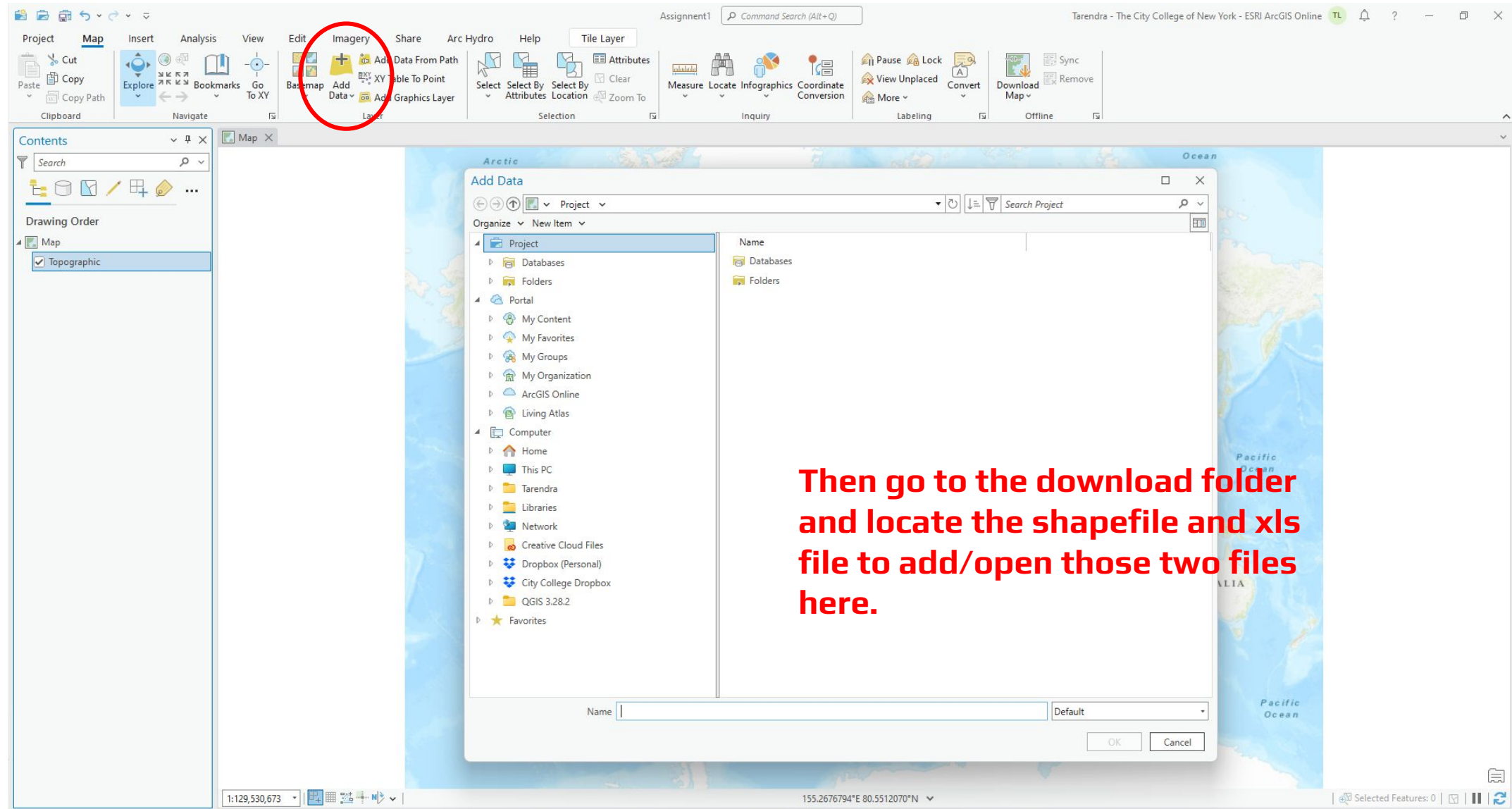


You also provided a *shapefile* of a global map that has a polygon representing each country.

The shapefile is a file that opens in ArcGIS software.

So, we will use the global map shapefile and Excel data to create a map of CO2 emissions.

- Now you already extracted the data from the Zip file. Let's add these data to ArcGIS software.



Add Data

Computer > Tarendra > Downloads > assignment1 > countries_shp

Organize > New Item

- Project
 - Databases
 - Folders
- Portal
 - My Content
 - My Favorites
 - My Groups
 - My Organization
 - ArcGIS Online
 - Living Atlas
- Computer
 - Home
 - This PC
 - Tarendra
 - Libraries
 - Network
 - Creative Cloud Files
 - Dropbox (Personal)
 - City College Dropbox
 - QGIS 3.28.2
- ★ Favorites

Name	Type	Geometry	
countries.shp	Shapefile	Polygon	7

Name Default

OK Cancel

Project Map Insert Analysis View Edit Imagery Share Arc Hydro Help Standalone Table

Clipboard Navigate Layer Selection Inquiry Labeling Offline

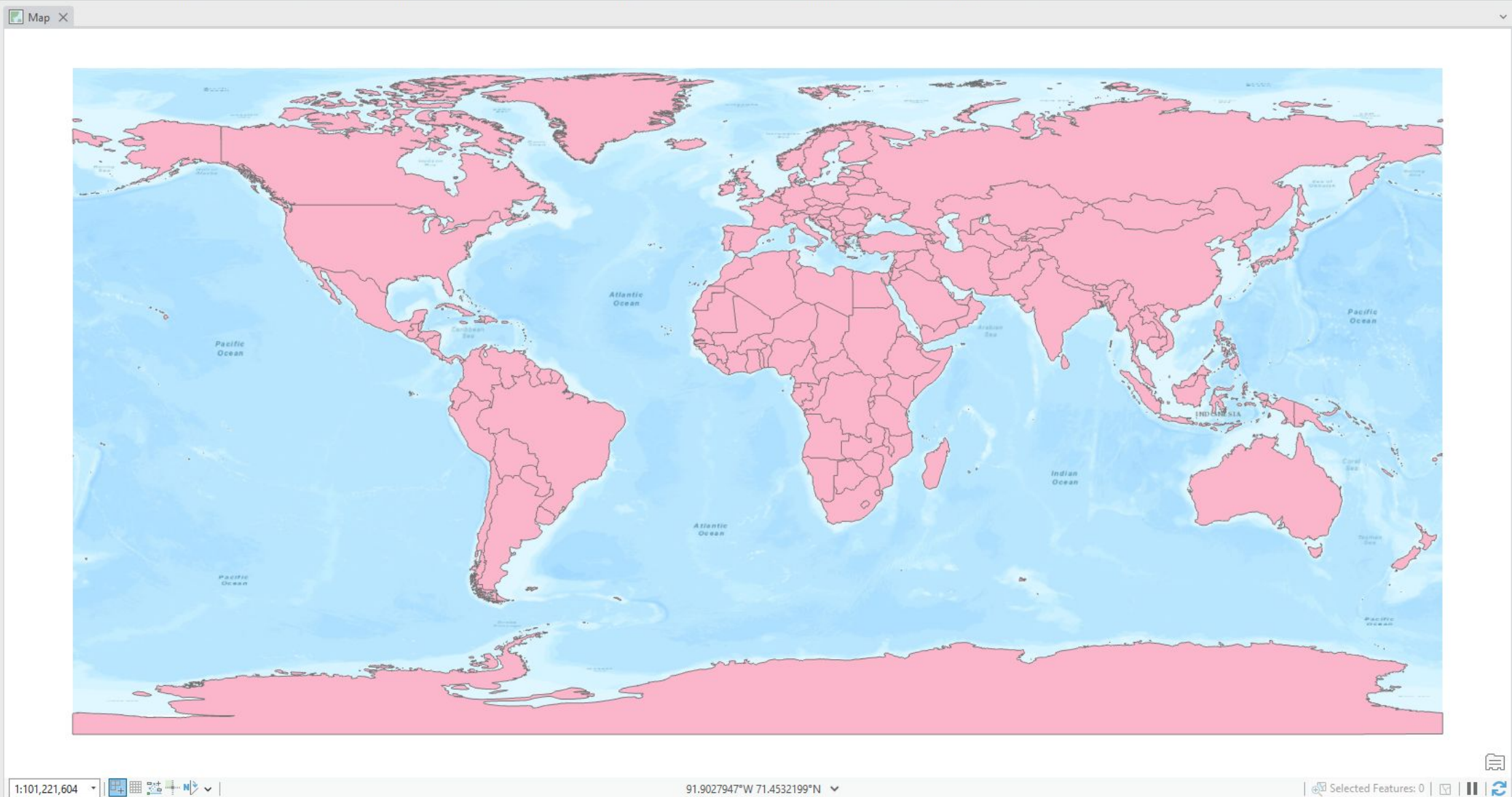
Clipboard: Cut, Copy, Paste, Copy Path
Navigate: Explore, Bookmarks, Go To XY
Layer: Add Data From Path, Add Data, XY Table To Point, Add Graphics Layer
Selection: Select, Select By Attributes, Select By Location, Clear, Zoom To
Inquiry: Measure, Locate, Infographics, Coordinate Conversion
Labeling: Pause, Lock, View Unplaced, Convert, More
Offline: Download Map, Sync, Remove

Contents

Search

Drawing Order

- Map
- countries
- Topographic
- Standalone Tables
 - Data\$



Click on some of the polygons and see what appears.

The screenshot displays the ArcGIS Online interface. The top menu bar includes Project, Map, Insert, Analysis, View, Edit, Imagery, Share, Arc Hydro, and Help. The 'Map' tab is active, showing various toolbars for navigation, selection, and data management. The 'Contents' panel on the left shows the 'countries' layer selected. The main map area displays a world map with a pink overlay. A pop-up window is open over the USA, displaying the following data:

countries - USA	
FID	251
OBJECTID	252
ISO3	USA
ISO2	US
FIPS	US
COUNTRY	United States
WAS_ISO	
CONTINENT	North America
SQKM	9325599.06407

The status bar at the bottom shows the scale as 1:101,221,604 and the coordinates as 98.3985419°W 37.5309842°N. The bottom right corner indicates 'Selected Features: 0'.

Now, let's understand what information these polygons have.

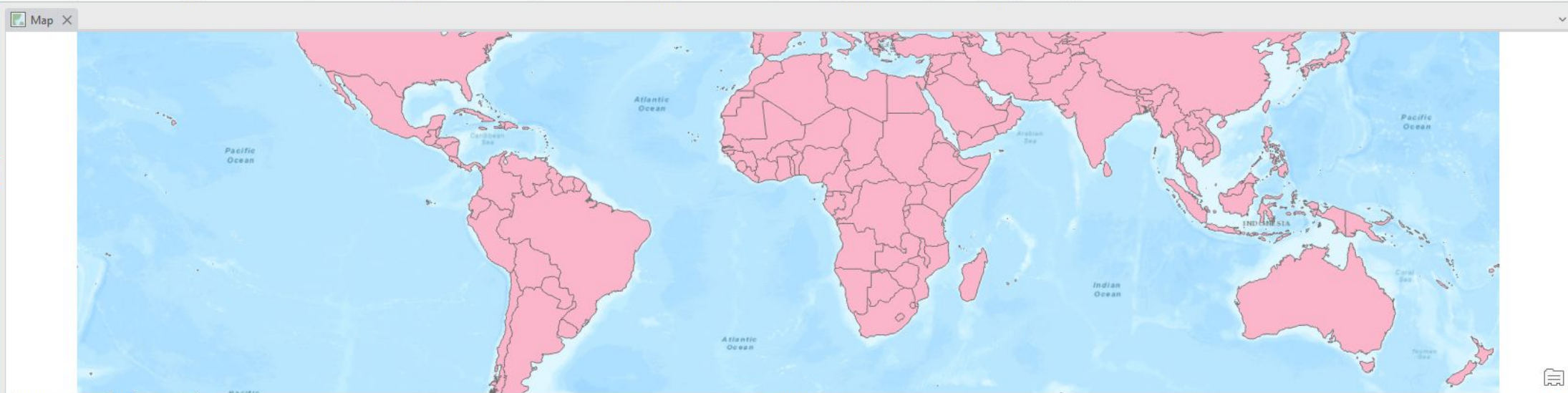
The screenshot displays the ArcGIS Online interface. The main map area shows a world map with a pink overlay covering all landmasses. The 'Contents' pane on the left shows the layer 'countries' selected, with a context menu open over it. The menu includes options such as 'Copy', 'Paste Properties', 'Remove', 'Group', 'Attribute Table', 'Open Table (Ctrl+T)', 'Create Chart', 'New Report', 'Joins and Relates', 'Zoom To Layer', 'Zoom To Make Visible', 'Selection', 'Label', 'Labeling Properties...', 'Convert Labels', 'Symbology', 'Disable Pop-ups', 'Configure Pop-ups', 'Data', 'Sharing', 'View Metadata', 'Edit Metadata', and 'Properties'. The 'Attribute Table' option is highlighted, and a tooltip for 'Open Table (Ctrl+T)' is visible, stating 'Open the attribute table for this layer.' The top toolbar shows various tools for map navigation and data management. The bottom status bar indicates the current coordinates as 197.7594168°W 11.5479951°S and shows 'Selected Features: 0'.

Contents

Search

Drawing Order

- Map
 - countries
 - Topographic
- Standalone Tables
 - Data\$



1:101,221,604 171.7764277°W 38.9744836°S Selected Features: 0

countries

Field: Add Calculate Selection: Select By Attributes Zoom To Switch Clear Delete Copy

FID	Shape *	OBJECTID	ISO3	ISO2	FIPS	COUNTRY	WAS_ISO	CONTINENT	SQKM
1	0	Polygon	1 ALA	AX	AX	Åland		Europe	1243.719143
2	1	Polygon	2 AFG	AF	AF	Afghanistan		Asia	641383.422787
3	2	Polygon	3 ALB	AL	AL	Albania		Europe	28486.109599
4	3	Polygon	4 DZA	DZ	AG	Algeria		Africa	2316558.65846
5	4	Polygon	5 ASM	AS	AQ	American Samoa		Oceania	211.015075
6	5	Polygon	6 AND	AD	AN	Andorra		Europe	474.63747
7	6	Polygon	7 AGO	AO	AO	Angola		Africa	1247356.61312
8	7	Polygon	8 AIA	AI	AV	Anguilla		North America	82.567101
9	8	Polygon	9 ATA	AQ	AY	Antarctica		Antartica	12538778.3268
10	9	Polygon	10 ATG	AG	AC	Antigua and Barbuda		North America	443.221632
11	10	Polygon	11 ARG	AR	AR	Argentina		South America	2779705.33743
12	11	Polygon	12 ARM	AM	AM	Armenia	SUN	Asia	29688.437379
13	12	Polygon	13 ABW	AW	AA	Aruba	ANT	South America	181.606907

0 of 265 selected

Filters: 100%

Now, let's understand what information the Excel file we added has.

The screenshot shows the ArcGIS Online interface with a world map. A context menu is open over the 'countries' layer in the Contents pane. The 'Open Table' option is selected, displaying a table of country data. The table has the following columns: OBJECTID, ISO3, ISO2, FIPS, COUNTRY, WAS_ISO, CONTINENT, and SQKM. The first 13 rows of data are visible.

OBJECTID	ISO3	ISO2	FIPS	COUNTRY	WAS_ISO	CONTINENT	SQKM
1	ALA	AX	AX	Åland		Europe	1243.719143
2	AFG	AF	AF	Afghanistan		Asia	641383.422787
3	ALB	AL	AL	Albania		Europe	28486.109599
4	DZA	DZ	AG	Algeria		Africa	2316558.65846
5	ASM	AS	AQ	American Samoa		Oceania	211.015075
6	AND	AD	AN	Andorra		Europe	474.63747
7	AGO	AO	AO	Angola		Africa	1247356.61312
8	AIA	AI	AV	Anguilla		North America	82.567101
9	ATA	AQ	AY	Antarctica		Antarctica	12538778.3268
10	ATG	AG	AC	Antigua and Barbuda		North America	443.221632
11	ARG	AR	AR	Argentina		South America	2779705.33743
12	ARM	AM	AM	Armenia	SUN	Asia	29688.437379
13	ABW	AW	AA	Aruba	ANT	South America	181.606907

Drag them side by side. See what column is **matching/Common** that can help us to join the data from CO2 emission table to Shapefile to plot.

The screenshot displays the ArcGIS Pro interface. The main map shows a world map with countries highlighted in pink. The 'Contents' pane on the left shows the 'Data\$' table selected under 'Standalone Tables'. The 'Data\$' table is open in the bottom right, showing a list of countries with their corresponding CO2 emissions for the year 2010. The 'countries' table is also visible in the bottom left, showing a list of countries with their corresponding shapefile attributes.

CountryName	CountryCode	CO2Emission2010	ObjectID *
Aruba	ABW	22.84724	1
Andorra	AND	6.636721	2
Afghanistan	AFG	0.290025	3
Angola	AGO	1.555966	4
Albania	ALB	1.499316	5
Arab World	ARB	4.604405	6
United Arab Emirates	ARE	19.853798	7
Argentina	ARG	4.470965	8
Armenia	ARM	1.424236	9
American Samoa	ASM	<Null>	10
Antigua and Barbuda	ATG	5.885158	11

FID	Shape *	OBJECTID	ISO3	ISO2	FIPS	COUNTRY	WAS_ISO	CONTINENT	SQKM
1	0	Polygon	1	ALA	AX	Åland		Europe	1243.719143
2	1	Polygon	2	AFG	AF	Afghanistan		Asia	641383.422787
3	2	Polygon	3	ALB	AL	Albania		Europe	28486.109599
4	3	Polygon	4	DZA	DZ	Algeria		Africa	2316558.65846
5	4	Polygon	5	ASM	AS	American Samoa		Oceania	211.015075
6	5	Polygon	6	AND	AD	Andorra		Europe	474.63747
7	6	Polygon	7	AGO	AO	Angola		Africa	1247356.61312
8	7	Polygon	8	AIA	AI	Anguilla		North America	82.567101
9	8	Polygon	9	ATA	AQ	Antarctica		Antarctica	12538778.3268
10	9	Polygon	10	ATG	AG	Antigua and Barbuda		North America	443.221632
11	10	Polygon	11	ARG	AR	Argentina		South America	2779705.33743
12	11	Polygon	12	ARM	AM	Armenia	SUN	Asia	29688.437379
13	12	Polygon	13	ABW	AW	Aruba	ANT	South America	181.606907

Drag them side by side. See what column is **matching/Common** that can help us to join the data from CO2 emission table to Shapefile to plot.

The screenshot shows the ArcGIS Pro interface with a world map. A yellow text box is overlaid on the map, stating: "2 columns have similar information: Country name and Country code." Below the map, two data tables are visible. The left table is titled "countries" and the right table is titled "Data\$".

FID	Shape *	OBJECTID	ISO3	ISO2	FIPS	COUNTRY	WAS_ISO	CONTINENT	SQKM
1	0	Polygon	1 ALA	AX	AX	Åland		Europe	1243.719143
2	1	Polygon	2 AFG	AF	AF	Afghanistan		Asia	641383.422787
3	2	Polygon	3 ALB	AL	AL	Albania		Europe	28486.109599
4	3	Polygon	4 DZA	DZ	AG	Algeria		Africa	2316558.65846
5	4	Polygon	5 ASM	AS	AQ	American Samoa		Oceania	211.015075
6	5	Polygon	6 AND	AD	AN	Andorra		Europe	474.63747
7	6	Polygon	7 AGO	AO	AO	Angola		Africa	1247356.61312
8	7	Polygon	8 AIA	AI	AV	Anguilla		North America	82.567101
9	8	Polygon	9 ATA	AQ	AY	Antarctica		Antarctica	12538778.3268
10	9	Polygon	10 ATG	AG	AC	Antigua and Barbuda		North America	443.221632
11	10	Polygon	11 ARG	AR	AR	Argentina		South America	2779705.33743
12	11	Polygon	12 ARM	AM	AM	Armenia	SUN	Asia	29688.437379
13	12	Polygon	13 ABW	AW	AA	Aruba	ANT	South America	181.606907

CountryName	CountryCode	CO2Emission2010	ObjectID *
1 Aruba	ABW	22.84724	1
2 Andorra	AND	6.636721	2
3 Afghanistan	AFG	0.290025	3
4 Angola	AGO	1.555966	4
5 Albania	ALB	1.499316	5
6 Arab World	ARB	4.604405	6
7 United Arab Emirates	ARE	19.853798	7
8 Argentina	ARG	4.470965	8
9 Armenia	ARM	1.424236	9
10 American Samoa	ASM	<Null>	10
11 Antigua and Barbuda	ATG	5.885158	11

Let's use country code.

The screenshot displays the ArcGIS Online interface with a map of the Americas. The 'Joins and Relates' menu is open, and the 'Add Join' dialog box is in the foreground. The dialog box is configured as follows:

- Input Table:** countries
- Input Field:** ISO3
- Join Table:** Data\$
- Join Field:** CountryCode
- Keep all input records
- Index join fields
- Join Operation:** (empty dropdown)
- Validate Join** button
- OK** button

The background map shows the continents of North and South America in pink, with the Atlantic and Pacific Oceans in light blue. The interface includes a top toolbar with various tools like 'Map', 'Analysis', and 'View', and a left sidebar with 'Content' and 'Drawings' panels.

Now you will see 3 new columns are added to shapefile data.

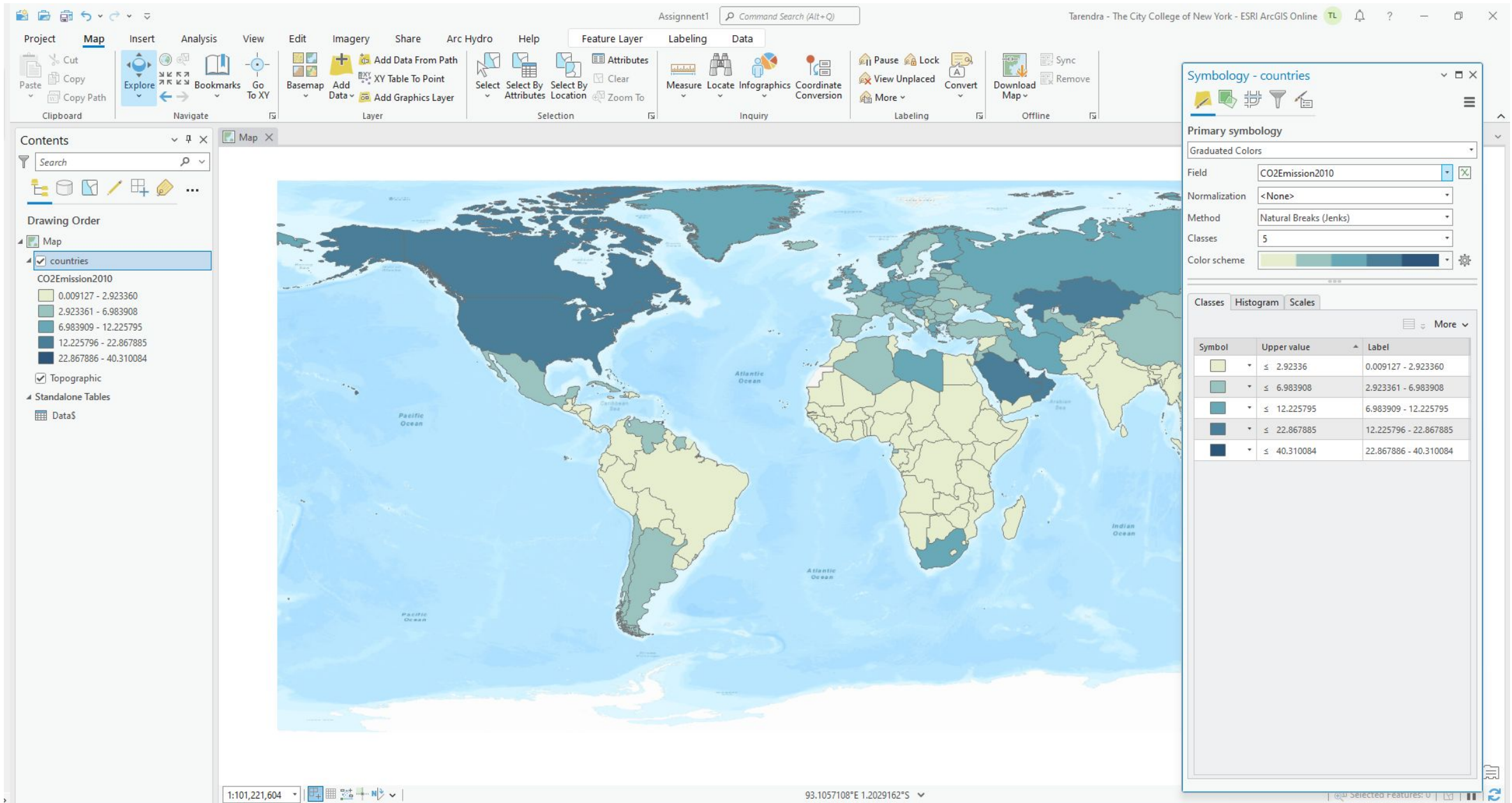
The screenshot displays the ArcGIS Online interface. At the top, the title bar shows 'Assignment1' and 'Tarendra - The City College of New York - ESRI ArcGIS Online'. The ribbon includes tabs for Project, Map, Insert, Analysis, View, Edit, Imagery, Share, Arc Hydro, Help, Table, Feature Layer, Labeling, and Data. The 'Table' tab is active, showing a data table for the 'countries' layer. The table has 13 rows and 13 columns. The last three columns, 'CountryCode', 'CO2Emission2010', and 'ObjectID *', are highlighted with a red box. The map shows a world map with countries colored in pink. The 'Contents' pane on the left shows the 'countries' layer selected. The 'Drawing Order' pane shows 'countries' checked, along with 'Topographic' and 'Standalone Tables'. The 'Data\$' pane is also visible. The status bar at the bottom shows '0 of 265 selected' and 'Filters: 100%'.

FID	Shape	OBJECTID	ISO3	ISO2	FIPS	COUNTRY	WAS_ISO	CONTINENT	SQKM	CountryName	CountryCode	CO2Emission2010	ObjectID *
1	0	Polygon	1 ALA	AX	AX	Åland		Europe	1243.719143	<Null>	<Null>	<Null>	<Null>
2	1	Polygon	2 AFG	AF	AF	Afghanistan		Asia	641383.422787	Afghanistan	AFG	0.290025	3
3	2	Polygon	3 ALB	AL	AL	Albania		Europe	28486.109599	Albania	ALB	1.499316	5
4	3	Polygon	4 DZA	DZ	AG	Algeria		Africa	2316558.65846	Algeria	DZA	3.331512	58
5	4	Polygon	5 ASM	AS	AQ	American Samoa		Oceania	211.015075	American Samoa	ASM	<Null>	10
6	5	Polygon	6 AND	AD	AN	Andorra		Europe	474.63747	Andorra	AND	6.636721	2
7	6	Polygon	7 AGO	AO	AO	Angola		Africa	1247356.61312	Angola	AGO	1.555966	4
8	7	Polygon	8 AIA	AI	AV	Anguilla		North America	82.567101	<Null>	<Null>	<Null>	<Null>
9	8	Polygon	9 ATA	AQ	AY	Antarctica		Antarctica	12538778.3268	<Null>	<Null>	<Null>	<Null>
10	9	Polygon	10 ATG	AG	AC	Antigua and Barbuda		North America	443.221632	Antigua and Barbuda	ATG	5.885158	11
11	10	Polygon	11 ARG	AR	AR	Argentina		South America	2779705.33743	Argentina	ARG	4.470965	8
12	11	Polygon	12 ARM	AM	AM	Armenia	SUN	Asia	29688.437379	Armenia	ARM	1.424236	9
13	12	Polygon	13 ABW	AW	AA	Aruba	ANT	South America	181.606907	Aruba	ABW	22.84724	1

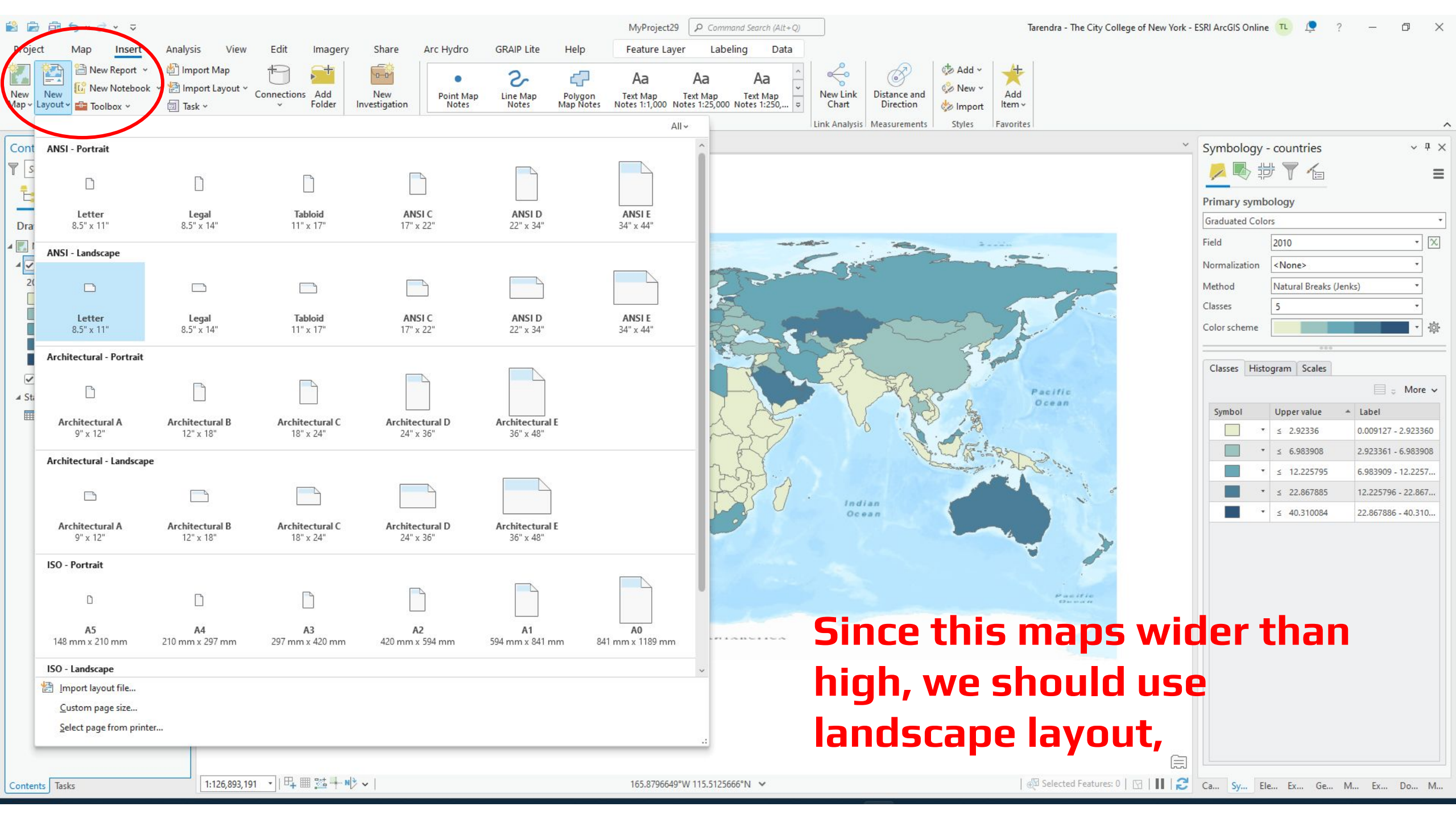
Right-click on the Country layer and click on Symbology.

The screenshot displays the ArcGIS Online interface. At the top, the title bar shows 'Assignment1' and 'Tarendra - The City College of New York - ESRI ArcGIS Online'. The ribbon includes tabs for Project, Map, Insert, Analysis, View, Edit, Imagery, Share, Arc Hydro, Help, Feature Layer, Labeling, and Data. The 'Map' tab is active, showing various navigation and editing tools. On the left, the 'Content' pane shows a list of layers, with the 'Country' layer selected. A context menu is open over the 'Country' layer, listing actions such as 'Copy', 'Paste Properties', 'Remove', 'Group', 'Attribute Table', 'Data Engineering', 'Add Error Layers', 'Data Design', 'Create Chart', 'New Report', 'Joins and Relates', 'Zoom To Layer', 'Zoom To Make Visible', 'Selection', 'Label', 'Labeling Properties...', 'Convert Labels', and 'Symbology'. The 'Symbology' option is highlighted. The main map area shows a world map with the 'Country' layer highlighted in pink. The map includes labels for the Pacific Ocean, Atlantic Ocean, Indian Ocean, and various seas. The bottom status bar shows a scale of 1:101,221,604, coordinates of 196.7970838°W 4.3304982°N, and 'Selected Features: 0'.

Here is map.



Now let's learn how to export this map with Title, North Arrow, Scale Bar, Legends, and creator (Your name) name



ANSI - Portrait

Letter 8.5" x 11"	Legal 8.5" x 14"	Tabloid 11" x 17"	ANSI C 17" x 22"	ANSI D 22" x 34"	ANSI E 34" x 44"
-------------------	------------------	-------------------	------------------	------------------	------------------

ANSI - Landscape

Letter 8.5" x 11"	Legal 8.5" x 14"	Tabloid 11" x 17"	ANSI C 17" x 22"	ANSI D 22" x 34"	ANSI E 34" x 44"
-------------------	------------------	-------------------	------------------	------------------	------------------

Architectural - Portrait

Architectural A 9" x 12"	Architectural B 12" x 18"	Architectural C 18" x 24"	Architectural D 24" x 36"	Architectural E 36" x 48"
--------------------------	---------------------------	---------------------------	---------------------------	---------------------------

Architectural - Landscape

Architectural A 9" x 12"	Architectural B 12" x 18"	Architectural C 18" x 24"	Architectural D 24" x 36"	Architectural E 36" x 48"
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ISO - Portrait

A5 148 mm x 210 mm	A4 210 mm x 297 mm	A3 297 mm x 420 mm	A2 420 mm x 594 mm	A1 594 mm x 841 mm	A0 841 mm x 1189 mm
--------------------	--------------------	--------------------	--------------------	--------------------	---------------------

ISO - Landscape

Import layout file...
Custom page size...
Select page from printer...



Symbology - countries

Primary symbology

Graduated Colors

Field: 2010

Normalization: <None>

Method: Natural Breaks (Jenks)

Classes: 5

Color scheme

Classes Histogram Scales

Symbol	Upper value	Label
Light yellow	≤ 2.92336	0.009127 - 2.923360
Light green	≤ 6.983908	2.923361 - 6.983908
Medium green	≤ 12.225795	6.983909 - 12.225795
Dark green	≤ 22.867885	12.225796 - 22.867885
Dark blue	≤ 40.310084	22.867886 - 40.310084

Since this maps wider than high, we should use landscape layout,

Project Layout **Insert** Analysis View Imagery Share Arc Hydro GRAIP Lite Help

New Map New Layout New Notebook New Report Import Map Import Layout Task
 Connections Add Folder New Investigation Map Frame Extent Indicator Grid Refresh Map Series

North Arrow Scale Bar Legend Chart Frame Table Frame Additional Surrounds
 Graphics and Text Dynamic Text Add New Import Styles Favorites

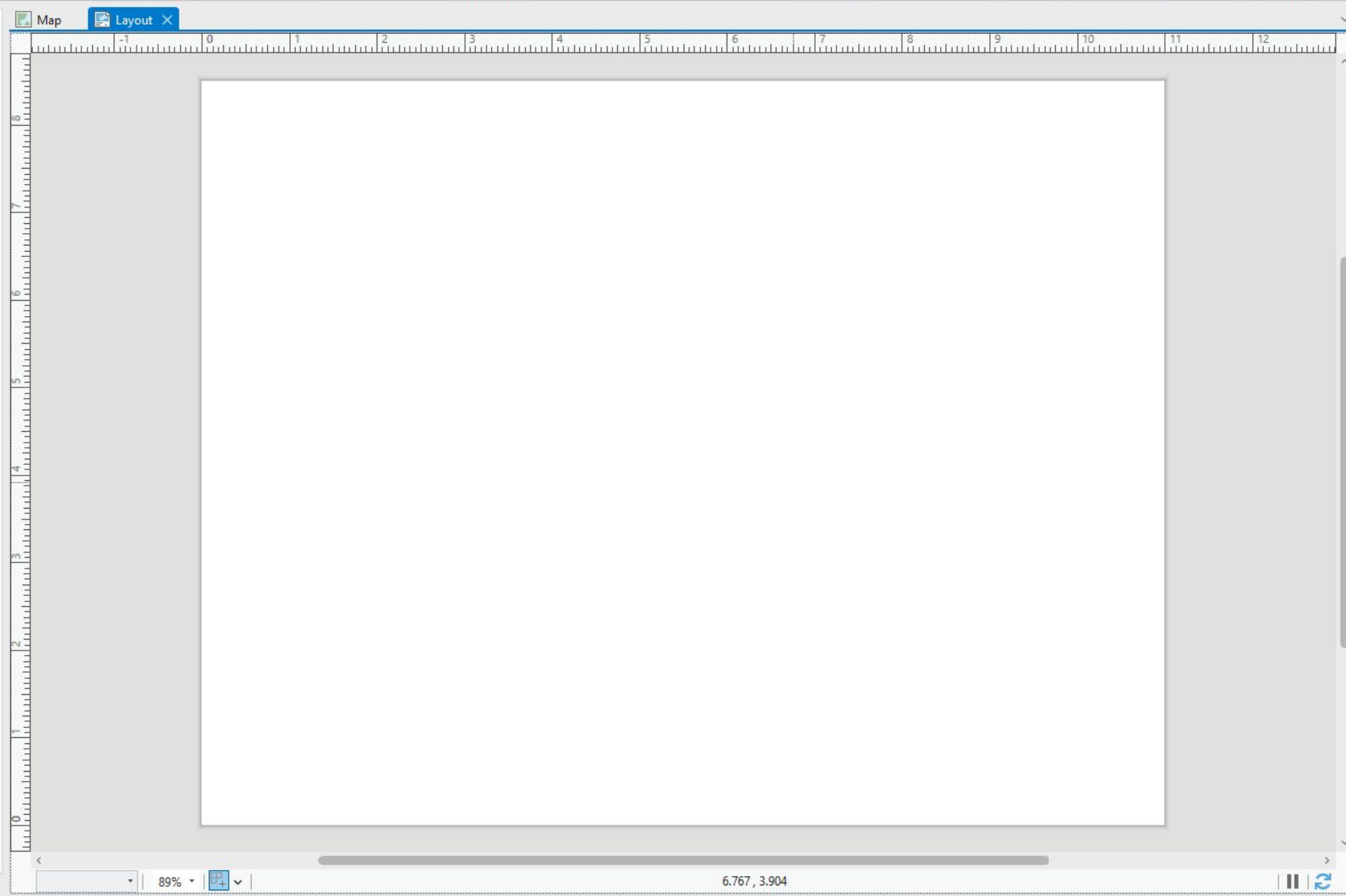
Contents

Search

Drawing Order

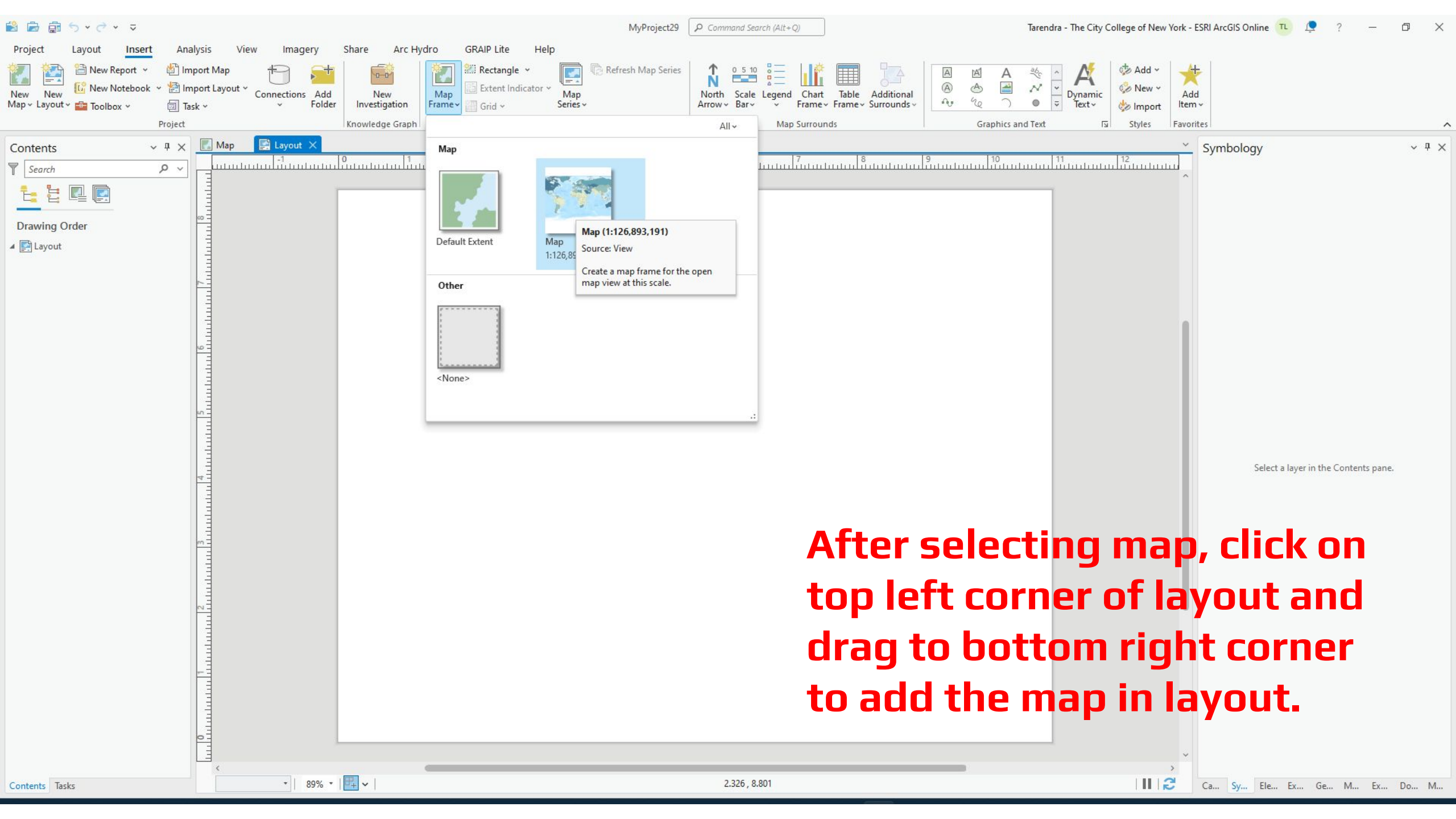
- Layout

Contents Tasks



Symbology

Select a layer in the Contents pane.



After selecting map, click on top left corner of layout and drag to bottom right corner to add the map in layout.

Project Layout **Insert** Analysis View Imagery Share Arc Hydro GRAIP Lite Help

New Map New Layout New Report New Notebook Import Map Import Layout Task

Connections Add Folder New Investigation Map Frame Rectangle Extent Indicator Grid Refresh Map Series

North Arrow Scale Bar Legend Chart Frame Table Frame Additional Surrounds

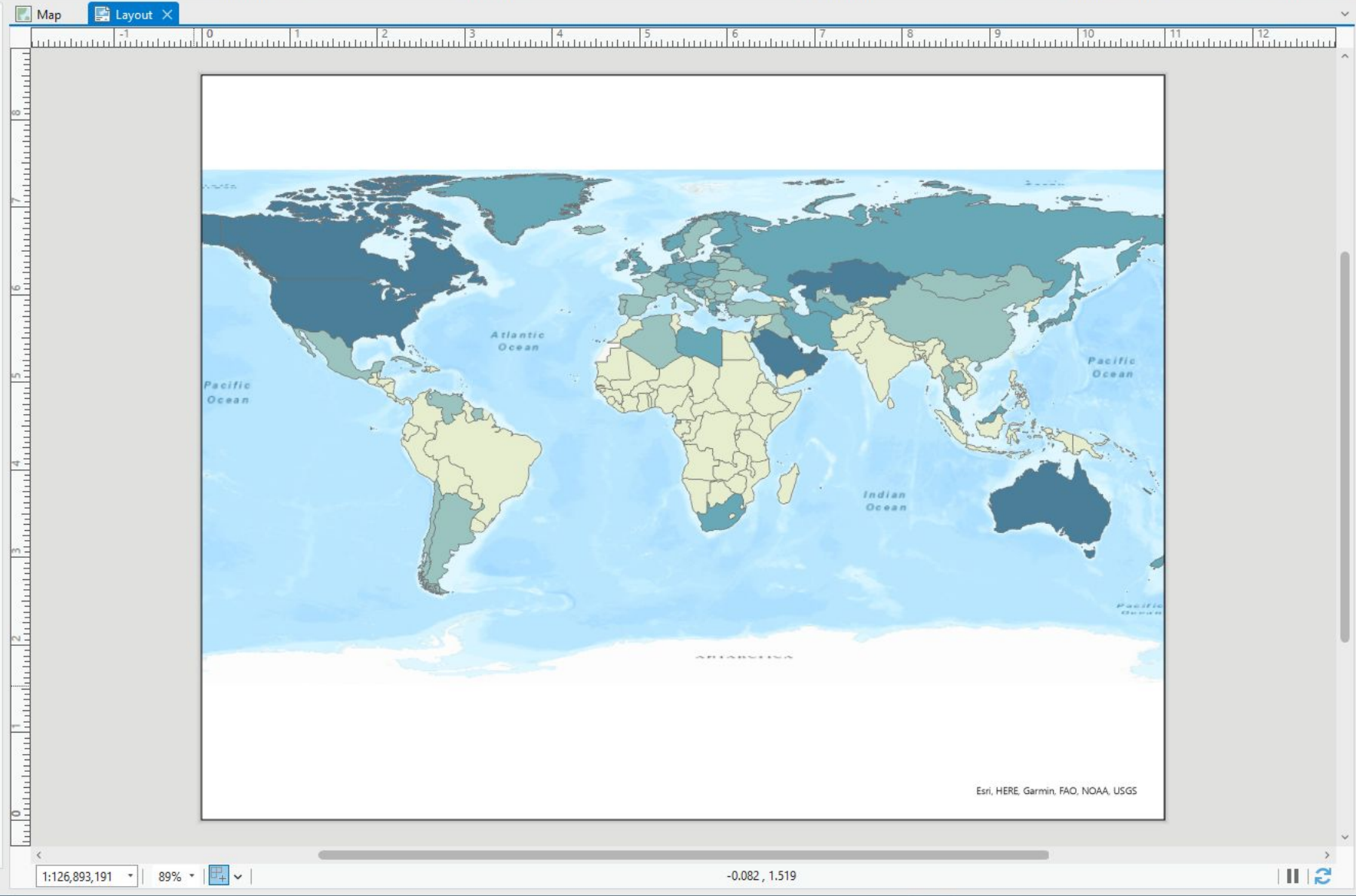
Graphics and Text Dynamic Text Styles Favorites

Contents

Search

Drawing Order

- Layout
 - Map Frame
 - Map
 - countries
 - 2010
 - 0.009127 - 2.923360
 - 2.923361 - 6.983908
 - 6.983909 - 12.225795
 - 12.225796 - 22.867885
 - 22.867886 - 40.310084
- Standalone Tables
 - Data\$



Symbology

Select a layer in the Contents pane.

Project Layout **Insert** Analysis View Imagery Share Arc Hydro GRAIP Lite Help

New Map New Layout New Report New Notebook Import Map Import Layout Task

Connections Add Folder New Investigation Map Frame Rectangle Extent Indicator Grid Refresh Map Series

North Arrow Scale Bar Legend Chart Frame Table Frame Additional Surrounds

Graphics and Text Dynamic Text Styles Favorites

Contents

Search

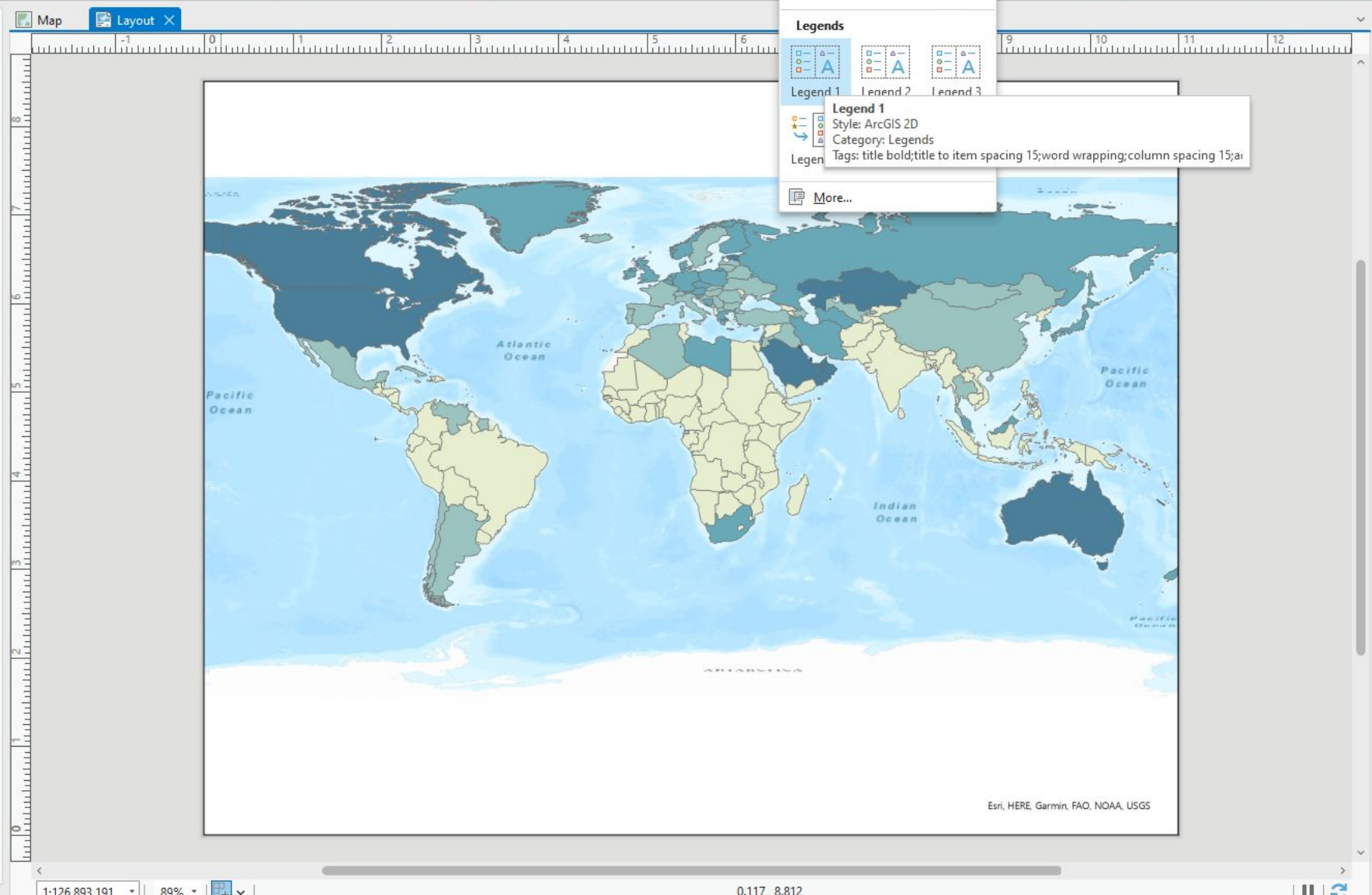
Drawing Order

Layout

Map Frame

Map

- countries
- 2010
 - 0.009127 - 2.923360
 - 2.923361 - 6.983908
 - 6.983909 - 12.225795
 - 12.225796 - 22.867885
 - 22.867886 - 40.310084
- Topographic
- Standalone Tables
 - Data\$



Symbology

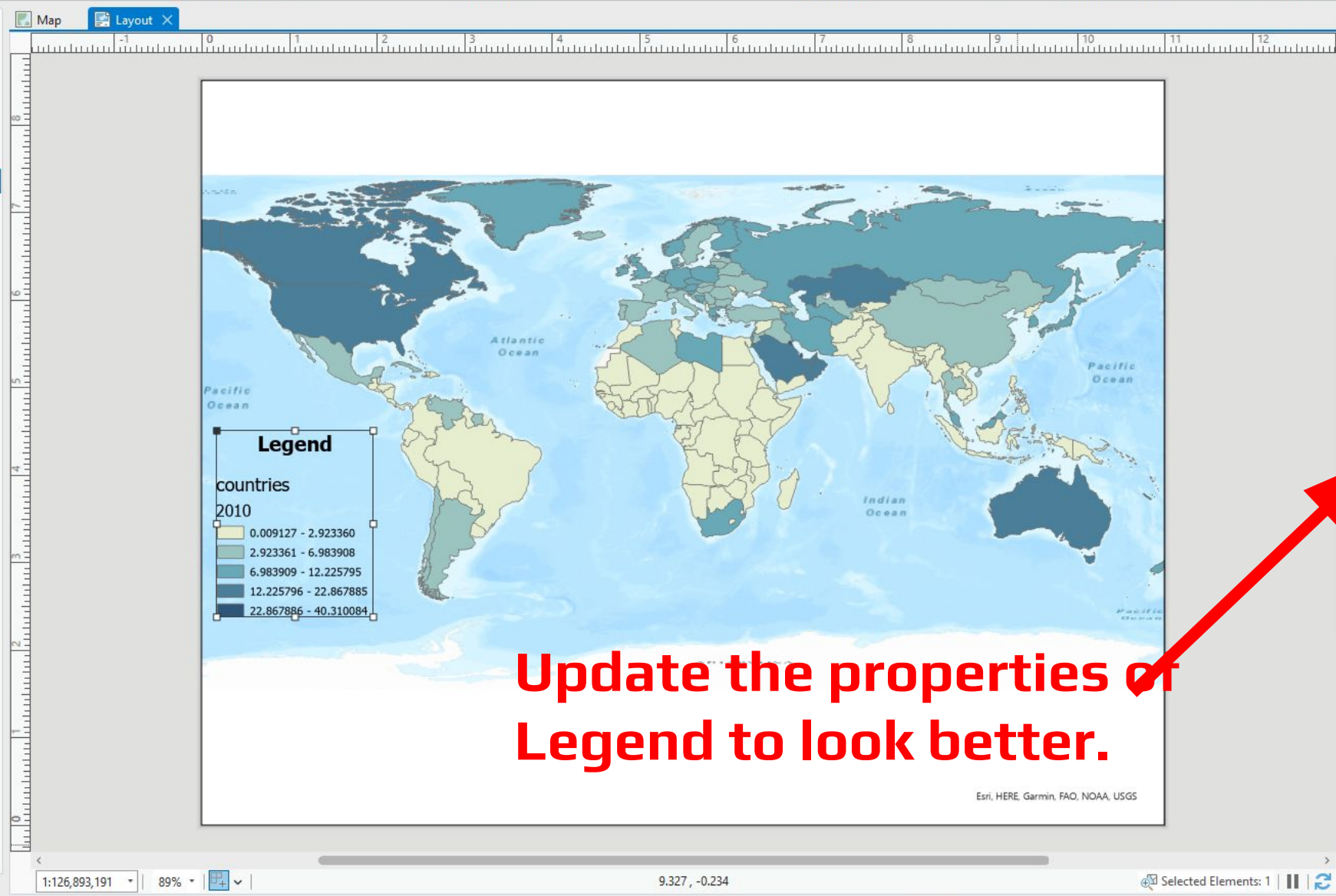
Select a layer in the Contents pane.

Contents

Search

Drawing Order

- Layout
 - Legend
 - countries
 - Map Frame
 - Map
 - countries
 - 2010
 - 0.009127 - 2.923360
 - 2.923361 - 6.983908
 - 6.983909 - 12.225795
 - 12.225796 - 22.867885
 - 22.867886 - 40.310084
 - Standalone Tables
 - Data\$



Element Legend

Legend Text Symbol

Options

General

Name Legend

Visible

Locked

Legend

Map frame Map Frame

Title Show

Legend

Legend Items

Show properties...

Sync font Show properties...
Show legend item options. Making changes will update all the items. If you want to give unique settings to a single item, select that item in the contents pane and show its properties.

Synchronize

Layer visible

Layer order

New layer

Reference scale

Update the properties of Legend to look better.

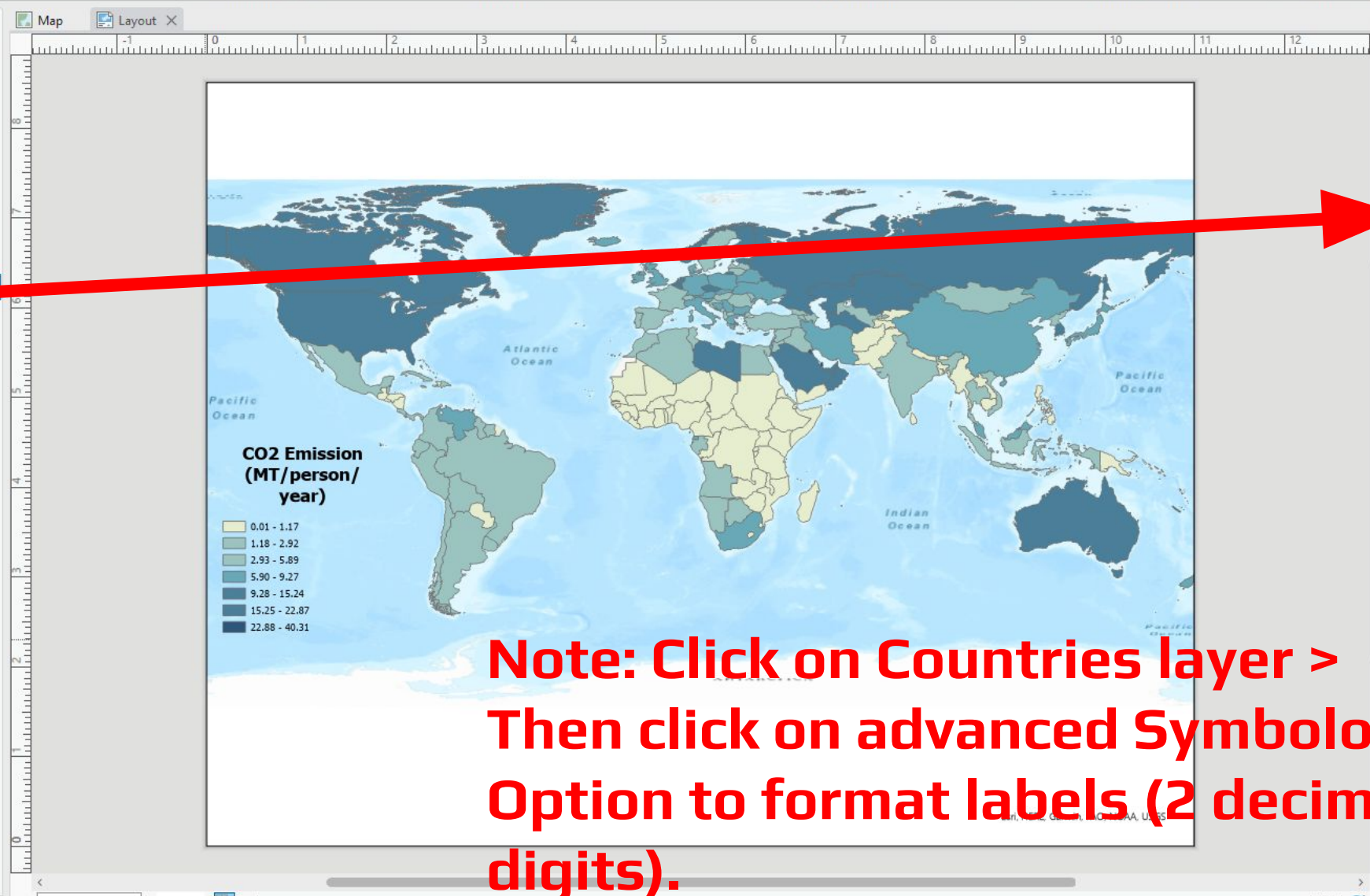


Contents

Search

Drawing Order

- Layout
 - Legend
 - countries
 - Map Frame
 - Map
 - countries
- 2010
 - 0.01 - 1.17
 - 1.18 - 2.92
 - 2.93 - 5.89
 - 5.90 - 9.27
 - 9.28 - 15.24
 - 15.25 - 22.87
 - 22.88 - 40.31
- Topographic
- Standalone Tables
 - Data\$



Symbology - countries

Advanced symbology options

Format labels

Category: Numeric

Rounding

- Decimal places: 2
- Significant digits: 2

Alignment

- Left
- Right: 0

Show thousands separators

Pad with zeros

Show plus sign

Suffix (optional):

Sample size

Data exclusion

Feature level masking

Feature drawing order

Note: Click on Countries layer > Then click on advanced Symbology Option to format labels (2 decimal digits).

Project Layout **Insert** Analysis View Imagery Share Arc Hydro GRAIP Lite Help

New Map New Layout New Report New Notebook Import Map Import Layout Task

Connections Add Folder New Investigation Map Frame Rectangle Extent Indicator Map Series Refresh Map Series

North Arrow Scale Bar Legend Chart Frame Table Frame Additional Surrounds

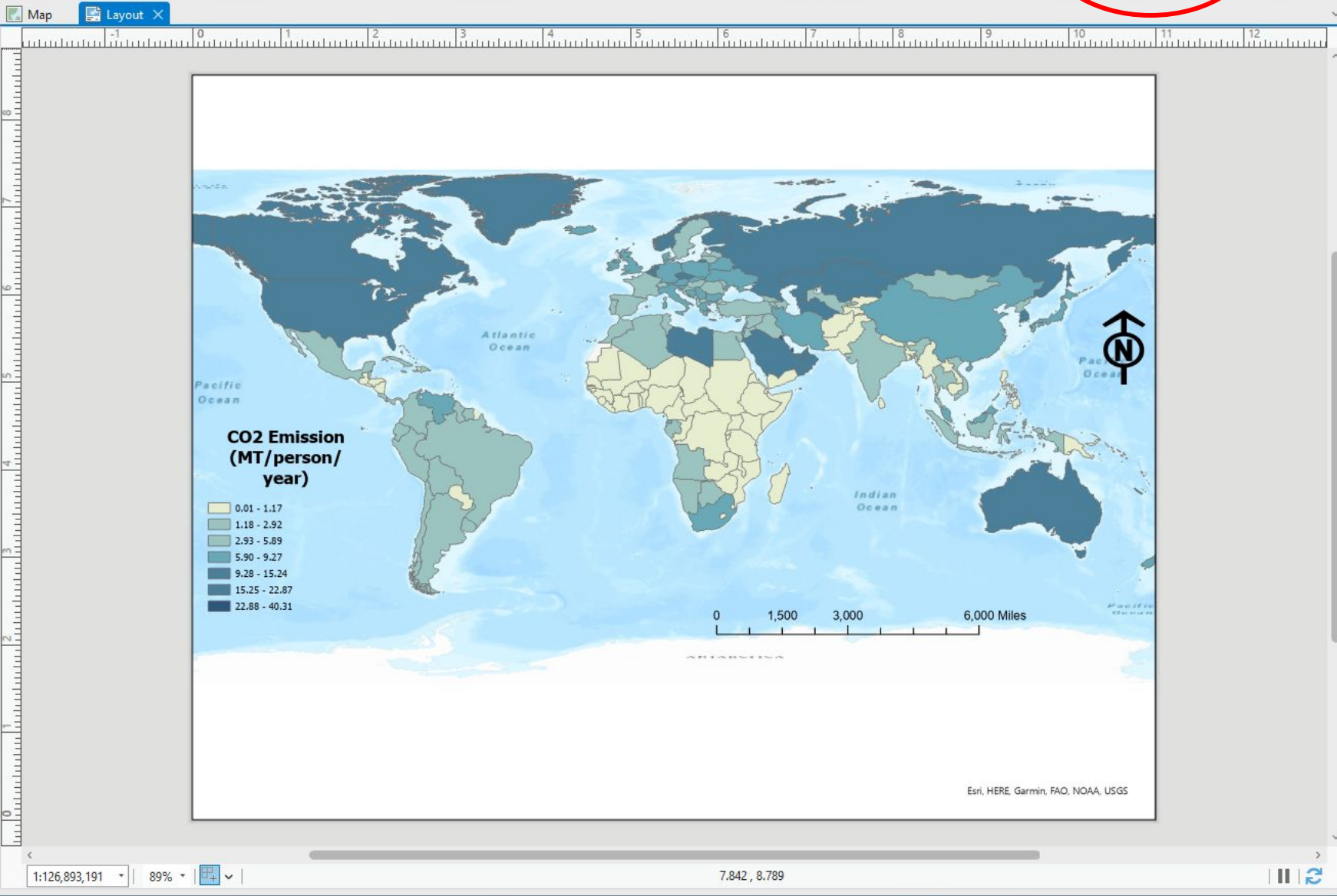
Graphics and Text **Straight text** Add New Import Add Item

Contents

Search

Drawing Order

- Layout
 - North Arrow
 - Scale Bar
 - Legend
 - countries
 - Map Frame
 - Map
 - countries
 - 2010
 - 0.01 - 1.17
 - 1.18 - 2.92
 - 2.93 - 5.89
 - 5.90 - 9.27
 - 9.28 - 15.24
 - 15.25 - 22.87
 - 22.88 - 40.31
 - Topographic
- Standalone Tables
 - Data\$



Symbology

Select a layer in the Contents pane.

Project Layout **Insert** Analysis View Imagery Share Arc Hydro GRAIP Lite Help

New Map New Layout New Report New Notebook Import Map Import Layout Task

Connections Add Folder New Investigation Map Frame Rectangle Extent Indicator Grid Refresh Map Series

North Arrow Scale Bar Legend Chart Frame Table Frame Additional Surrounds

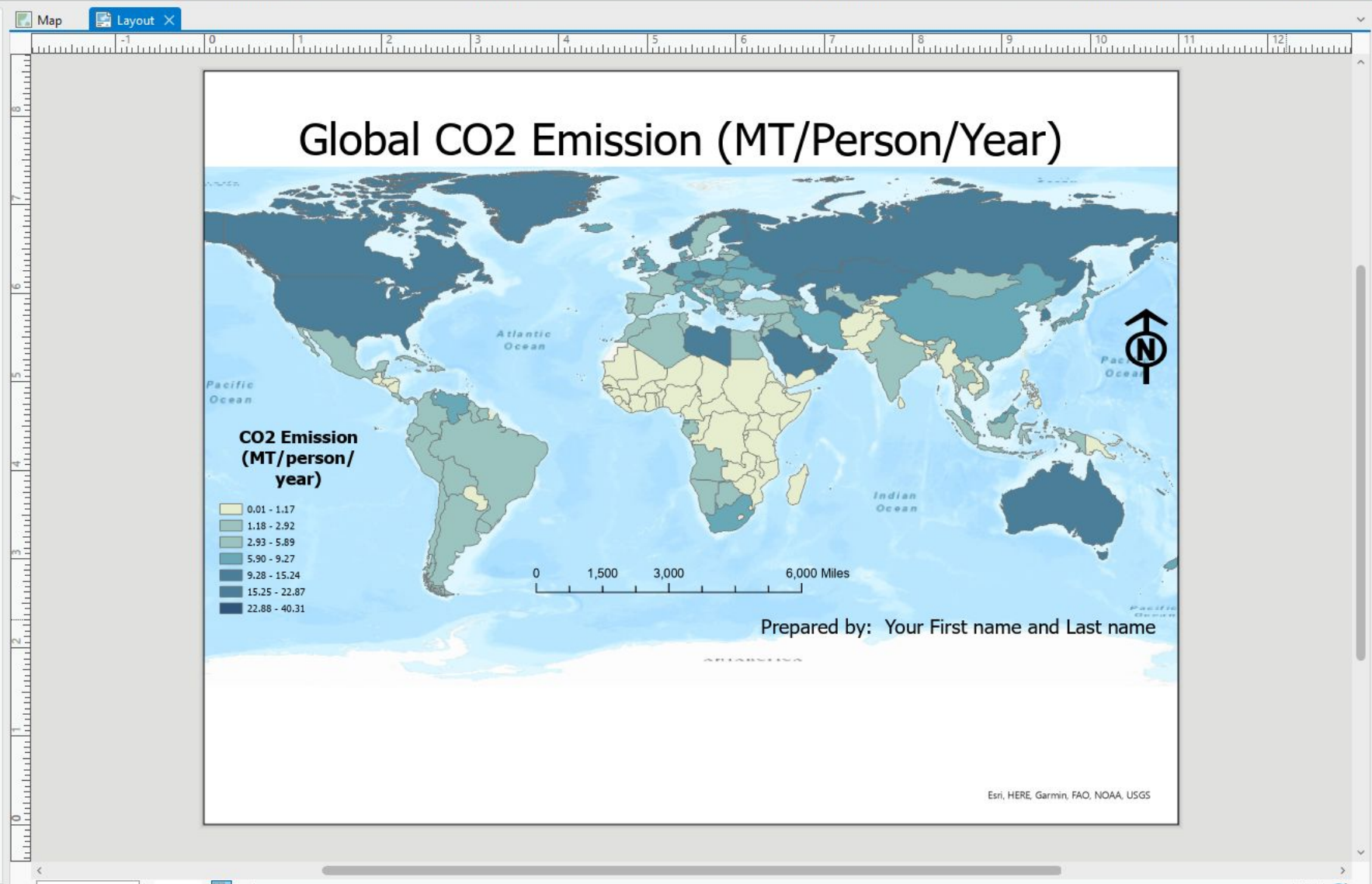
Graphics and Text Dynamic Text Add New Import Styles Favorites

Contents

Search

Drawing Order

- Layout
 - Text 1
 - Text
 - North Arrow
 - Scale Bar
 - Legend
 - countries
 - Map Frame
 - Map
 - countries
 - 2010
 - 0.01 - 1.17
 - 1.18 - 2.92
 - 2.93 - 5.89
 - 5.90 - 9.27
 - 9.28 - 15.24
 - 15.25 - 22.87
 - 22.88 - 40.31
 - Topographic

- Standalone Tables
- Data\$


Symbology

Select a layer in the Contents pane.

Once you added all element, you can export the map in various format. If you want to add in your poster or slides, you should use jpg format.

For this submission, use PDF format.

Project Layout Insert Analysis View Imagery Share Arc Hydro GRAIP Lite Help

Project Geoprocessing Jobs Data Stores Replace Web Layer Upload File Project Template Style Items Layout File Task Item Print Layout Export Layout Capture To Clipboard

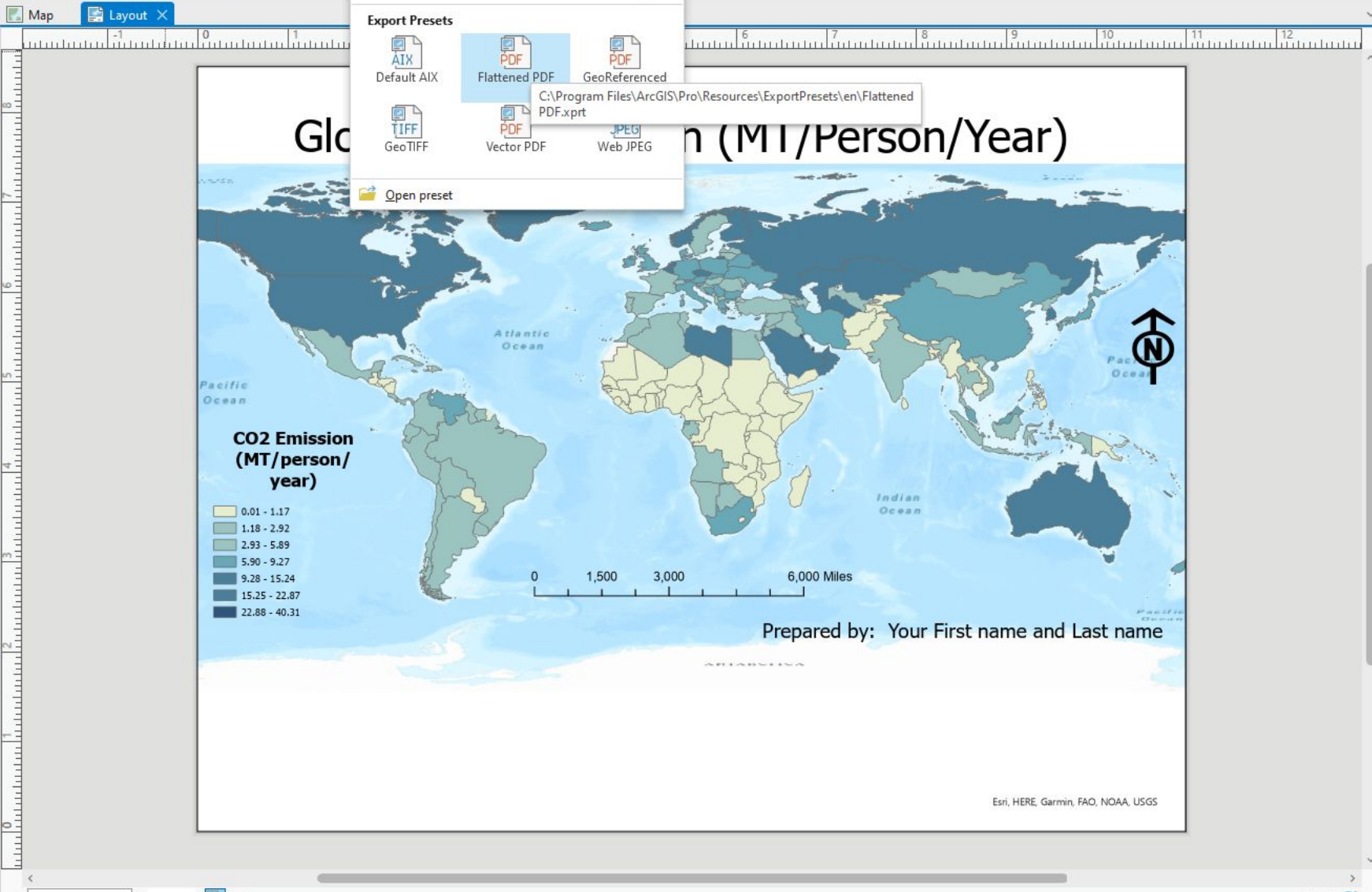
Package Status Manage Save As

Contents

Search

Drawing Order

- Layout
 - Text 1
 - Text
 - North Arrow
 - Scale Bar
 - Legend
 - countries
 - Map Frame
 - Map
 - countries
 - 2010
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 - 9.28 - 15.24
 - 15.25 - 22.87
 - 22.88 - 40.31
 - Topographic
 - Standalone Tables
 - Data\$



Export Presets

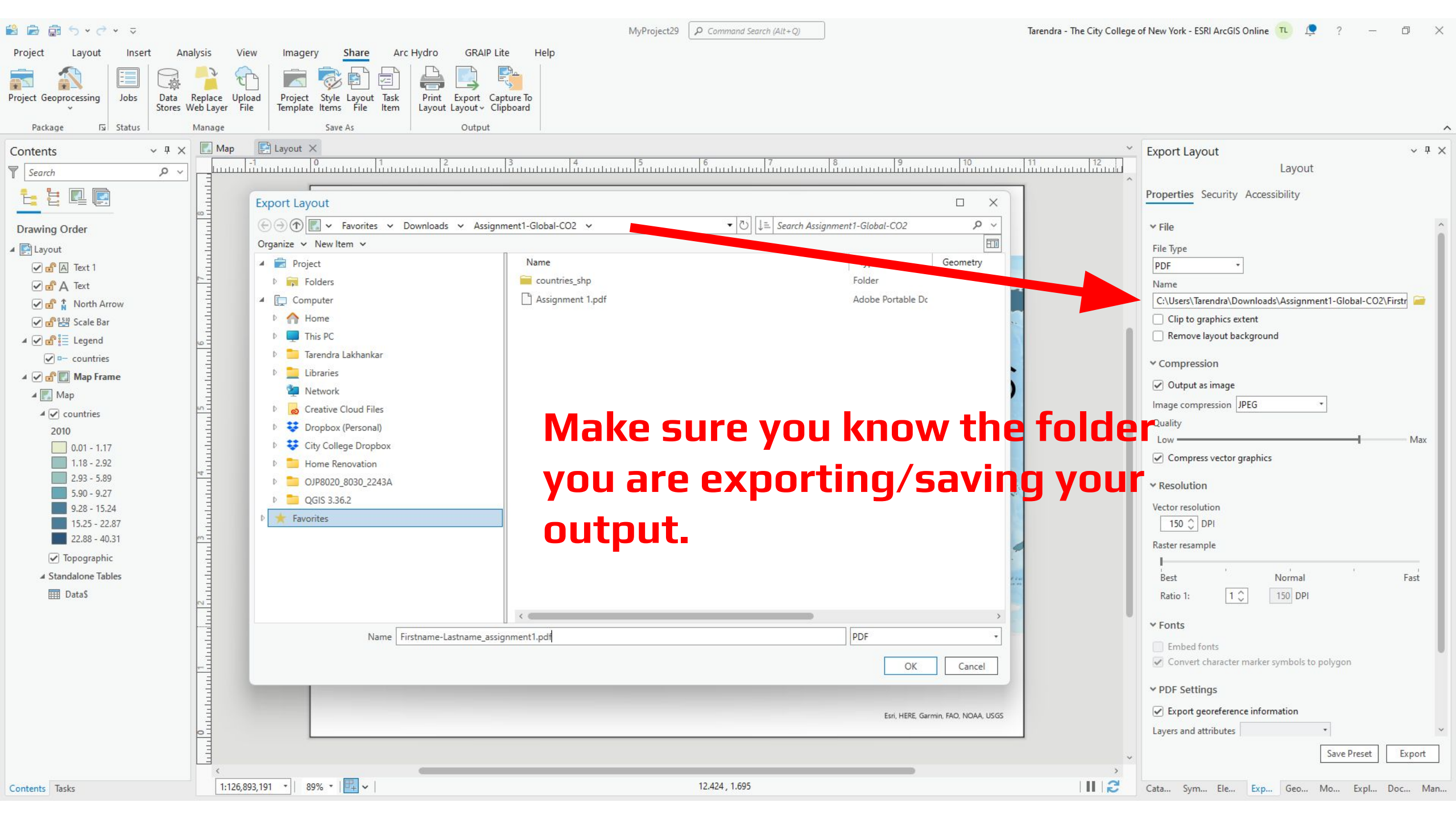
- Default AIX
- Flattened PDF
- GeoReferenced PDF
- GeoTIFF
- Vector PDF
- Web JPEG

Open preset

C:\Program Files\ArcGIS\Pro\Resources\ExportPresets\en\Flattened PDF.xprt

Symbology

Select a layer in the Contents pane.



Make sure you know the folder you are exporting/saving your output.

Project Layout Insert Analysis View Imagery Share Arc Hydro GRAIP Lite Help

Project Geoprocessing Jobs Data Stores Replace Web Layer Upload File Project Template Style Items Layout File Task Item Print Layout Export Layout Capture To Clipboard

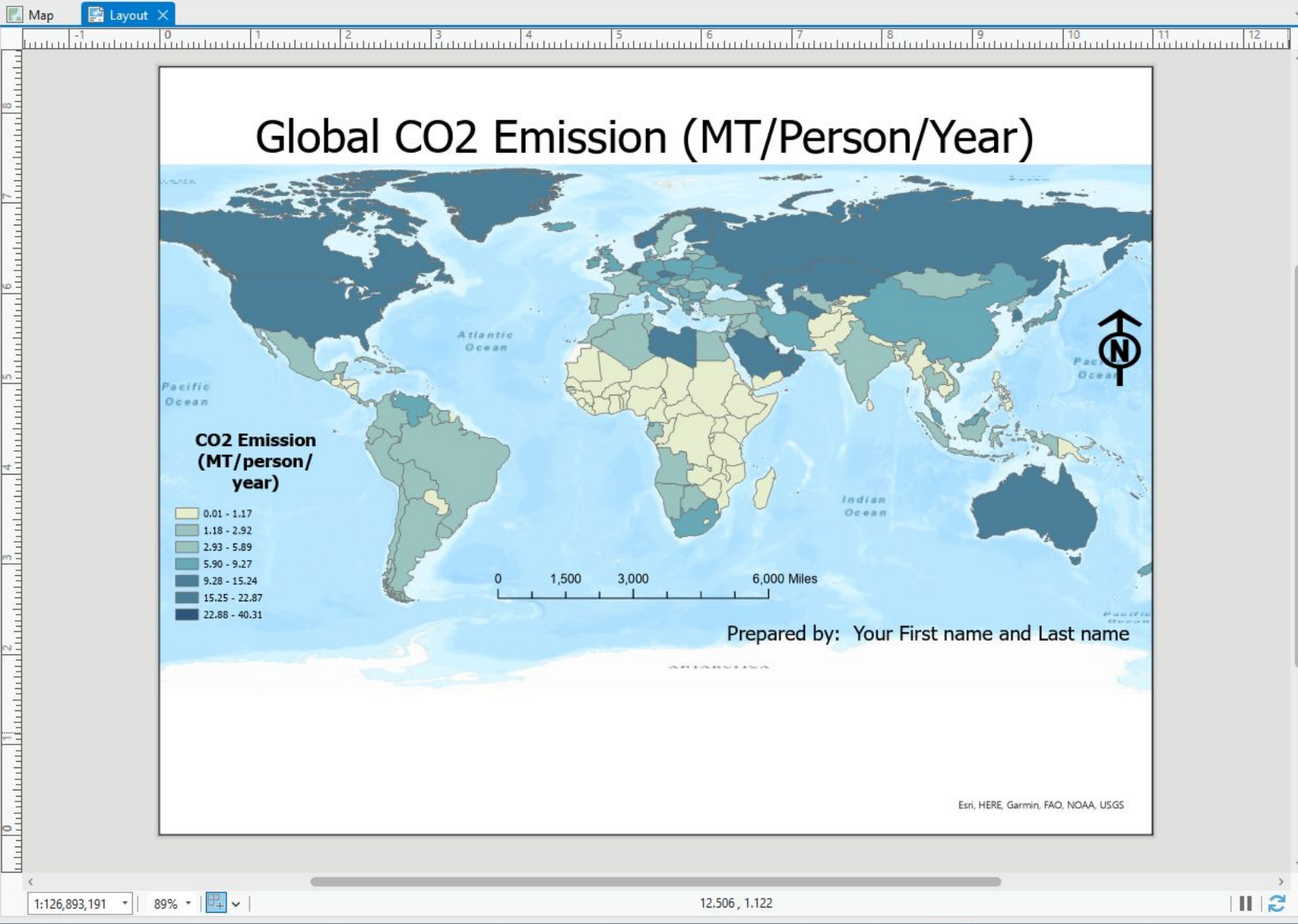
Package Status Manage Save As Output

Contents

Search

Drawing Order

- Layout
 - Text 1
 - Text
 - North Arrow
 - Scale Bar
 - Legend
 - countries
 - Map Frame
 - Map
 - countries
 - 2010
 - 0.01 - 1.17
 - 1.18 - 2.92
 - 2.93 - 5.89
 - 5.90 - 9.27
 - 9.28 - 15.24
 - 15.25 - 22.87
 - 22.88 - 40.31
 - Topographic
- Standalone Tables
 - Data\$



Export Layout

Layout

Properties Security Accessibility

File

File Type: PDF

Name: C:\Users\Tarendra\Downloads\Assignment1-Global-CO2\First...

Clip to graphics extent

Remove layout background

Compression

Output as image

Image compression: JPEG

Quality: Low to Max

Compress vector graphics

Resolution

Vector resolution: 150 DPI

Raster resample: Best, Normal, Fast

Ratio 1: 1, 150 DPI

Fonts

Embed fonts

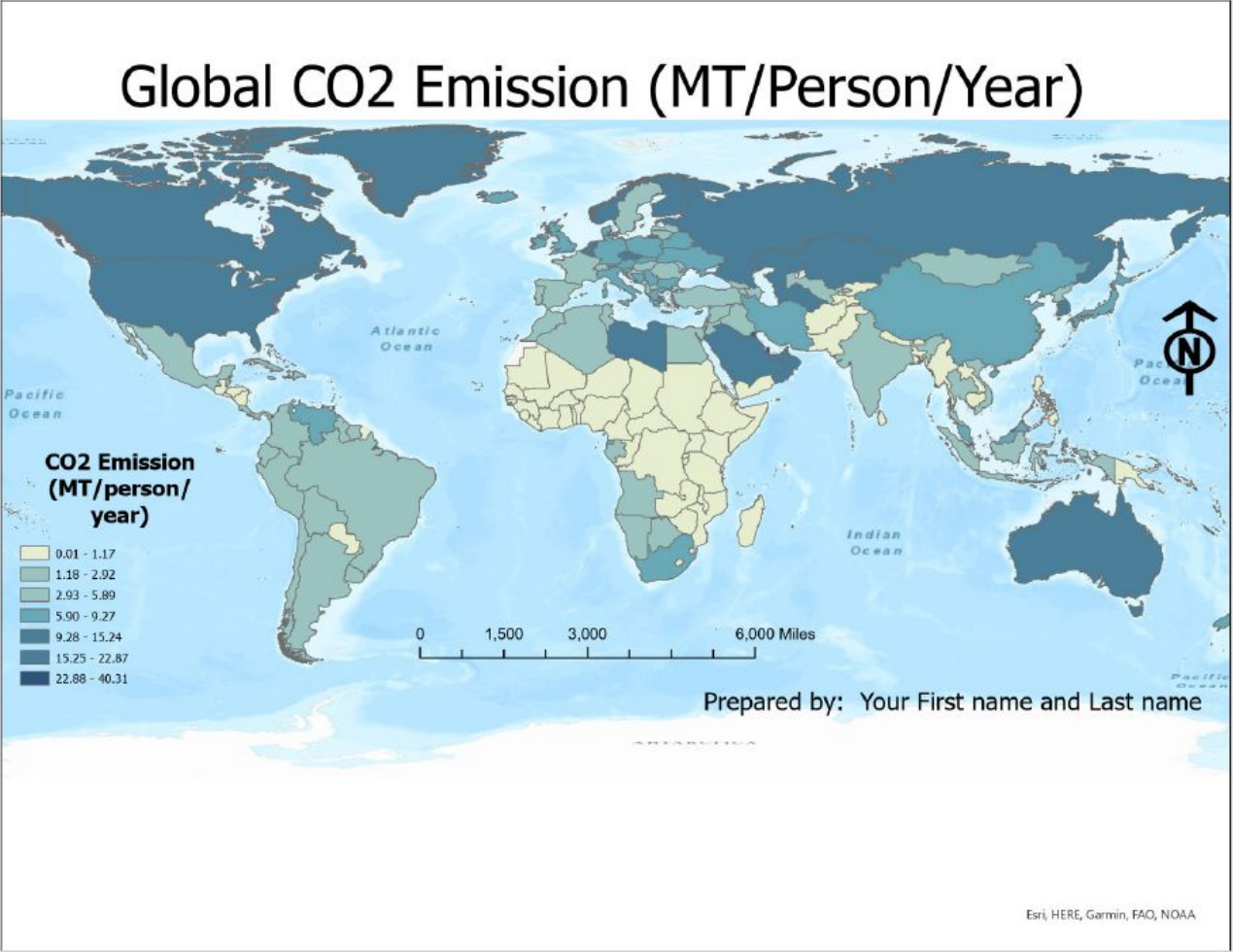
Convert character marker symbols to polygon

PDF Settings

Export georeference information

Layers and attributes: [dropdown]

Save Preset Export



**Now upload your pdf to Google Folder
that has been shared with you.**

**You can use same layout/export
process for other assignments.**