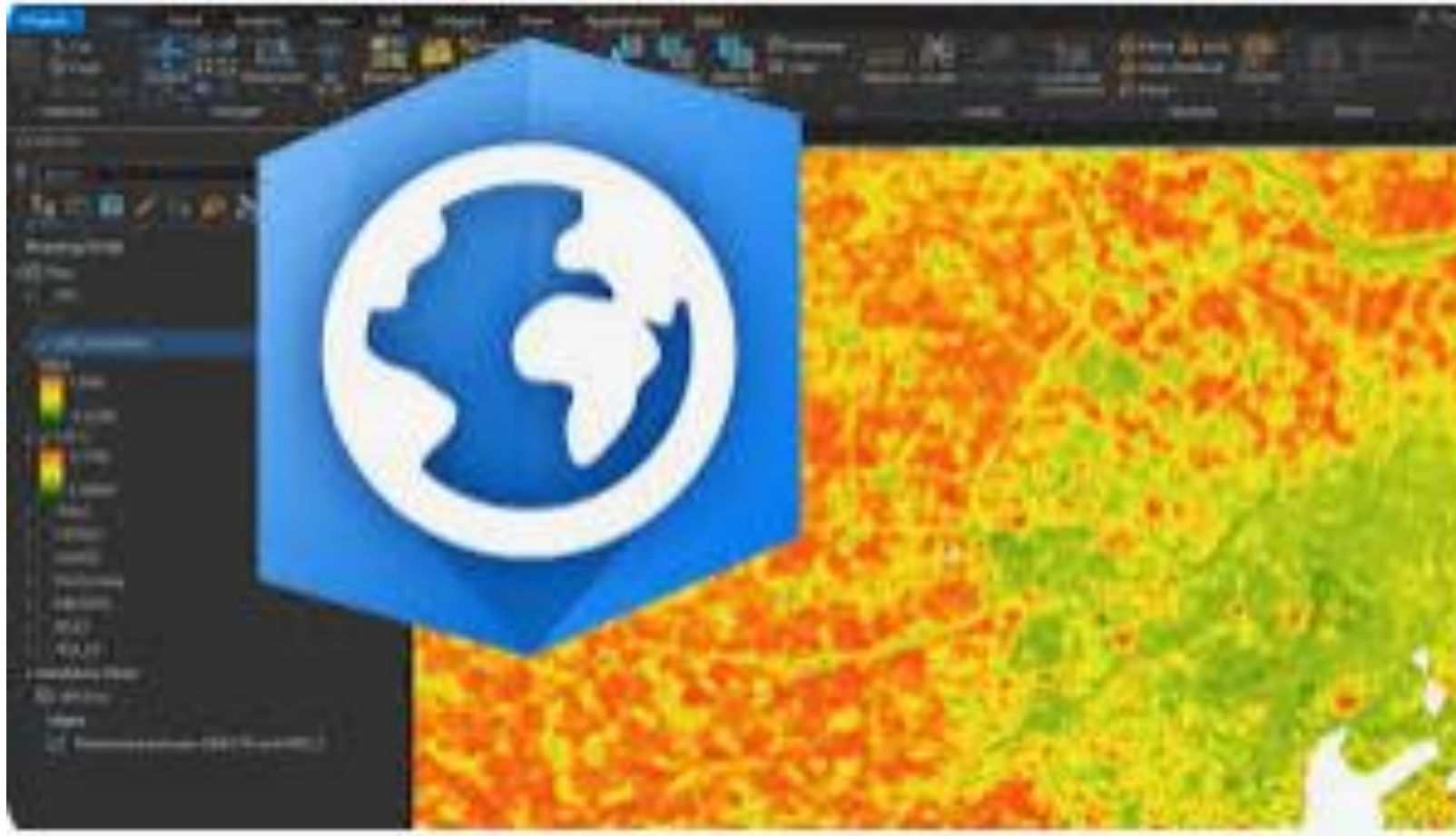


ArcGIS PRO



By Dr S. Rwandarugali

Introduction to ArcGIS Pro

- ArcGIS Pro is a full-featured professional desktop GIS updated application from Esri.
- ArcGIS Pro, is the main window of the software, where users choose to create new maps projects or layouts, open existing projects etc., or use some of the resources available.
- ArcGIS is capable of exploring, visualizing, and analyzing data; creating 2D maps and 3D scenes; and sharing your work to ArcGIS Online or your ArcGIS Enterprise portal.
Of exploring

ARC GIS MAP vs PRO

ArcGIS Map	ArcGIS Pro
Released 1999	Released 2015
Large package of ArcGIS Desktop (ArcMap&Catalog)	Esri GIS Desktop application New product pro
Replace Arc GIS View & Info workstation	Replacing ArcGIS Map &Pro; ArcScene&Globe
	Faster than ArcMap and has no limitations
	All works are saved under 'Project' File extension: .aprx

Main window of the software

 ArcGIS® Pro

SR

Stanislas - University of KwaZulu-Natal

[Sign out](#) <https://www.arcgis.com/>

New Project



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Resources



Settings



Map



Catalog



Global Scene



Local Scene



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NotebookStart

C:\gis\Python Tutorials\NotebookStart\NotebookStart.aprx

11/20/2023 8:44 PM



PythoGeoProc3

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11/22/2023 11:32 AM



Python Geoprocessing

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Notebooks Getting Started

C:\gis\Python Tutorials\NotebookStart\Notebooks Getting Started.aprx

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Recent Templates

Start with another te...

[Learn more about creating project templates](#)

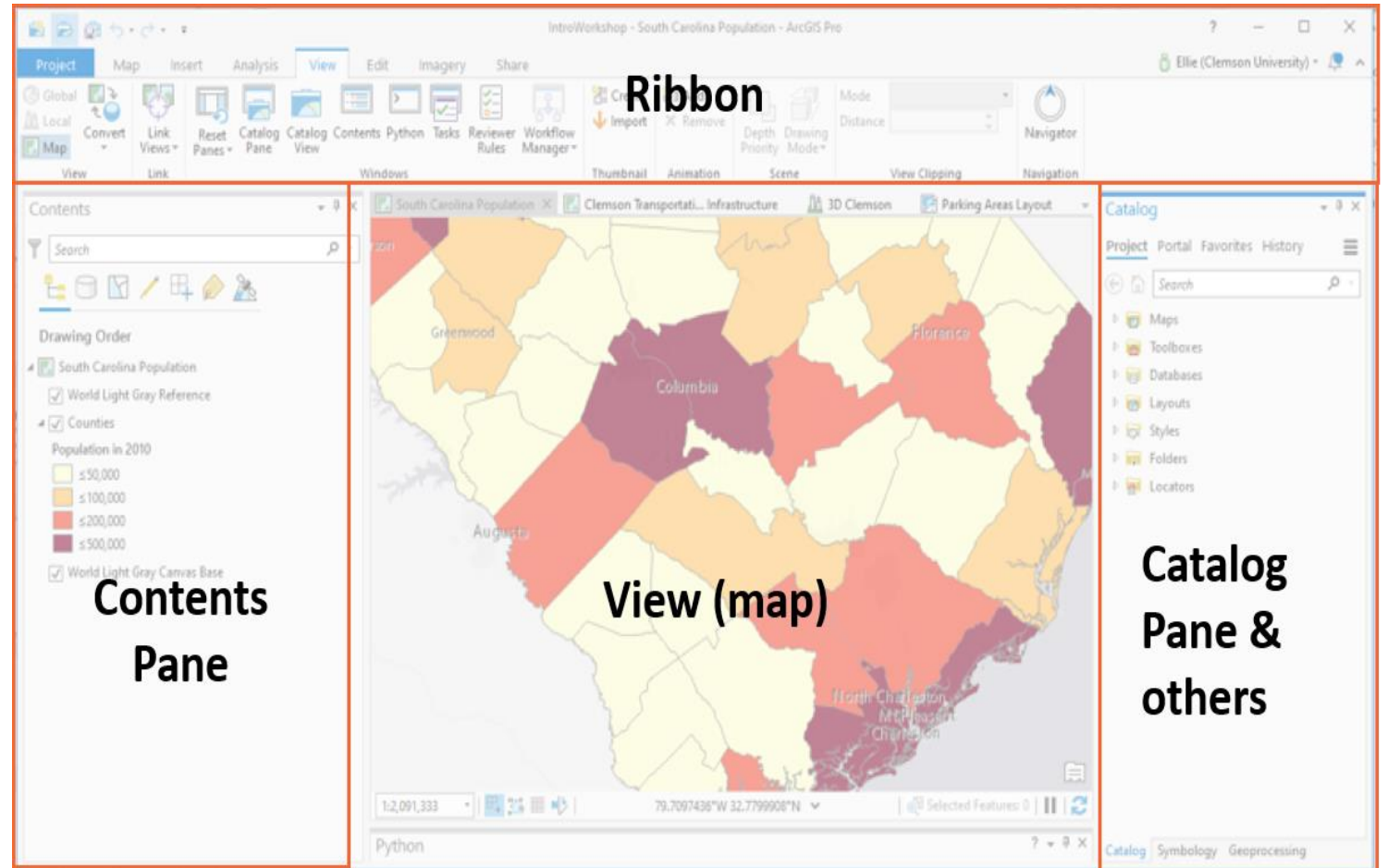
ArcGIS Pro user interface

- The main parts of ArcGIS Pro are:

➤ **Ribbons**

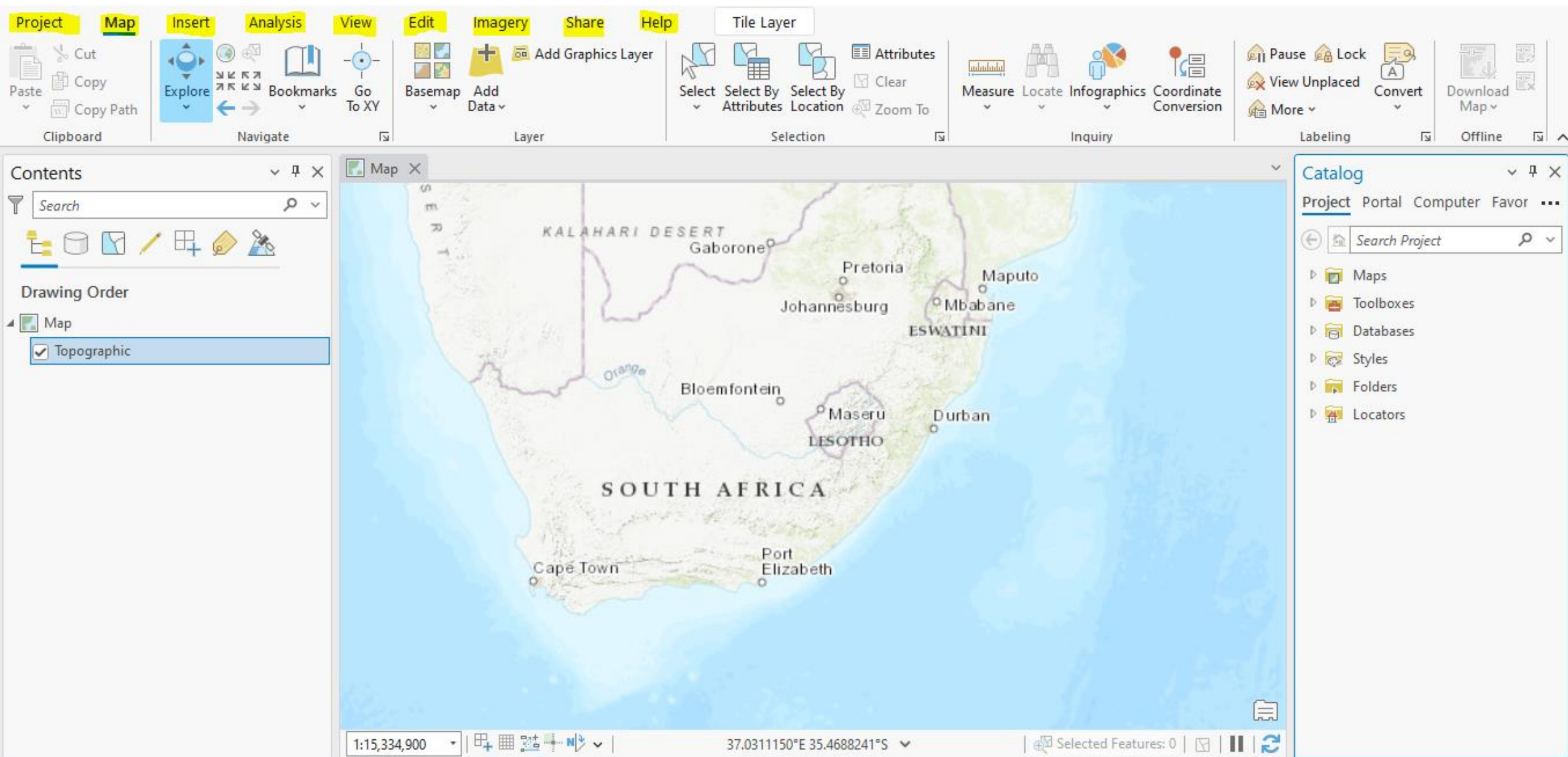
➤ **Views**

➤ **Panes**



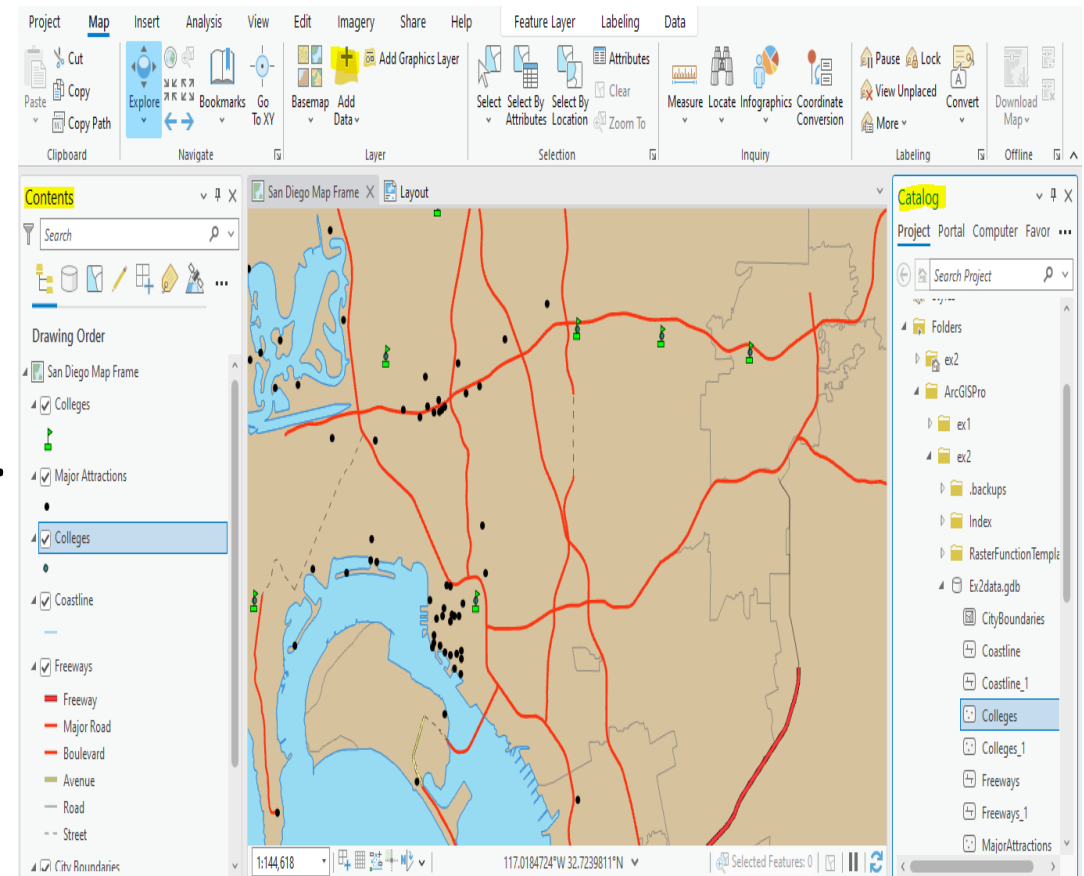
Menu bar and menus

<div>ProjectMapInsertAnalysisViewEditImageryShare</div>		
Menu	Functions	Example operations
Project	File Management	Save, Close, Open, Licensing etc
Map	Clipboard operations, Navigate, Layers, Selection, Inquiries etc	Copy, Paste, Zoom, Pan, Add data, Measure etc
Insert	Project components, Pin Notes, data Connections, Styles	New map, New Layout, Data Connections, Distance and Direction, Styles
Analysis	Geoprocessing, Tools, Workflows, Raster	Tools, Buffer, Clip, Raster Functions etc.
view	View, Windows, Links, Animations	Map, View conversions, ArcCatalog view, ArcCatalog Pane, Add animation etc.
Edit	Manage Edits, Snapping, features, edit tools	Topology tools, Snapping, Create features, Edit tools
Imagery	Alignments, Analysis, image classifications, Tools	Georeferencing, Raster functions, Classification tools etc
Share	Map packages, Share tools, Export, Print	New Project package, New map package, Print, Export



Adding the spatial feature to the Map (ArcPro)

- With ArcGIS Pro, you can add data from your own computer, local network, or from a package. You can also add data straight from your ArcGIS Online, etc..
- Like ArcMap, the most common way to add data to a map is to use the **+** button.
- Or add data from the **Catalog Pane** by clicking on the layer and adding to the current map; and by dragging into the map view or content pane



Attribute table

- Like ArcGIS Map, an **attribute table** which describes the spatial is opened by right click and open (layer attribute table)

The screenshot displays the ArcGIS Map interface. The 'Contents' pane on the left shows the 'Colleges' layer selected. The main map area shows a map of San Diego with various features. The 'Table' menu is open, and the 'Colleges' attribute table is displayed below the map.

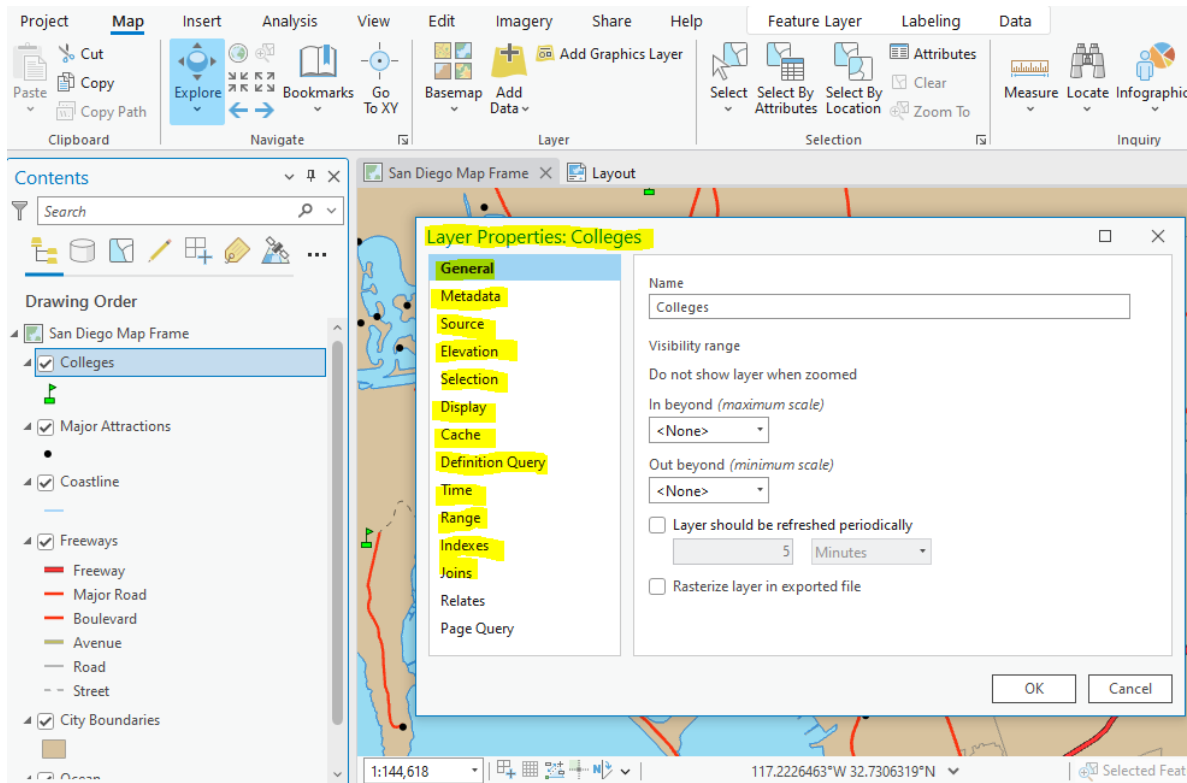
Colleges

Field:	Add	Calculate	Selection:	Select By Attributes	Zoom To	Switch	Clear	Delete	Copy
OBJECTID *	Shape *	COLLEGES_C	COLLEGES_1	ID	NAME	SIC	ESTAB	ADDR	CITYNM
1	Point	1	1735	8022	NATIONAL UNIVERSITY...	82	1987	4719 VIEWRIDGE AVE	SAN DIEGO
2	Point	2	990	8008	GROSSMONT COLLEGE	94	1960	8800 GROSSMONT CO...	EL CAJON
3	Point	3	1736	8016	NATIONAL UNIVERSITY...	82	1987	3580 AERO CT	SAN DIEGO
4	Point	4	1037	8005	SAN DIEGO MESA COL...	94	1964	7250 MESA COLLEGE DR	SAN DIEGO
5	Point	5	1737	8015	NATIONAL UNIVERSITY...	82	1971	4025 CAMINO DEL RIO S	SAN DIEGO

0 of 11 selected

Layer Properties

- Most display properties, such as symbology and transparency, are set on the ribbon, and others like General, Sources etc..are accessed the same as ArcMap(right-click and open layer properties or double click the layer)



Geoprocessing tools

- The primary locations where you can find and open geoprocessing tools are the **Analysis** ribbon tab and the **Geoprocessing** pane.

