ArcGIS Pro

Module 2 - Authoring and Publishing a Map

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Goals

 Learn to create a map project which will include a legend, scale bar, an inset map, a title and a north arrow



Making a Map

A map of population density in the City of Toronto by neighbourhoods will appear. We want to show the City's most densely populated neighbourhood and also include an overview map of the city along with traditional map elements such as a scale bar, north arrow and a legend.



1 - in the "Contents" pane, turn off the "Topographic" base map

2 - under the "Map" menu, select "Bookmarks" and click on the "Downtown Toronto" bookmark



New Layout

1 - using the "Insert" menu, select
"New Layout" and select the "Tabloid
11 X 17" option

2 - again under the "Insert" menu, select "Map Frame" and click on "Downtown Toronto" bookmark

Your map of Toronto should appear in your layout

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Adding an overview map

Now that we have a layout for our map with a main map inserted, we also / want to add an overview map

1 - using the "Insert" menu, select "New Map"

2 - in the new map "Map1", select the "View" menu and click on the "Catalog Pane"

3 - in the "Catalog", navigate to the "data" \rightarrow "Neighbourhood_boundaries"- \rightarrow "UTM6" folder

4 - click and drag into the map, the "NEIGHBOURHOODS_UTM6.shp"



1 - turn off the base map layers







Extent Indicator

1 - click on the "Map1" frame

2 - under the "Insert" menu, select "Extent Indicator" and choose "Map Frame"

You should now have an extent indicator of your main map laid out on your overview map

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Adding a North Arrow

1 - click on the initial "Map" frame by clicking on it in the layout (not the tab)

2 - using the "Insert" menu, select the "North Arrow" option and select an arrow

3 - move the arrow to the bottom left of the map





Modifying the Scale Bar

1 - right-click on the scale bar and select "Properties"

2 - in the "Format Scale Bar" popup, change the "Label Text" to KM and change the Divisions to "2" and Subdivisions to "5"

3 - adjust the size of the scale bar on the map to show only "2 KM"

4 - move the scale bar just between Leslie Spit and the Toronto Islands



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Zoom to Page
 Zoom To Selected
 Cut

Copy

Copy

Delete

Convert To Graphics

Properties

5 kilometers

Adding a Legend

1 - click on the "Legend" option in the "Insert" menu area

2 - draw a rectangle in the frame

3 - adjust the size of the legend and move it to the bottom right of the layout





Modifying the legend

1 - click on the "Map" tab

2 - in the "Contents" pane, rename the neighbourhoods layer to "Toronto Neighbourhoods" and "Population_2016 / NEIGHBOURHOODS_UTM6.area" to "2016 Population Density"

3 - click on the "Layout" tab and examine the "Legend". Your legend should now reflect the changes made in the "Map" tab.







Saving your map

- 1 click on the "Project" menu
- 2 click on "Save"
- 3 click on the back arrow to return to your project



Exporting/Sharing a Map

1 - under the "Share" menu option, select "Layout"

2 - select a resolution and a format for your exported map

3 - select a location where you wish to export your map

4 - click "Export"

5 - Exit out of ArcGIS Pro



View your exported map

1 - in Windows, navigate to the location where you exported your map

2 - double-click on the file to view the image of the map



END