

## *SOC 4650/5650: Week 05 ArcGIS Quick Reference*

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### *Change Coordinate System*

Right click on the data frame<sup>1</sup> and select Properties ▸ Coordinate System.  
Use the search bar to find the appropriate coordinate system.

<sup>1</sup> By default, this will be named Layers.

### *Calculate Area of Polygon*

1. Right click on the layer in the Table of Contents and choose Open Attribute Table
2. Pull down the Table options menu and choose Add Field...
3. Enter a field name
4. Choose the Double attribute type
5. Enter an appropriate precision (values to the left of the decimal point) and scale (decimal values)
6. Choose Calculate Geometry... and choose Yes when prompted about making changes outside of an edit session
7. Change the units as needed, click OK, and choose Yes when prompted about making changes outside of an edit session

### *Create Different Types of Maps*

*Choropleth Map* In the Layer Properties under Symbology, select Quantities ▸ Graduated colors and select the appropriate valueField. Make sure to edit the symbols, classification, and normalization as needed.

*Graduated Symbols* In the Layer Properties under Symbology, select Quantities ▸ Graduated symbols and select the appropriate valueField. Make sure to edit the symbols and background as needed.

*Dot Density* In the Layer Properties under Symbology, select Quantities ▸ Dot density and select the appropriate valueField. Make sure to edit the symbols as needed.

*Qualitative* In the Layer Properties under Symbology, select Categories  
▷ Unique values and select the appropriate valueField. Then select  
Add All Values or Add Values... and make sure to edit the color ramp as  
needed.

### *Use Custom Colors*

From the Symbol Selector choose Fill Color or Outline Color, then More  
Colors.... Be sure to switch the Color Selector to RGB.