

Due Date: **April 20, 2017**

Point Total: **10 points**

California Hillshade

For this assignment you will be creating three separate hillshades for California.

1. Add the California DEM to ArcMap
 1. This DEM is found at <http://sampleserver3.arcgisonline.com/ArcGIS/rest/services/Earthquakes/CaliforniaDEM/ImageServer> to add to ArcMap use the following steps
 1. Click the Add Data button
 2. From the Look in: drop-down choose GIS Servers
 3. Click the Add ArcGIS Server option
 4. Select Use GIS services option and click Next
 5. For the Server URL: type <http://sampleserver3.arcgisonline.com/ArcGIS/>
 6. Do not enter a User Name or Password
 7. Click Finish
 8. Navigate into new connection then open the Earthquakes folder
 9. Add the CaliforniaDEM layer to ArcMap
10. Create a standard hillshade using the default hillshade tool.
11. Download and unzip the Terrain Tools found at <http://www.arcgis.com/home/item.html?id=4b2ea7c5f87d476a8849c804b81667aa>
12. Add the toolbox to ArcMap
13. Create two additional terrain representations using the tools/techniques from the toolbox.
 - Prior to creating your terrain representations be sure to read the documentation found in the Doc folder to understand what each tool actually does.
 - Some of these techniques will be slow due to the amount of processing they do.

What to turn in:

1. An letter size map for each of these terrain representations along with some reference data overlaid on top of them