**Test 1- Practicum**

**Due: 3:30pm on February 21 to Sakai**

For the applied portion of Test 1 you will create a map that contains a georeferenced image of the Las Vegas Strip from 1973, a digitized vector, and a point vector.

Directions:

1. Georeference “LasVegas\_1973.tif” using “LasVegas\_2015\_EPSG26911.tif”. Use at least 6 control points. Add your georeferenced image to a new map. Save your ground control points and upload them to your GitHub. Note that the LasVegas\_2015\_EPSG26911.tif is projected in UTM North Zone 11 (EPSG 26911).
2. Digitize at least two polygons that indicate areas that have undergone change since 1973. This could be new construction, landscaping changes, etc. Select an appropriate symbology for your polygons. You should add a readable attribute (new field) to your polygons, and add this field as labels on your map.
3. Add the “Hotels\_LasVegas.shp” point shapefile to your map, and select an appropriate symbology
4. Add appropriate map features. Your map must include a basemap, a legend, a north arrow, and a title. Note that you will need to alter the transparency of your georeferenced image to see the basemap below. Your basemap can either be the “LasVegas\_2015.tif” file, or it can be a different tile layer.
5. Export your digitized polygons as a GEOJSON (in ESPG:4326) and add it to your GitHub.

Submission Instructions:

* Submit your map as a .png to Sakai
* In the Sakai submission text, add a link to your digitized polygons GEOJSON. Also add a link to your ground control points.