Georeferencing Demo

Resources:

GeoLocate – Web application: http://www.geo-locate.org/default.html
Google Maps: https://www.google.com/maps
Falling Rain: http://www.fallingrain.com
Getty Thesaurus of Geographic Names (TGN): http://bit.ly/Getty-TGN
Fuzzy Gazetteer: http://dma.jrc.it/services/fuzzyg/

1. Use the **standard** GeoLocate client to identify the first three localities in the GeorefExamples_Florida.xls file.
   a. Enter the locality string, country, state, and county information from the Excel sheet.
   b. Click "Georeference."
   c. Inspect the "Possible Locations" by clicking on the "XX possible locations found" where XX is the number of locations GeoLocate identified.
   d. Use an alternative resource to double check the locality. Try Google Maps.
   e. Adjust the point location as you see fit. The green point is the active one.
   f. Click the green point on the map, then click "Edit uncertainty". Adjust the uncertainty radius by moving the grey arrow.
   g. Return to the "Workbench" and record the latitude, longitude, and uncertainty.
      i. If the uncertainty is >1000 then discards the points.
2. Optional.
   Use the **batch** GeoLocate client to upload the localities in the GeorefExamples.xls file.
   a. Copy and paste the appropriate information from the GeorefExamples.xls file into your own GeoLocateBatchFormat.csv.
      i. http://www.geo-locate.org/standalone/tutorial.html

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8	Column 9	Column 10
Row1	locality string	country	state	county	latitude	longitude	correction status	precision	error polygon	multiple results

      ii. Do not label the columns (your first row = first sample)
      iii. **Make sure to save as a .csv**
      iv. The majority of the columns will be empty
   b. Go to the **batch** GeoLocate client and upload the formatted csv file
   c. "Page Georeference" will georeference all eight localities available at once. "Georeference" will do one at a time.
   d. Select a locality and go through **Steps 1c** to **1g**. Once you are pleased with the locality and uncertainty click "Correct" to note that you have gone through this georeference.
   e. Work through the remaining localities.
   f. If you **do not** finish a batch georeferencing, you can click on "File Management" at the bottom of the screen to receive a retrieval code. This will allow you to re-access this file whenever you wish without the need to download and upload.
   g. If you **do** finish a batch georeferencing, you can click on "File Management" and then "Export" to download the finished georeferenced file.

3. Use alternative resources to identify the localities in the example file. These are much more difficult and could use some historical maps and/or corrected spelling.