

A historical map of the province of Pommern (Pomerania) from 1845. The map shows various towns, rivers, and geographical features. Four purple arrows are overlaid on the map, pointing to specific locations: one near the top right, one in the middle right, one in the bottom right, and one in the bottom left. The text "How to Put Your Family History on the Map" is overlaid in large black font.

How to Put Your Family History on the Map

Georeferencing and Geocoding Historical Information

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Topics Covered

- Georeferencing
- Geocoding
- Building Your Dataset
- Displaying Data on a Map
- Old Maps!

Slides – <http://z.umn.edu/ALAgeo2017>

Guide – <http://z.umn.edu/ALAgeo2017guide>

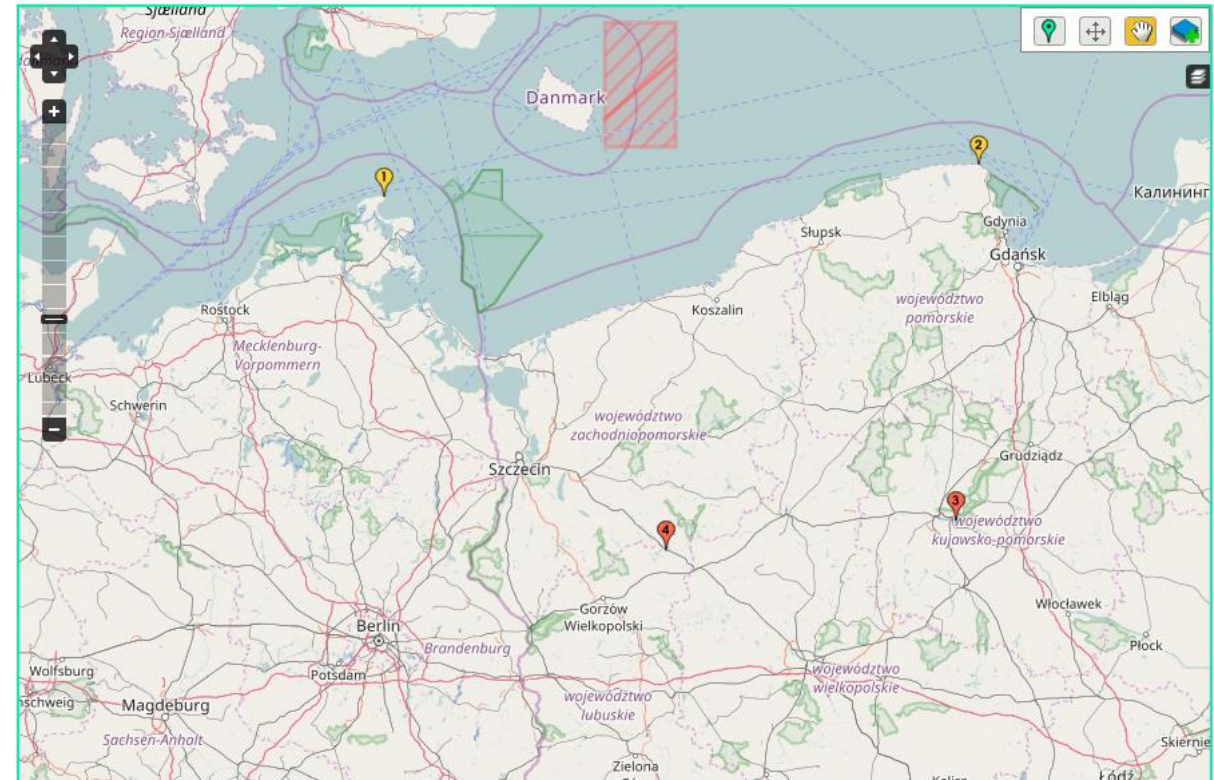
Data Examples – <http://z.umn.edu/ALAgeo2017data>

Georeferencing

- Essentially, overlaying a map
- Overall accuracy will decrease as geographic coverage increases
- Start with some kind of scanned image (map, aerial photograph, etc)
- Need to match control points on reference layer and scanned map
 - Points - cities, etc. (though these are usually less accurate)
 - Street intersections - good for large scale maps of small geographies
 - Boundary Intersections - state, county, etc.
 - Reference system intersections - latitude/longitude grids
 - Etc...

MapWarper

- Can create a free account
- Georeferenced maps can be used in ArcGIS Online, Google Earth, and other similar products



MapWarper

- Need at least three control points, but I would suggest at least four, if not six or eight
- Try to disperse the control points throughout the map
- If using only three or four, try to have them around the edges of the map
- If you're having trouble matching the names of old cities, try the [GeoNames Search](#)

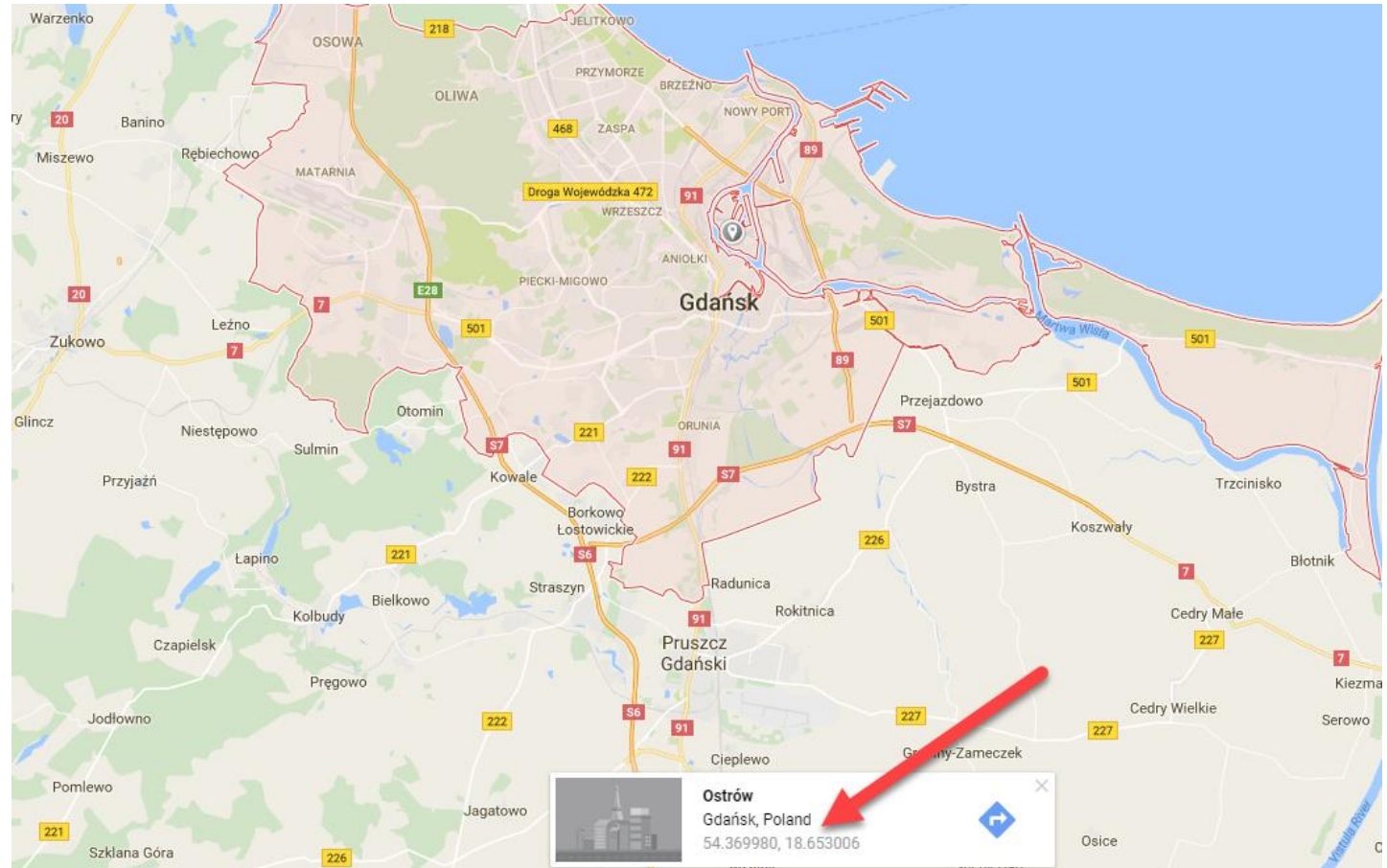
Geocoding

- Essentially, placing a point in the proper geography on a map
- Need to have some kind of reference
 - City (good)
 - Street address (better)
 - Latitude/Longitude coordinates (best)

A	B	C	D	E	F	G	H
Family Member	City	Country	Born	Photo Link	Info Link	Text Description	
Great Grandpa	Lebork	Poland	1875	http://rlv.zcache.com/proud_polish_great_grandpa_hat-r846d1b267bb04961bd3058db5c	http://freepages.genealogy.rootsweb.ancestry.com/~atpc/index-atpc.html	He was my favorite	
Great Grandma	Kartuzy	Poland	1881	http://i1.cpcache.com/product/51440355/proud_polish_grandma_womens_tshirt.jpg?cc	http://www.polishroots.org/	She was pretty great	
Great Uncle	Bytow	Poland	1879	http://rlv.zcache.com/number_one_polish_uncle_coffee_mugs-rc99be877dcc84bc6bad9	http://genealogy.about.com/od/poland/Polish_Genealogy_Family_History.htm	He was a little strange	
Great Aunt	Slupsk	Poland	1884	http://i1.cpcache.com/product/436485526/my_polish_aunt_kids_light_tshirt.jpg?color=	http://genopolisgenealogy.com/	She was quirky	

Latitude & Longitude Coordinates

- <http://maps.google.com>
- Search for place or zoom to a place
- Click on the desired point on the map
- Lat/Long coordinates will be displayed at the bottom of the screen



Latitude & Longitude Coordinates

- <http://www.latlong.net/>
- Search for place or zoom to a place
- Click on the desired point on the map
- Lat/Long coordinates will be displayed on the screen

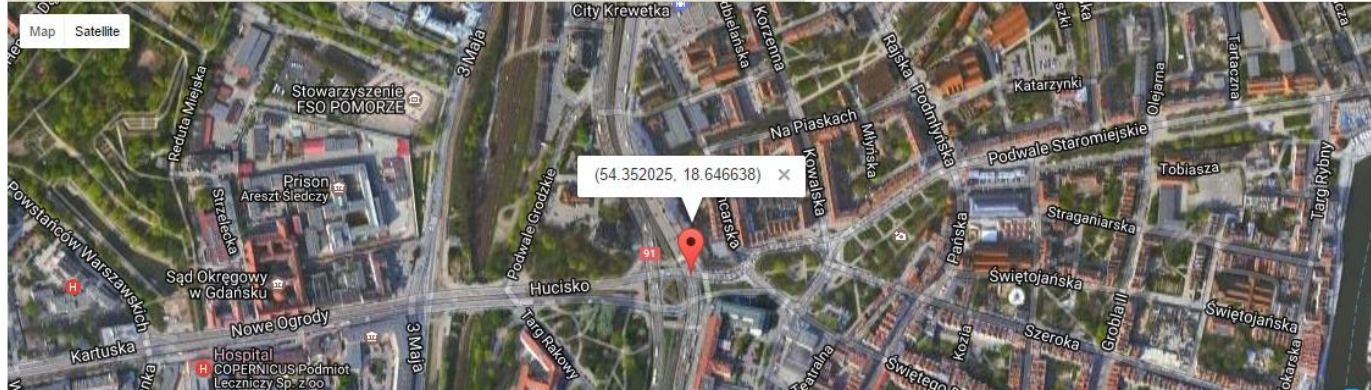
Get Latitude and Longitude

To make a search, use the name of a place, city, state, or address, or click the location on the map to **find lat long coordinates**.

Place Name

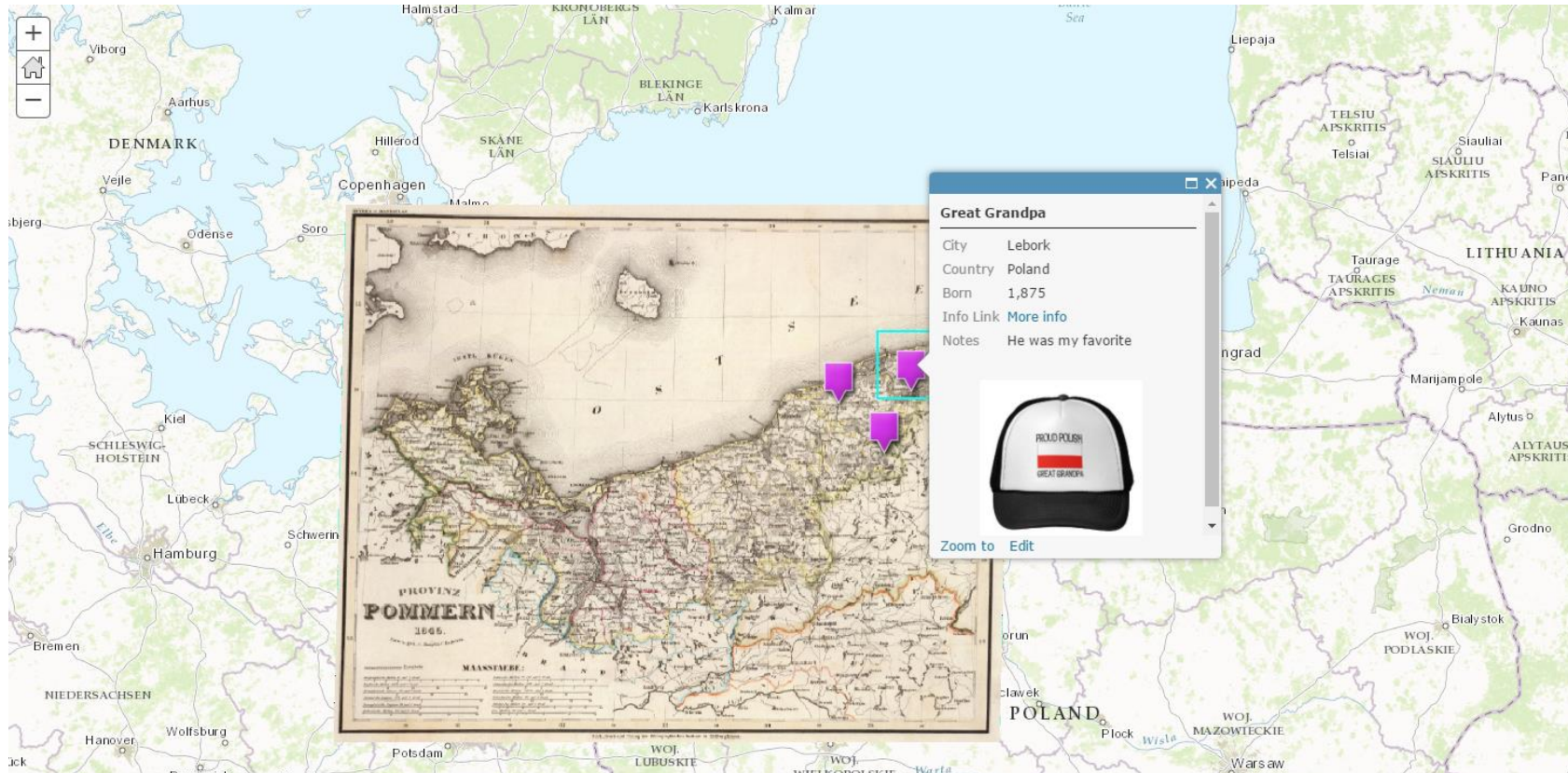
Add the country code for better results. Ex: London, UK

Latitude Longitude



ArcGIS Online

- Can create a free public account
- Maps can be saved and shared or embedded in other websites



Old Maps!



Library of Congress - American Memories

<http://www.loc.gov/maps/collections/>

- Panoramic maps (city views)
- Cities and Towns
- American Revolution / Civil War / World War II
- Discovery and Exploration
- Railroads
- Transportation and Communication

Old Maps Online

<http://www.oldmapsonline.org/>

- Over 400,000 maps
- Includes maps from USGS, David Rumsey, Harvard, and more...
- Limit search by:
 - Keyword
 - Year
 - Scale
- All viewable (though not all downloadable)

Questions?

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