

GEO 309 – Intro to GIS

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Topics

- Discussion – Elwood
- Geocoding
- Georeferencing

Discussion – Elwood

- Elwood, S. (2006). Negotiating knowledge production: The everyday inclusions, exclusions, and contradictions of participatory GIS research. *Professional Geographer*, 58(2): 197-208.

Geocoding

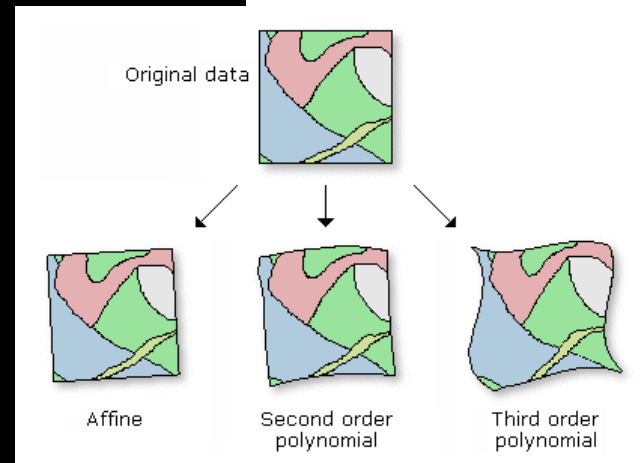
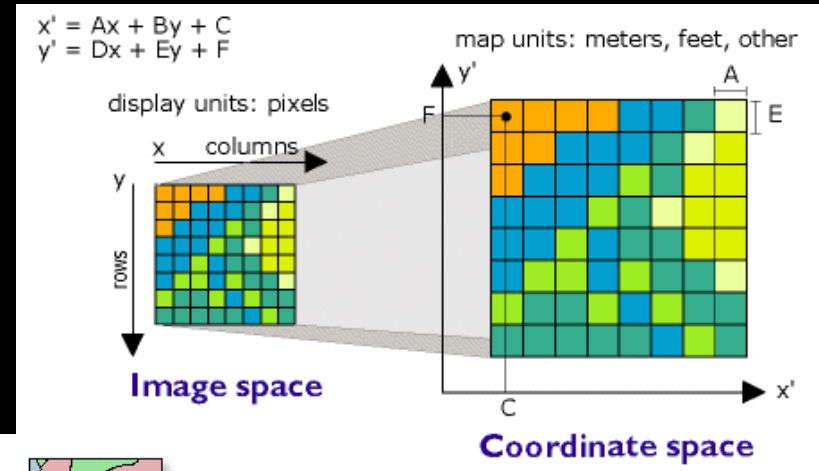
- Geocoding
 - Addresses > Geographic Coordinates
- Reverse geocoding
 - Geographic Coordinates > Addresses
- Methods
 - Local (ArcGIS, Database)
 - API (Google, OpenCage, MapBox)

Geocoding

Demo

Georeferencing

- Geolocate data
 - Image > Spatial Image
 - Georeferencing Raster Tool
 - Control Points
 - Image Transformation



Georeferencing

Demo

References

- [US Census Geocoder](#)
- [Texas A&M Geocoding Service](#)
- [MapBox API](#)
- [Geocodio](#)
- [OpenCage](#)