Section 1: Mapping Basics

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See the prezi: https://prezi.com/view/wENZWh3UlsBEmmubIip8/

Brief Notes

- Leaflet is the best open-source solution and is very flexible
- A module, open license, but no base layers provided
- Good documentation
- Mapping online can involve routing, geolocation, geocoding, showing all kinds of different information, a lot of possibly complexity
- Data tools are available: geojsonlint, geojson.io, Mapster Right Hand Rule tool, mapshaper, conversion tools from CSV/Excel to geoJSON and more

Review Assignment

- Start using the LeafletJS basic that we set up
  - Remove the zoom control
  - Center the map where you live
  - Find your latitude and longitude on geoJSON.io
  - Add a marker on the map where you live
  - solution.html has a few comments to help you out
- Look up some local government data where you live. Anything interesting?

Quiz

See page 2 for answers.

1. What's the main data format we are going to work with?
2. What's a good reason to choose LeafletJS?
3. What's a possible weakness of LeafletJS?
4. What's one of the differences between paper and interactive maps?
5. Data is usually pretty easy to get. True or false?

Quiz Answers

1. geoJSON.
2. Open source, easy to use, well documented.
3. Plugins may not be updated, does not provide base maps, fewer services.
4. Interactive maps have bugs:) and can do complex on-demand user interaction.
5. Depends on the data, but usually it's harder than you expect.