

ArcGIS User Group Meeting- Accomplishing the Maps You Envy

January 24, 2017

Resources for ArcGIS Online ideas & apps-

- Examples of apps, shows Why We Love It & Why It Works:
<http://www.esri.com/products/maps-we-love>
- John Nelson's Esri Blog: good resource for visualization techniques
<https://blogs.esri.com/esri/arcgis/author/John-2363/>
 - Blog on Pizza Hut location normalization-
<https://blogs.esri.com/esri/arcgis/2017/01/18/smoothing-data-for-normalized-maps/>
 - John's personal blog- <https://adventuresinmapping.com/>
 - John's content in ArcGIS Online-
http://www.arcgis.com/home/search.html?q=owner:j_nelson
- Data resources- Living Atlas of the World- <http://doc.arcgis.com/en/living-atlas/about/>
- Other story maps on visualization-
 - <http://www.arcgis.com/apps/MapJournal/index.html?appid=66112a531ccd461d9214e3de6ab4e984>
 - <https://nation.maps.arcgis.com/apps/Cascade/index.html?appid=bf439954e2b64d418aed2fe11217d83>

Ideas for ArcGIS Online app improvements-

- Smart mapping- acts as a build-in cartographer
- What's New in Smart Mapping-
<http://www.arcgis.com/apps/MapJournal/index.html?appid=66112a531ccd461d9214e3de6ab4e984>
- New cartography technique- glowing double rings
- Normalize data for different visualizations: Fast Food Nation: Mapping the Top Ten Chains-
<http://storymaps.esri.com/stories/2017-fast-food-nation>

Analysis inside ArcGIS Online-

- Can analyze data inside ArcGIS Online- use the Analysis button
- Can symbolize data directly inside ArcGIS Online
- Drive time map, done the long way in ArcMap: Long Beach, CA Demographic/Supermarket Map-
<http://longbeachca.maps.arcgis.com/apps/SimpleViewer/index.html?appid=72d8f1d4ea1343128d36d9cda6822a8c>
- Can create drive times inside ArcGIS Online- use the analysis button
- Data Enrichment- select what categories to add to your data- lots of demographic data

Tips for taking apps to the next level-

- Use Smart Mapping- available in ArcPro
- Customize Pop-Ups- <https://blogs.esri.com/esri/arcgis/2015/12/28/custom-attribute-display-pop-ups/>
- Go easy on the widgets- pick the ones really necessary for the app
- Use great graphics for icons

User Discussion-

Example of good civic map: City of Lawrence Interactive Map-

<http://lawrenceks.maps.arcgis.com/apps/webappviewer/index.html?id=f2f53599128f463dbae027b05b72b0de>

Talk to Micah Seybold with the City of Lawrence GIS Department with any questions on how he did various techniques (like uploading image tile packages, publishing, and then deleting the tile packages)

Widgets-

- City of Topeka- custom widgets- links from Lee Allen
 - <https://geonet.esri.com/thread/119278>
 - <https://geonet.esri.com/groups/web-app-builder-custom-widgets>
- Esri Github- lots of widgets available
- Iowa DOT Winter Cost Calculator: widget shows what the cost is in the given extent for clearing winter event (trucks have AVL)

Open Data-

- Can customize the Open Data site
- Can mashup with Survey123 and other data entry forms
- Example: LA GeoHub: <http://geohub.lacity.org/>

Infographics- Can be generated inside Business Analyst (ArcGISOnline)

Discussion- Collector or Survey123?

- Survey123 is responsive: additional options can show up, just points, meant for new data
- Collector- like disconnected editing, follow the form, have dropdowns, more of a traditional GIS feel, points/lines/polys, can create or edit
- The two have slightly different purposes and directions. Both will most likely be developed by Esri in parallel.

Building Survey123- David Fish recommends learning from YouTube

Survey123- comes with Analytics about responses