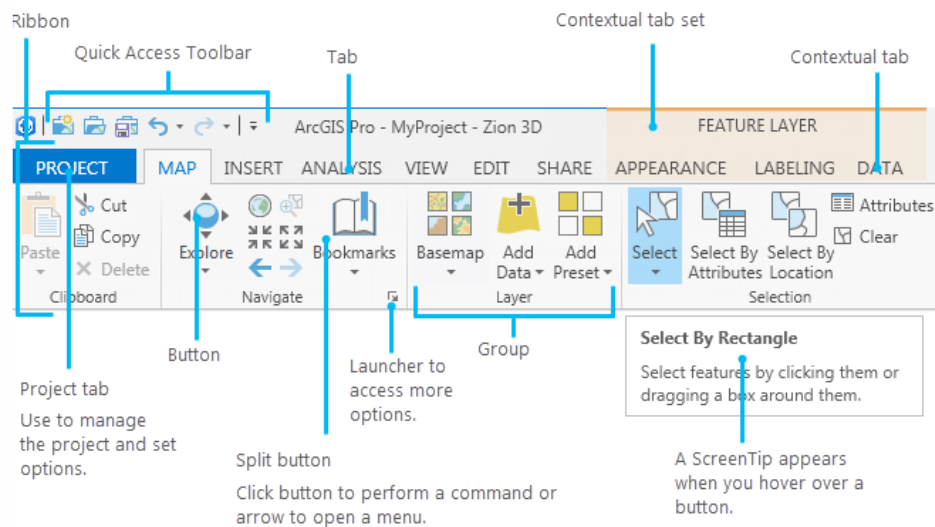


ArcPRO

How is it different than ArcGIS?

*This document refers to the ArcPro 1.3 release highlights

- **Contextual Ribbon Based**



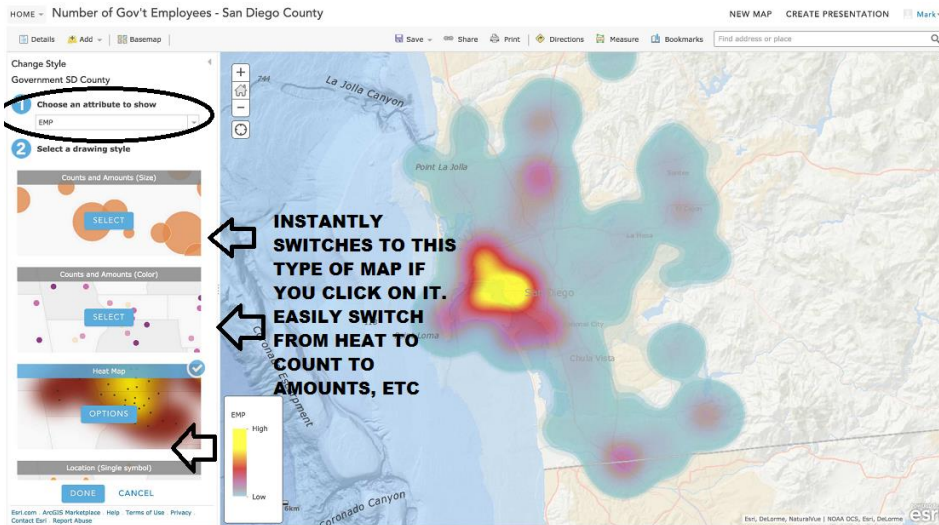
- Context sensitive – Tools change depending on attributes and what can be used
- Map Tab has most common tools (basemaps, add data, Explore, etc.) all in one place
- pan, zoom, identify all rolled into one tool
- Bookmarks often drive layout

- **Project Based**

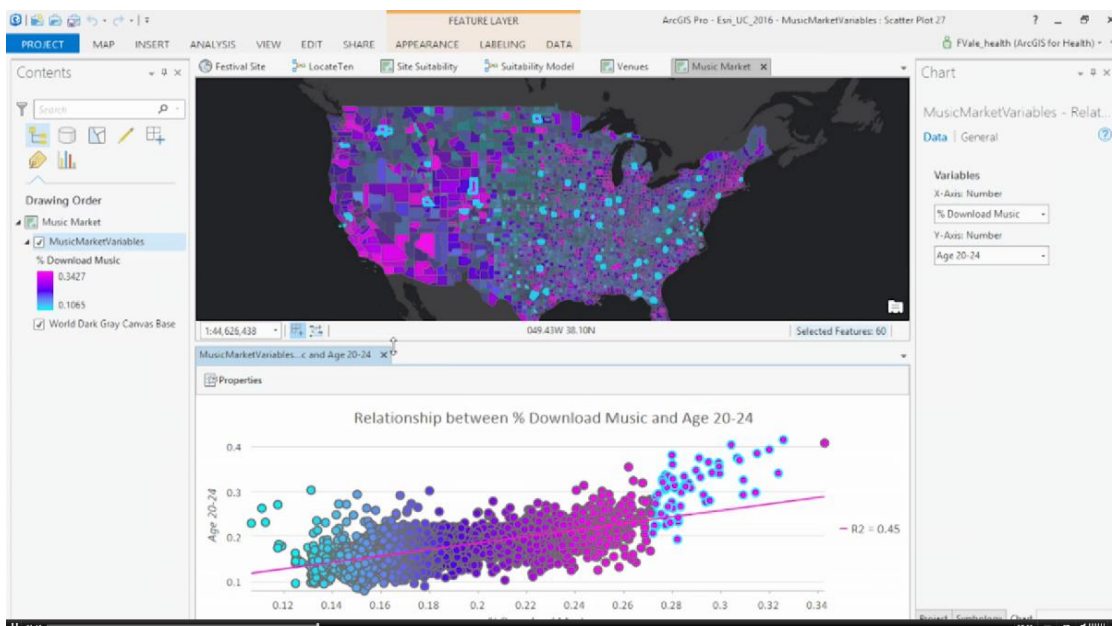
- After the first save, a project is created. A project contains maps, layouts, tasks, and connections to servers, databases, toolboxes, folders, styles, and so on. It can also incorporate content from your organization's portal or ArcGIS Online. Projects can be created on your local file system, and shared online as a project package. Online projects can be downloaded to complete work locally on any computer

- First1.3TestPro.gdb
- ImportLog
- Index
- local_scene.gdb
- admsaimdsv01.sde
- First1.3TestPro.aprx
- First1.3TestPro.tbx

- **Smart Mapping functionality: Explore visually while manipulations data**
 - Unlike 'dumb' software defaults that are the same every time, with smart defaults Pro now offers the right choices at the right time.
 - When data is put in the map viewer, it's analyzed very quickly in a variety of ways so that the choices you see in front of you are driven by the nature of your data, the kind of map you want to create, and the kind of story you want to tell.



- **Charting visualization that compliment maps**
 - Creates multitude of analysis on the fly like scatterplot
 - Chart is connected to map.
 - Maintains map symbology colors.
 - Dynamic selection; you can highlight and identify features in both.



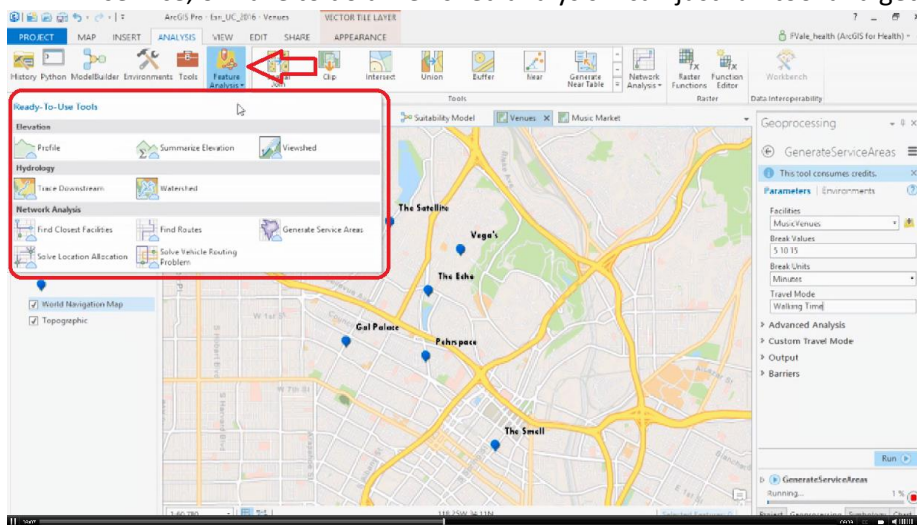
- **Living Atlas**

- ArcGIS Pro is a connected desktop. Meaning; working with data from the web is seamless.
- Can access private portal, publically available data, curated content through living atlas (like world navigation vector tile base map)

<http://doc.arcgis.com/en/living-atlas/about/>

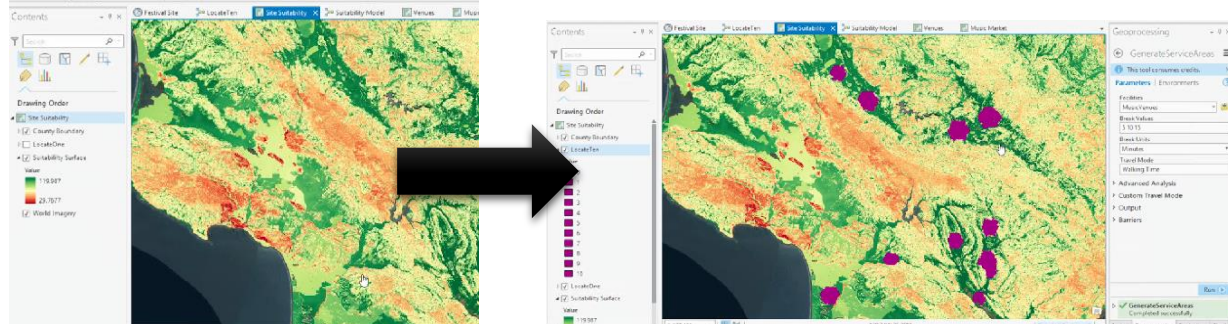
- **Ready to use tools**

- Profile, Summarize elevation, view shed, trace downstream, watershed, find closest facility, find routes, solve location allocation, solve vehicle routing, generate service areas
- Benefits: don't have to maintain networkable routing dataset, don't have to have elevation service, or have to do a viewshed analysis – can just run tool and get results.



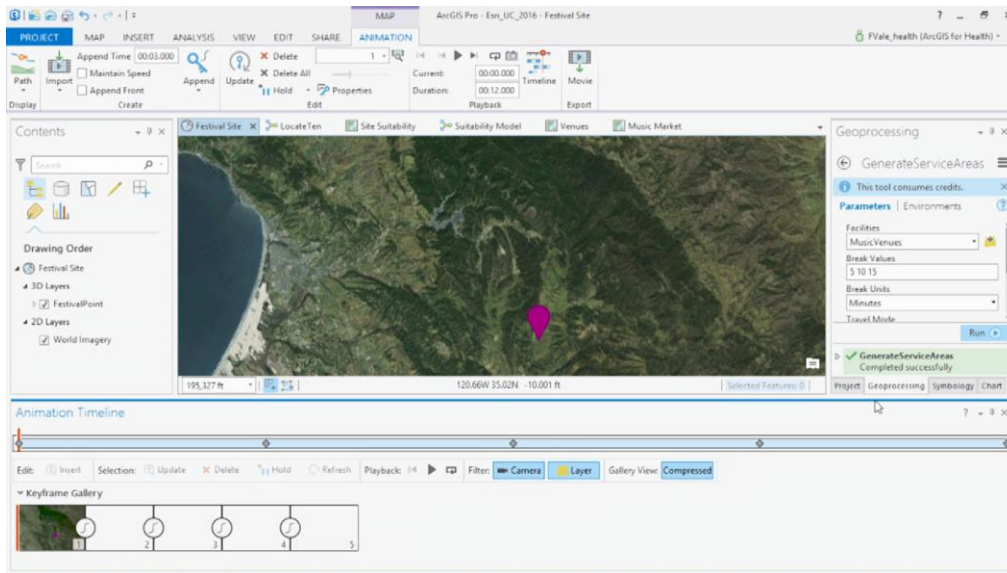
- **Significant Site suitability improvement**

- Goes beyond the suitability surface.
- Locate Regions tool – allows details like shape, size, distance requirements and then re analysis data



- **Animation**

- Import bookmarks, add to timeline and hit Play!
 - Then you can see the sites above in 3D and explore.
- Film “how-to” videos
- You can export to YouTube, Vine, Vimeo, etc.
- Share as web scene or package



- **Parallel Processing**

Can use all CPU's by splitting processing up into smaller jobs

- **Python Analysis**

- Can bring in old Python and the output will tell you what needs to change for it to work in Pro

- **Editing**

- Don't have to start/stop editing.
- Can make edits prior to ending sketch
- Can edit attribute table anytime. (careful!)
- Can lock features so they can't be spatially moved/edited
- Group Templates – can chain editing tasks together (point snap to line with same id's/pole to post) in one editing click
- Can edit attributes before creating feature. (Example – if multiple lines being digitized will be named “Main St” you can name the feature once and when the features are being created they will all automatically name themselves, “Main St”

- Can reshape multiple features at the same time
- Extend/Trim tool. Allows this to be done without a selection
- Snapping: blue mean on/white means off. Can toggle for vertices to stay on
- Intelligent snap – dotted line with other features
- Geodatabase Topology
- Network Editing

- **Mapping & Visualization**

- Transparency won't create huge raster and therefore file size will be much smaller on exported maps with transparency
- Map series = Data Driven Pages. They are the same, just a name change. Can now see entire series on pane.
- AutoSmart guides. Type in ½ inch and it creates them for you on all sides
- You can size the legend visually on map *before* it's created
- FONT PREVIEW!!
- Can share map layouts
- KML
- Error inspector has map preview

- **Extensions in Pro**

- Spatial Analyst
- 3D Analyst (but NOT the same. This is a new tool)
- Network Analyst
- Geostatistical Analyst
- Data Reviewer
- Workflow Manager
- Data Interop
- StreetMap Premium

ArcGIS vs ArcPro

- Doesn't support personal Geodatabases (32 vs 64 bit issue)
- Doesn't have Coverages
- Microsoft access 32 bit doesn't work in Pro
- Geometric Networks are read only
- Must edit with templates