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Unit 6

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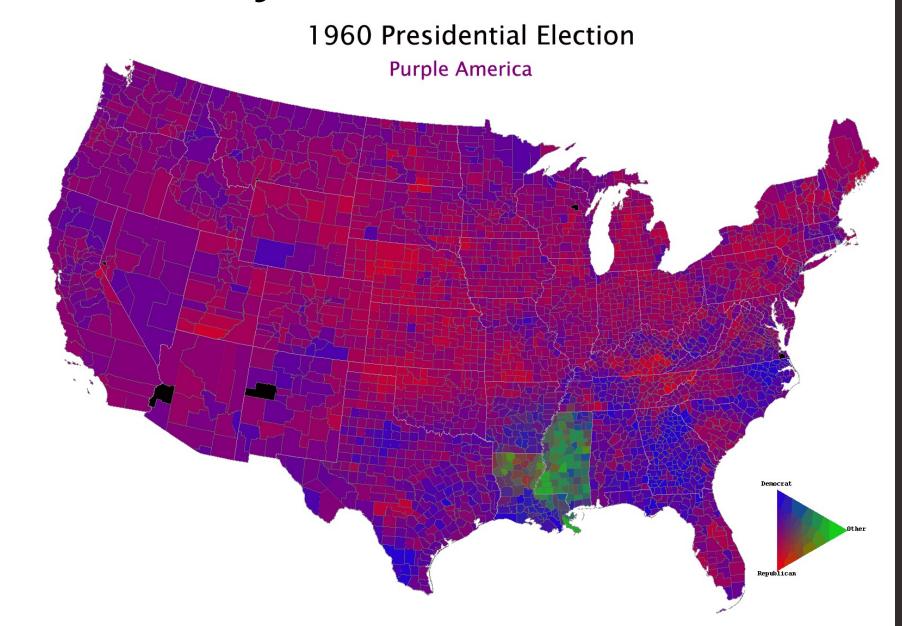
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Practically Halfway There

UMassAmherst

Forrest J. Bowlick, Intro to **GIS** UMass -**Amherst**



Overview

- Practical Questions (demo?)
- Data Management
 - ArcGIS oddities
 - Demo
- Beginning Your Project
 - Some 'best practices'

Practical Details (reminder)

- Open everything EXCEPT
 - Other people (this is your individual work)
 - This includes people who have taken the course before, their resources, help forums, Snapchat, Twitter, etc. Your work, your notes.
 - The answer keys to the practice practical are not recommended!

- Full lab period to complete (three hours)
 - Testing accommodations check with me
 - Bring a writing tool

To Help Focus:

Google poll!

Tx.ag/gis6

Study Guide Thoughts?

Demo Thoughts?

Data Management

 It's fairly easy to unintentionally lose your data/analysis in Arc

 Part of this we've discussed before (organizing your data)

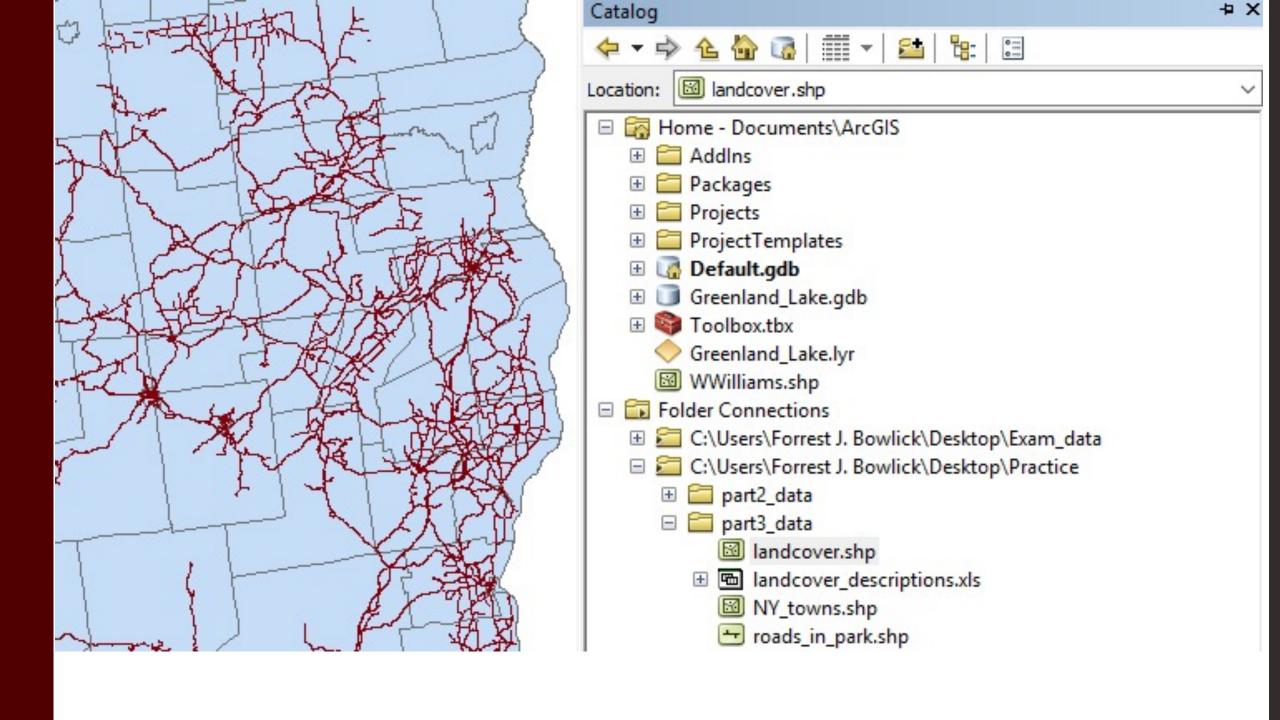
Part of it is structural (we'll address now)

Saving, Processing, Defaults

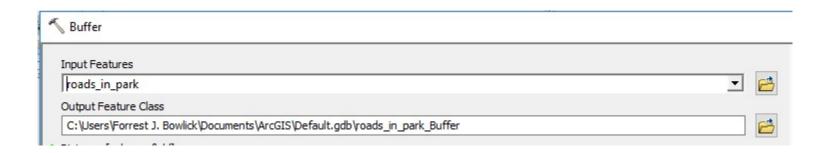
 ArcMap processes things where it wants to process them.

This is often not useful for you.

• In order to remain in control of your data and analysis, you need to ensure your own data and analytical consistencies.



Beware the Default Geodatabase



Default Geodatabase?

The preset place where ArcMap puts your stuff.

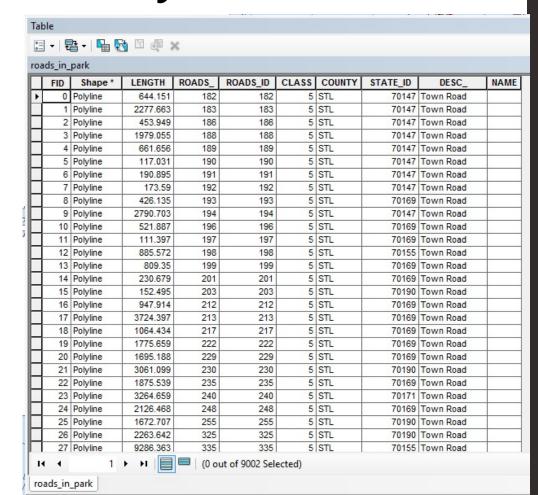
Located (unless you change it) at:
C:\Users\ArcGIS\Default.gdb

Geodatabase?

- Via Arc Help:
 - 'An ArcGIS geodatabase is a collection of geographic datasets of various types held in a common file system folder, or a multiuser relational DBMS (database management system)'.

Database?

You've been using them already!



Geo?

• Stop it.

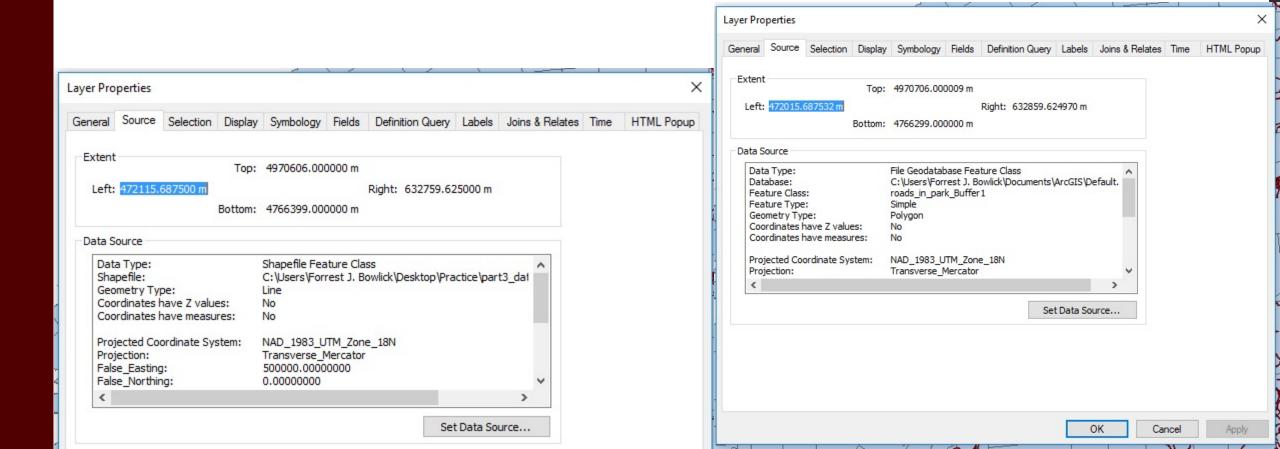
Default Geodatabase Problems

 Where the default gdb exists is likely not where your data is mobile.

 Your flash drive might store the layer files, but the analysis is staying behind ⁽³⁾

How do you tell?

Remember the fantastic source tab.



Those Pesky!

 The ! appear when you load an .mxd into ArcMap but it can't find your data.

Think back to one of our definitions of GIS:
The container of maps.

What does it mean?

 'When data has been relocated after the creation of an ArcMap .mxd, relative path names no longer work. A red exclamation point appears next to the feature classes in the ArcMap table of contents.'

• If you have all the data, an easy fix.

Projects

• Selections coming soon!

Assignment email will start soon!

Communication matters.

Tips

• You are the practitioner!

Ask questions!

Protect your Data!!!