

Continuing with Our Own Data

- As we follow the book, we are using data sets provided to us.
- We want to begin using more and more of our own data.
- Today we'll work from aerial photos.
- Next Tuesday we'll gather GPS data at Swiss Valley.

In Class Exercise

Adding an image

- Open USAPhotoMaps
 - ▶ Locate UD and my house on a 1m resolution photo
 - ▶ Create a BigJpeg covering from Highway 20 to University Ave
- Open ArcCatalog
 - ▶ Connect to the USAPhotoMaps folder
 - ▶ Find the jpeg file you just created.
 - ▶ Determine its coordinate system (unknown)
 - ▶ Set it to NAD 1983 UTM zone 15
- Open ArcMap
 - ▶ Open the Dubuque County database
 - ▶ Add the photo to it.

In-Class Exercise

Setting up for digitizing

- In ArcCatalog,
 - ▶ Right-click on your G: personal folder
 - ▶ Create a new shapefile
 - ▶ Give it a name, like RouteToDale
 - ▶ Set the Feature Type as polyline
 - ▶ Click edit, and set the coordinate system to NAD 1983 UTM 15
- In ArcMap, add RouteToDale to Dubuque County map

In-Class Exercise

Digitizing the Route

- From the list of toolbars, click on Editor
- Zoom in on Goldthorpe and the quad
- Click on the Editor toolbar -> Start Editing
- Choose folder option shapefiles
 - ▶ Task: Create New Feature
 - ▶ Target: RouteToDale.shp
- Click on sketch tool
 - ▶ Begin in front of Goldthorpe and sketch the route to me house.

In-Class Exercise

Finishing Up

- Right-click route and choose finish sketch
- Save edits
- Choose Stop Editing on the editor toolbar
- Right-click on RouteToDale and Save as Layer

Exercises in the Book

- Complete Chapter 9 today.
- We will be at Swiss Valley next Tuesday, so do Chapter 10 on your own.
- Next Thursday we will use data you collect Tuesday and continue with Chapter 11.
