Editing Attribute Tables

GIS II: Data Management

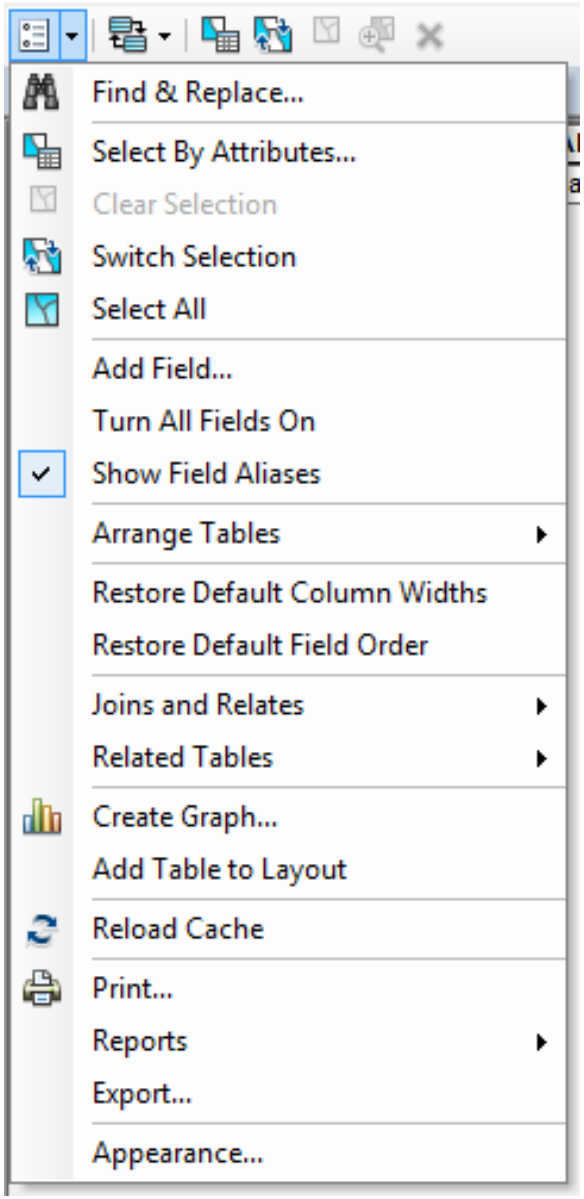
Children's Environmental Health Initiative

Overview

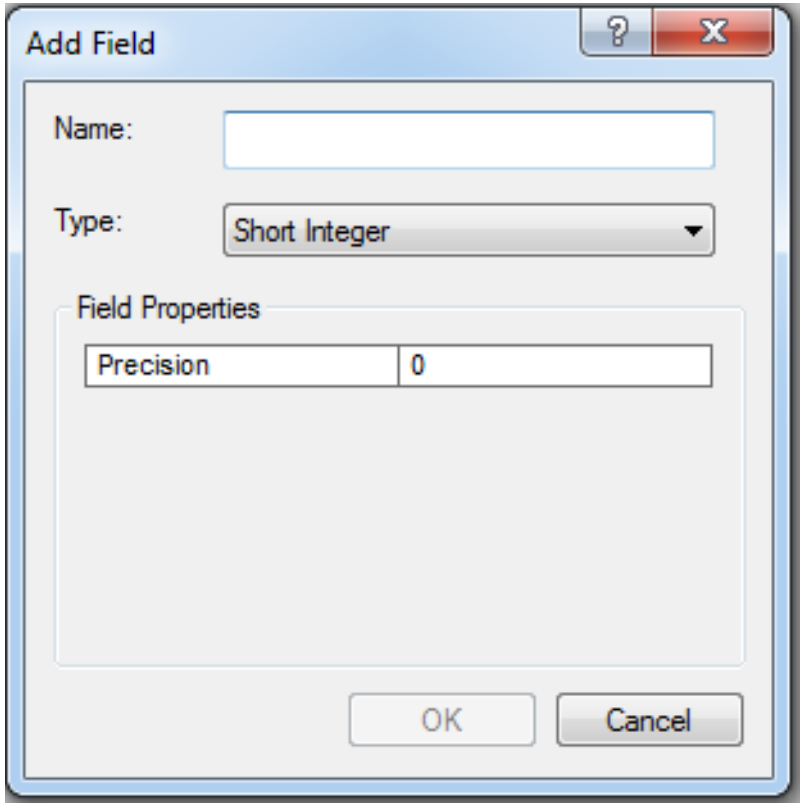
- Adding and populating new attribute fields
- Field Calculator
- Edit sessions

Attribute Table Options

Click on the table options button to get…



Add Field



Data Types:

- Short Integer – -32k to 32k
- Long Integer – -2 billion to 2 billion
- Float – 6 digits of precision
- Double – 15 digits of precision
- Text
- Date

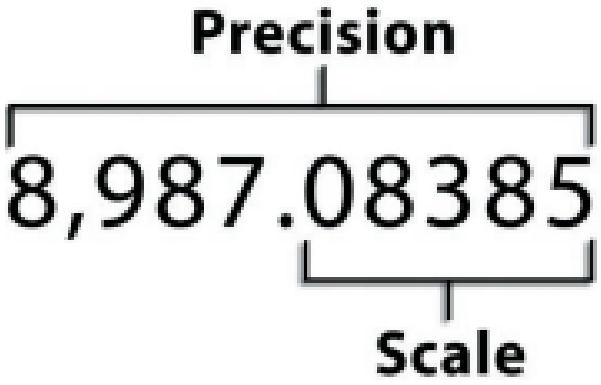
Field Properties:

- Precision – field length
- Scale – decimal places
- Length – field length (text)

Precision and Scale

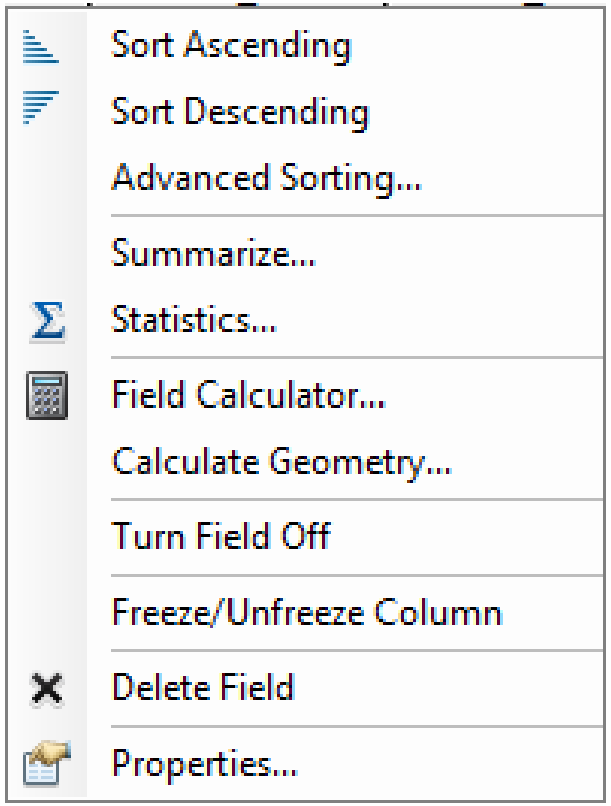
- Example: Precision 4, Scale 2
  - 12.34 is acceptable
  - 12.345 will produce an error message
  - 123.45 will produce an error message

- Leaving these options as 0 will not create any restrictions – this is the default

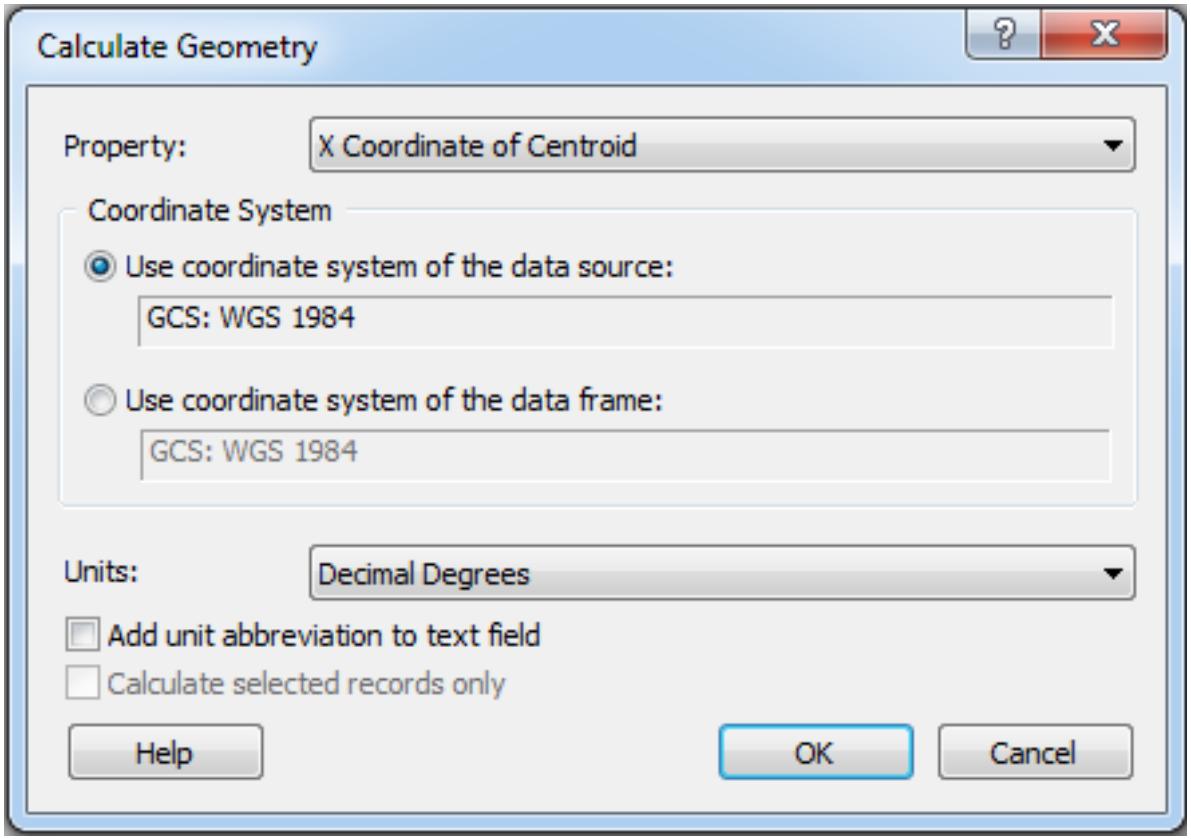


Field Options

Right click on a field name to get…



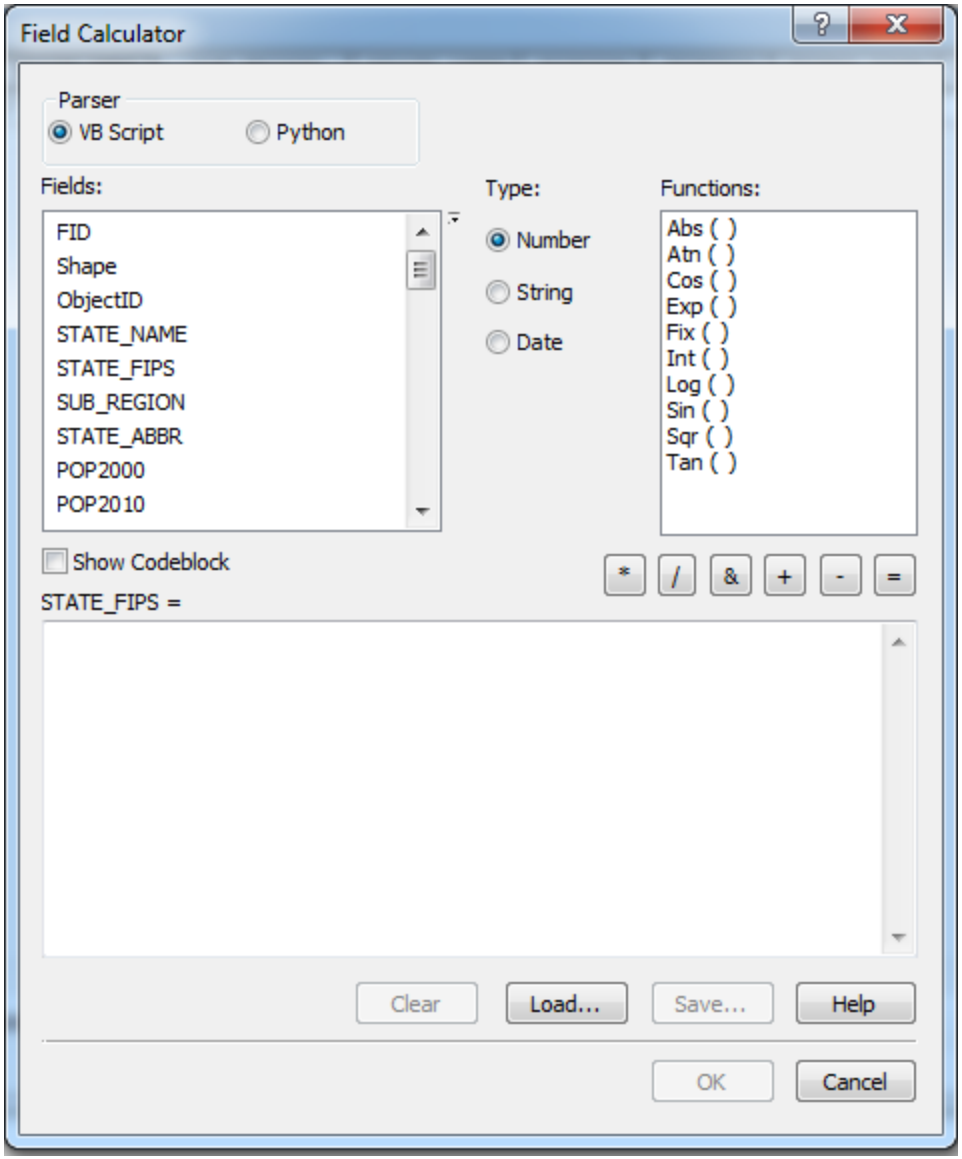
Calculate Geometry



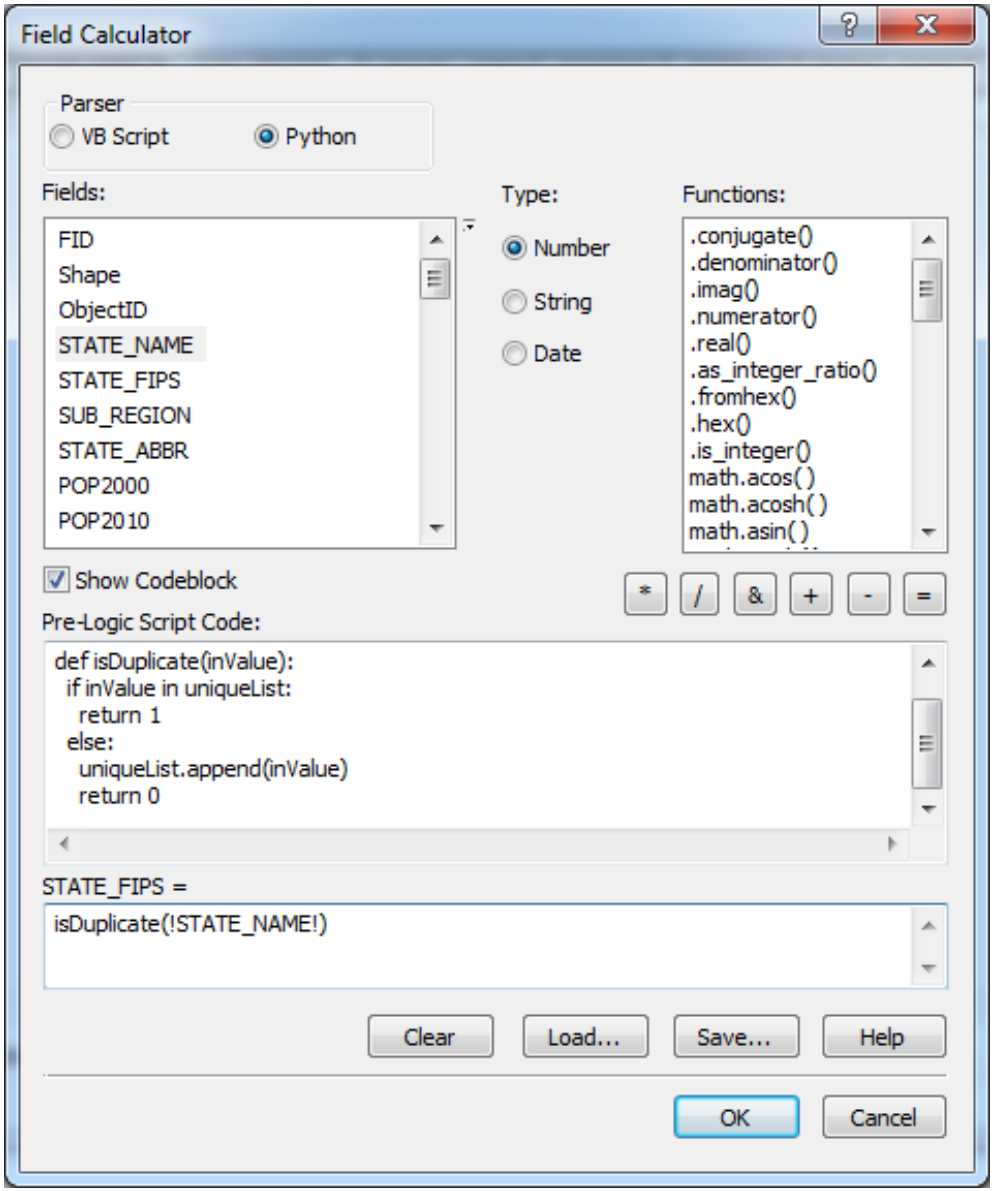
- Area (polygon)
- Perimeter (polygon)
- X/Y Coordinate of Centroid (polygon/point)
- Length (line)
- X/Y Coordinate of line start/end (line)

Field Calculator

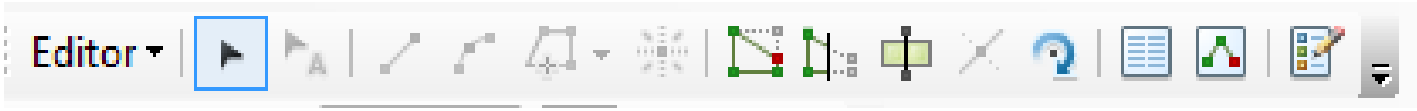
Use the Field Calculator to add data to fields and perform text or numerical operations

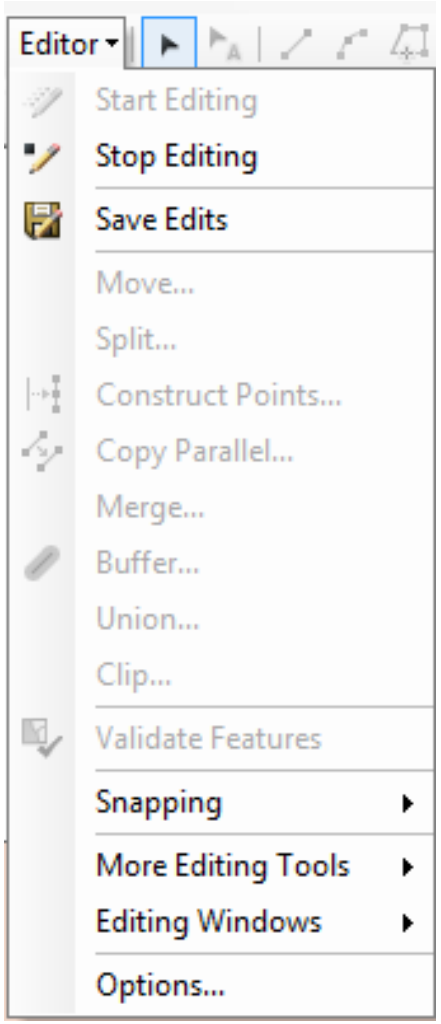


Advanced Field Calculator



Editor Toolbar





The Editor Toolbar allows for manipulation of data fields and shapefile geometry

Editor Toolbar

- In an edit session you can…
  - Manually manipulate data cells (type, delete, etc)
  - Create new features (polygons, points, lines) in existing shapefiles
  - Modify the geometry of existing features in a shapefile
  - Use the Replace function of Find/Replace

- In an edit session, you cannot create a new field