



Building a geodatabase, Editing features and attributes

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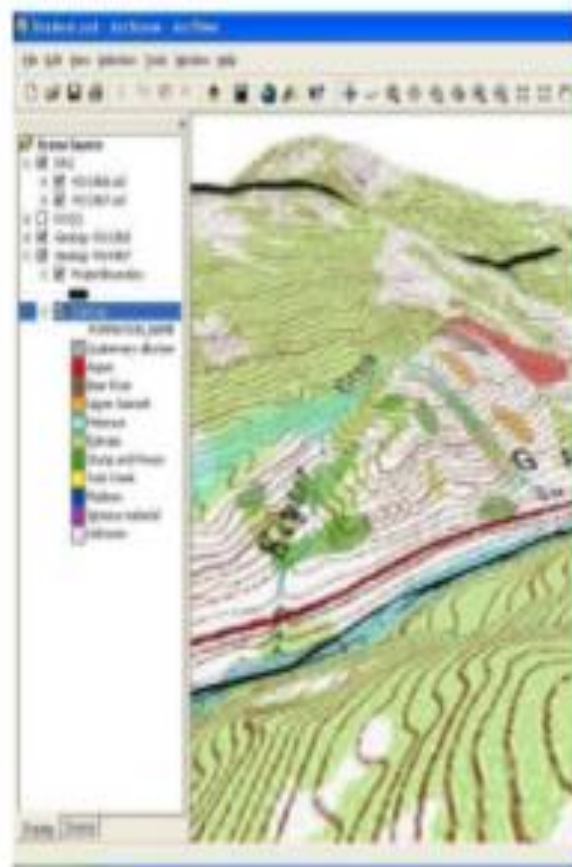
ArcMap

To view, edit and query geospatial data and create maps.



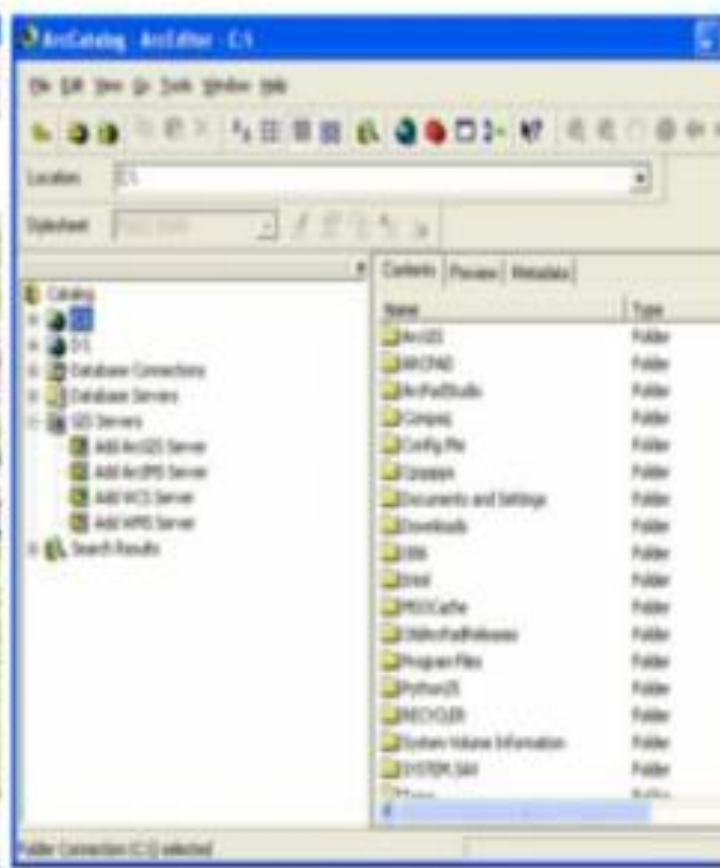
ArcScene

3D visualisation application, allowing you to view GIS data in 3D.



ArcCatalog

A data management application used to browse datasets and files.

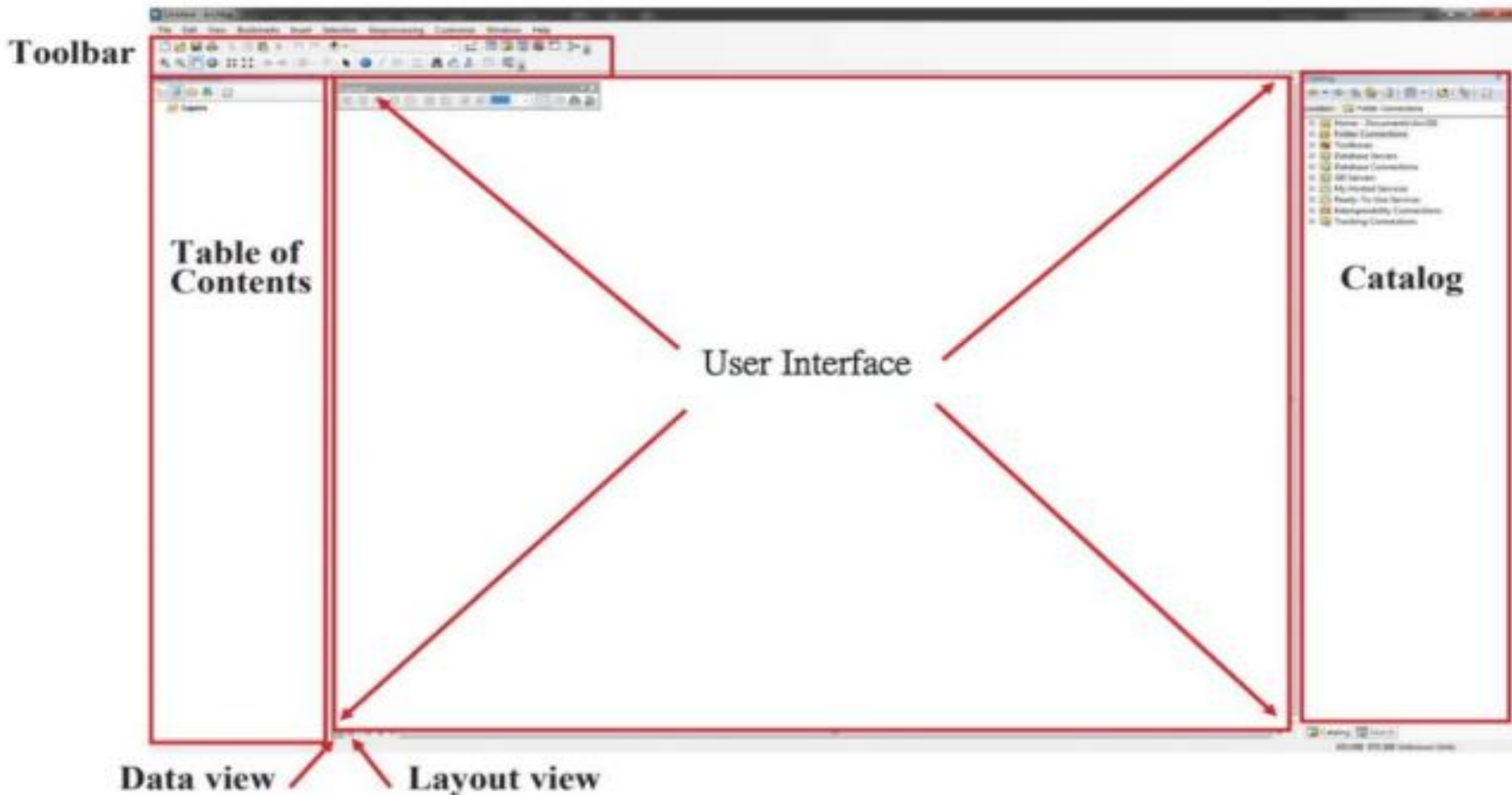


ArcToolbox

Contains geoprocessing, data conversion and analysis tools.



Navigating ArcMap

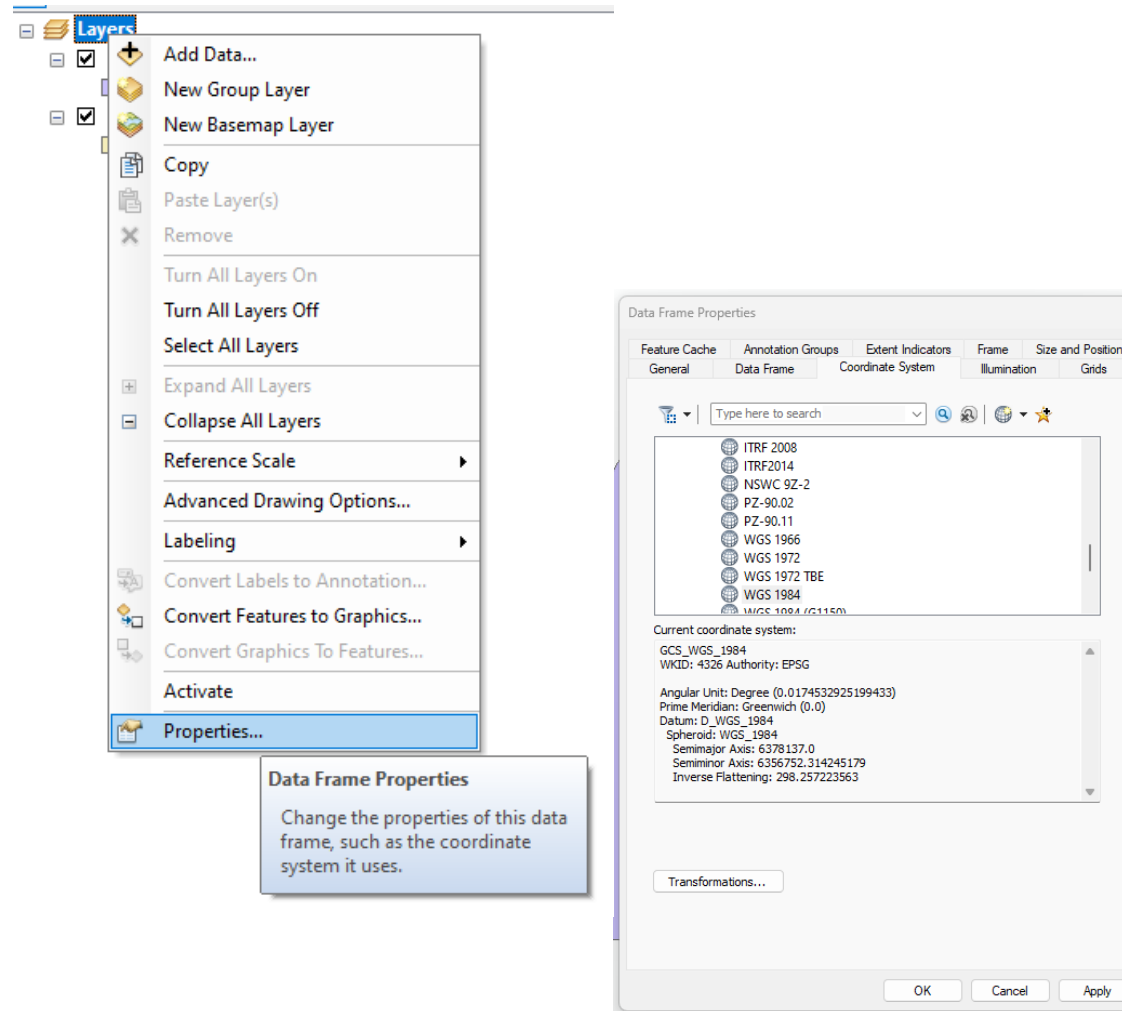


Typical process of using ArcMap

- Retrieve and prepare your geospatial data e.g. base map data, the object of study (e.g. statistics, crash data)
- Import the data into ArcMap (Data view)
- Visually configure spatial data (Data view) e.g. design map showing different points of interest
- Prepare for presentation/printing (Layout View)

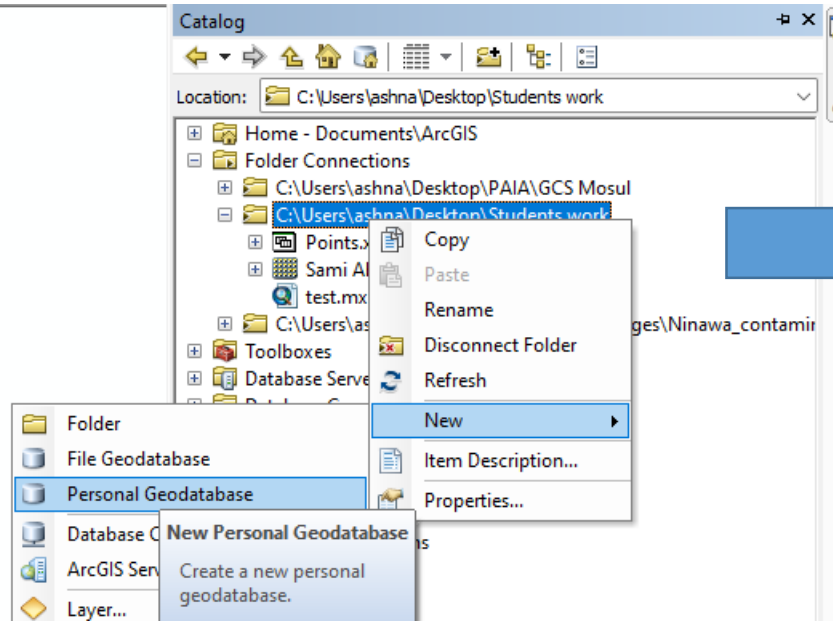
Setting Map Units, Display Units and Map Projection

Right click on the *data frame* 'Layers' at the top of the legend and scroll down to 'Properties.'

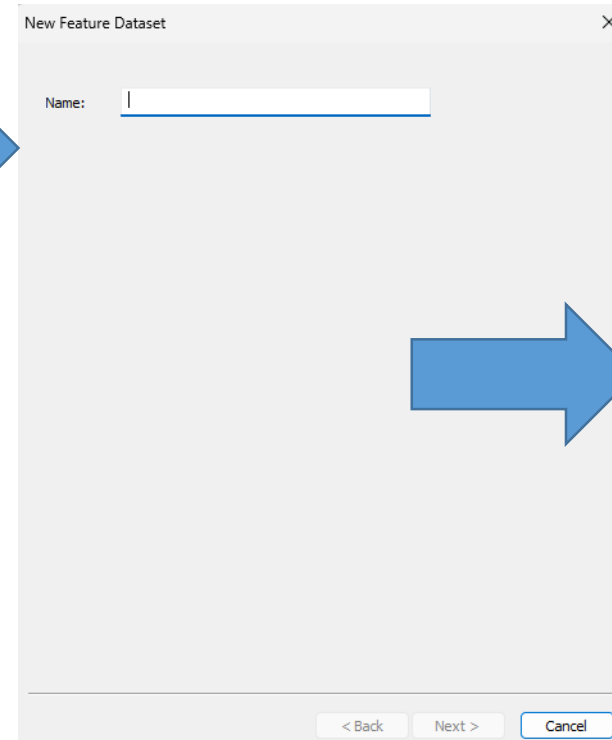


Building a geodatabase

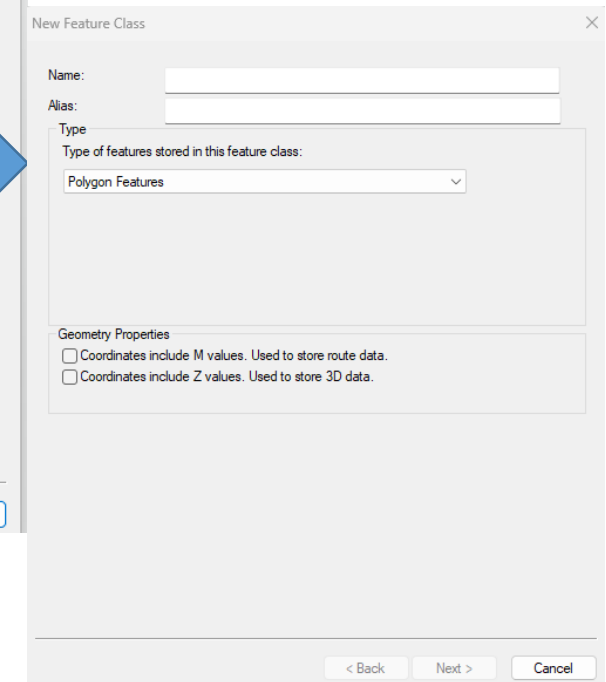
1-Personal Geodatabase



2-Feature Dataset



3-Feature Class



- **Feature modification tools**

- Creating and Editing features
- Create features by digitizing
- Modify a feature template
- Digitize a polygon
- Update attributes
- Digitize line features
- Modify existing features
- Modify vertices
- Reshape a feature
- Split a polygon
- Merge polygons