

I Didn't Know You Could Do That!



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WHO NEEDS
TRAINING TO KEEP
UP WITH TECHNOLOGY
TRENDS?

ME.



YOU'RE FIRED. I
ONLY WANT PEOPLE
WHO ALREADY KNOW
HOW TO DO THEIR
JOBS.

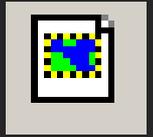


I DID
NOT SEE
THAT
COMING.

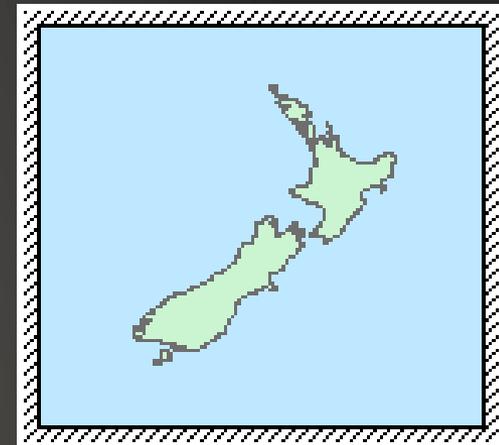
THEY DON'T
HAVE A CLASS
TO FIX THAT.



Focusing a Data Frame



- In layout view, focusing the active data frame allows you to work with the features and elements in that data frame as though you were in data view.
- Unfocused: text and graphics that you draw are added to the page layout, stored in the units of the page, and won't appear if you switch to data view.
- Focused: additions and modifications to map in the context of your map layout.



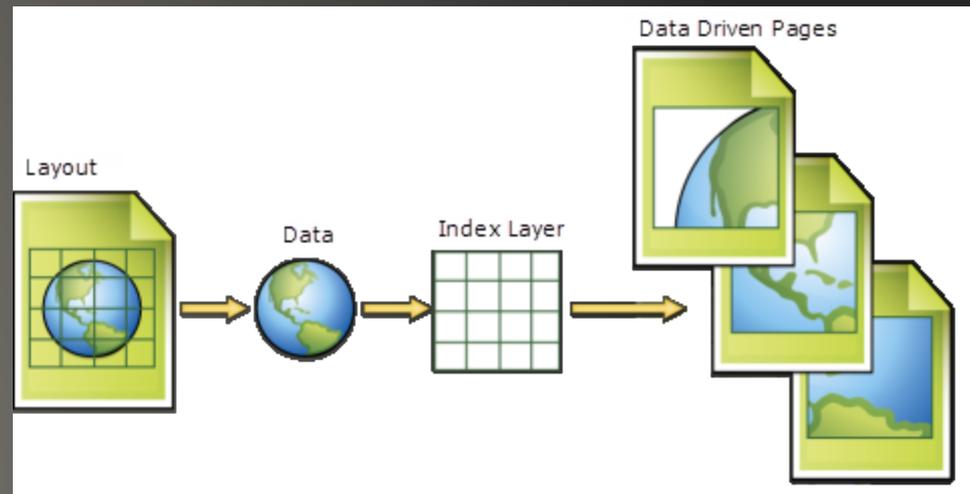
When a data frame is in focus, a thick, diagonal line border will appear around it.

Set Data Sources

- available when you right-click a map document (.mxd) or a map service definition file (.msd) in **ArcCatalog** or the *Catalog* window
- can be used to change the referenced data sources in a map document or map service definition file
- The tool will not override the .mxd or .msd file. Instead, a copy of the original file is created by default.

Data Driven Pages

- allow you to quickly and easily create a series of layout pages from a single map document.
- A feature layer, or index layer, divides the map into sections based on each index feature in the layer and generates one page per index feature.



Convert Coordinate Notation Tool

- Converts a table containing point coordinate fields to a point feature class.
- The input coordinate fields can be in a variety of notations
- The output point feature class point coordinate fields in a coordinate notation of your choosing.

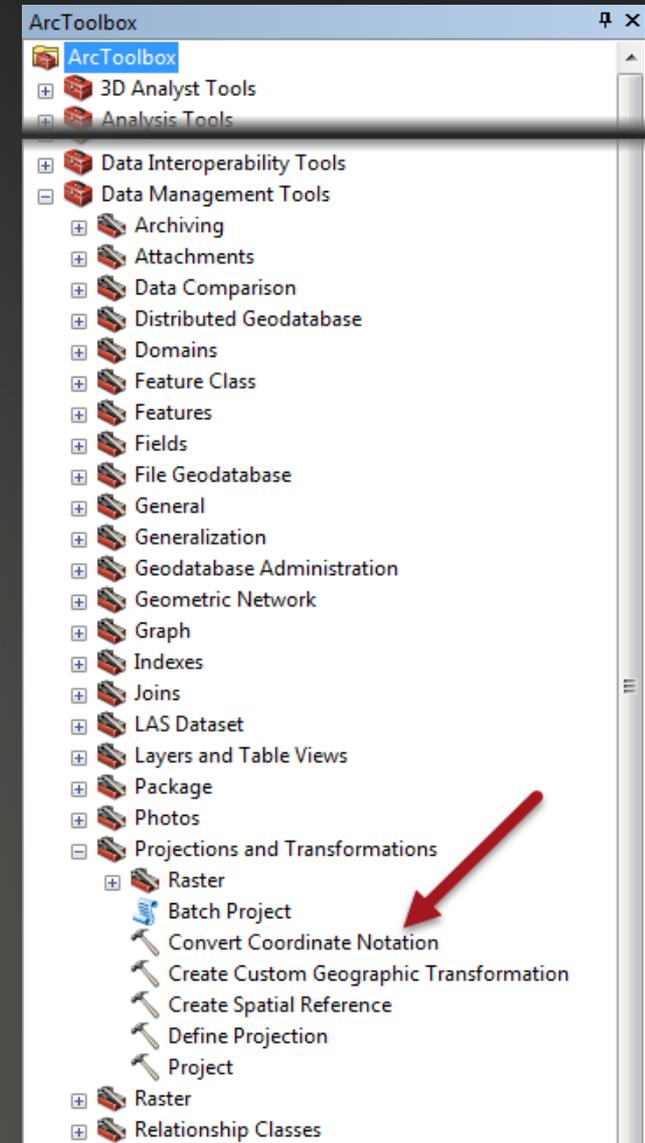
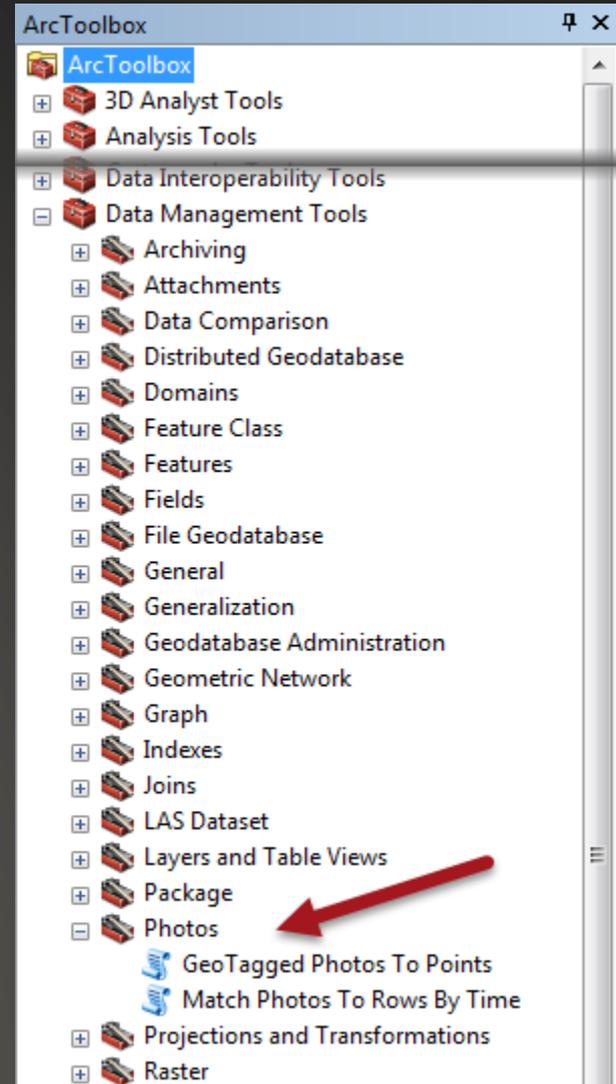


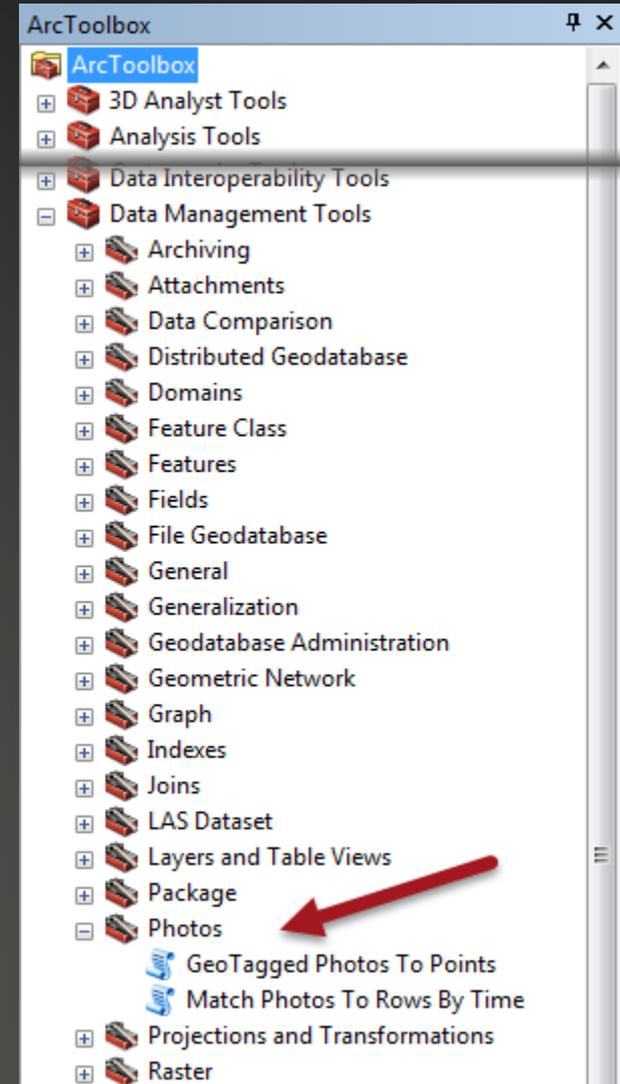
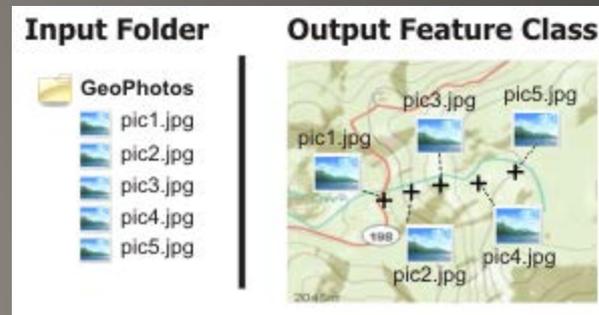
Photo Tools

- Tools for analyzing and managing digital photograph files.
- Create a point feature class from **geotagged** photo files
- Match photo files to features or table rows based on photo's time stamp.
- Enable connection between traditional tabular, feature data and photo information.



GeoTagged Photos to Points

- Creates points from the x-, y-, and z-coordinate information stored in geotagged photos.
- Optionally adds photo files to features in the output feature class as geodatabase attachments.



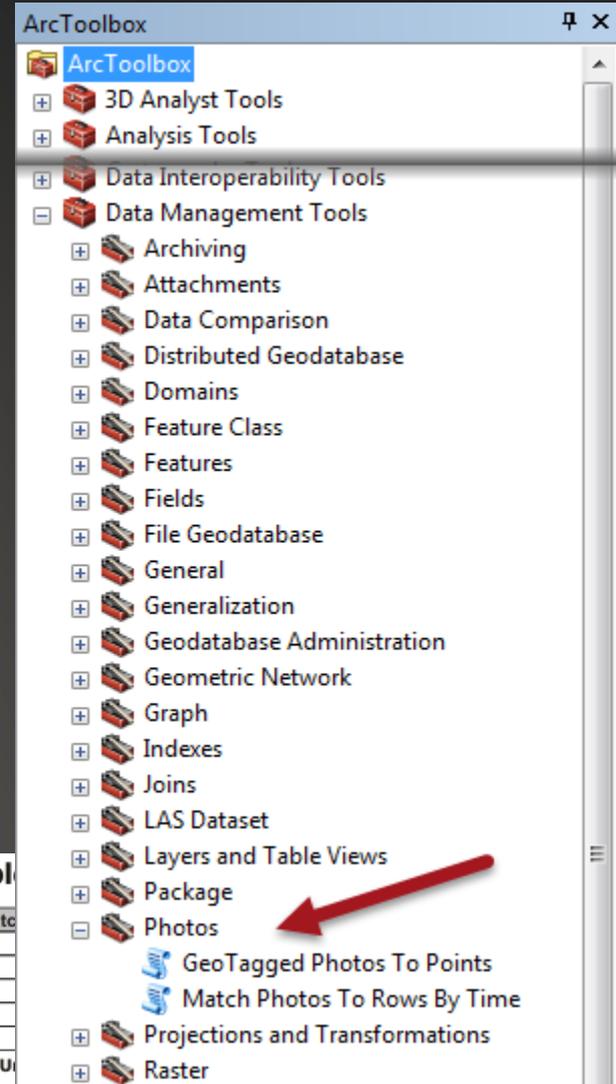
Match Photos to Row by Time

- Match photo files to table or feature class rows according to the photo and row time stamps.
- The row with the time stamp closest to the capture time of a photo will be matched to that photo.
- Creates a new table.

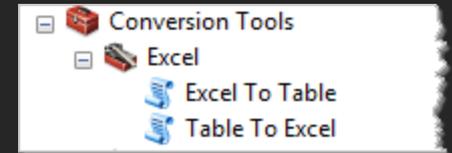
Input Folder		Input Rows		Output Table		
Pictures		ObjectID	DateTime	IN_FID	Photo	Match
Name	Time Stamp	1	9:41:42 AM	1	pic1.jpg	
pic1.jpg	9:41:39 AM	2	9:42:23 AM	2	pic2.jpg	
pic2.jpg	9:42:19 AM	3	9:43:17 AM	3	pic3.jpg	
pic3.jpg	9:43:15 AM	4	9:44:51 AM	4	pic4.jpg	
pic4.jpg	9:44:53 AM	5	9:45:02 AM	6	pic5.jpg	
pic5.jpg	9:46:31 AM	6	9:46:36 AM			

Time Field: DateTime

Time Difference Unit: Seconds

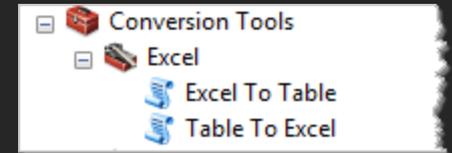


Excel Toolset



- **Excel to table**
 - Supports *.xlsx and *.xls formats.
 - Assumes vertically ordered tabular data.
 - First row = field names (may be renamed during the validation process to prevent any errors or duplicate names)
 - Supported data types:
 - float, text, date and Boolean

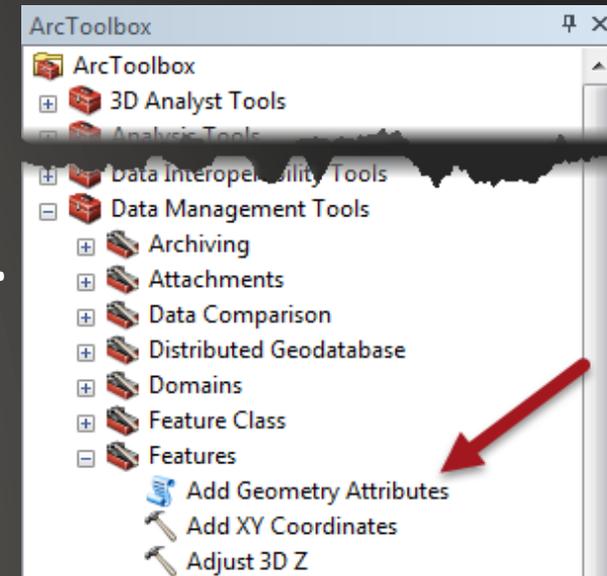
Excel Toolset



- **Table to Excel**
 - converts a table to a Microsoft Excel file.
 - convert only to Microsoft Excel 5.0/95 Workbook (.xls) format

Add Geometry Attributes

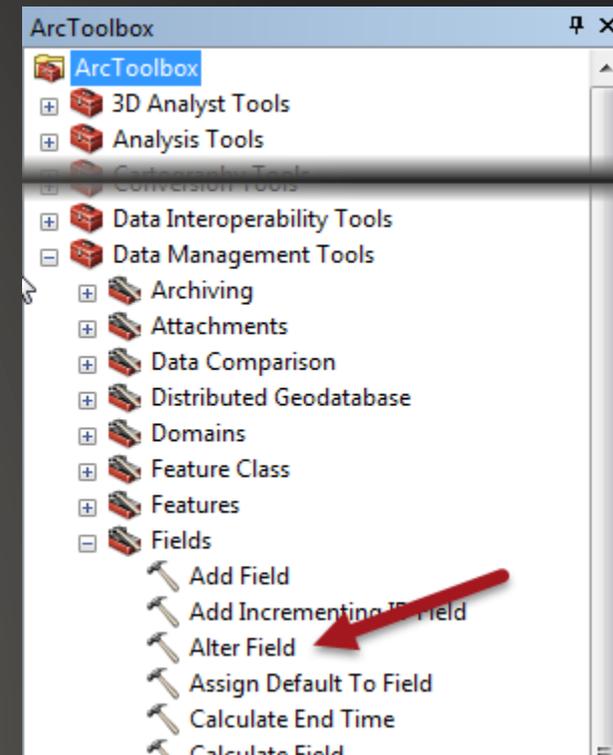
- Adds new attribute fields to a feature
- An alternative way to **Calculate Geometry** or **Calculate Field**
- Attribute field(s) will be added to features depending on the options specified in the Geometry Properties parameter.
- If the fields already exist –
 - values in those fields will be overwritten.



Caution: This tool modifies the input data.

Alter Field

- Allows you to rename a field and change its alias.
- Input table **must** be a geodatabase table or feature class
- **Shapefiles and coverages cannot have their field properties altered.**



Xtools Extension Upgrade

- Includes more than 70 tools for vector spatial analysis, shape conversion and table management
- More than 40 geoprocessing tools

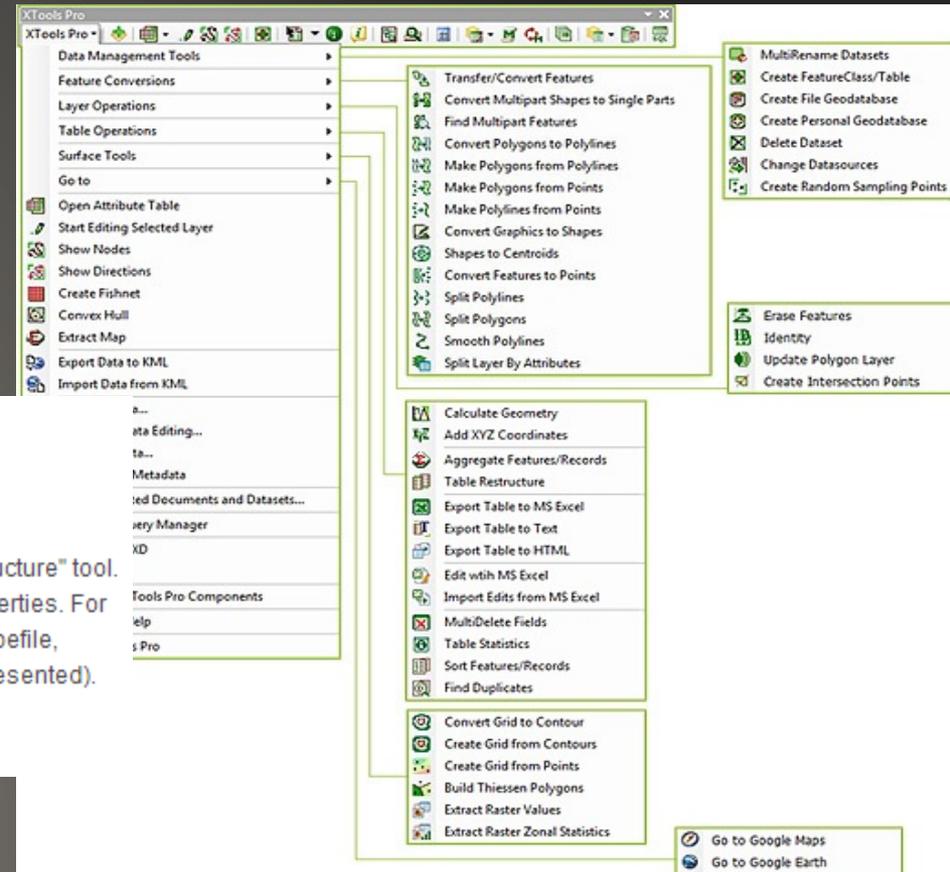
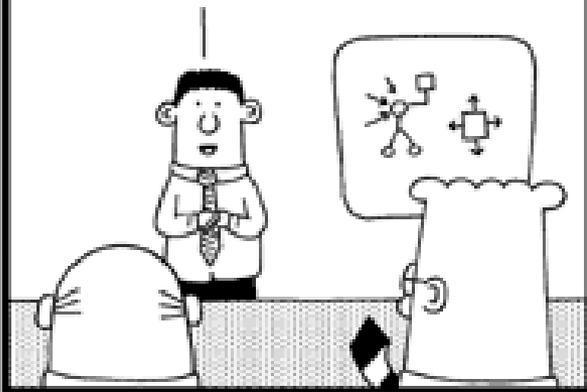


Table Restructure

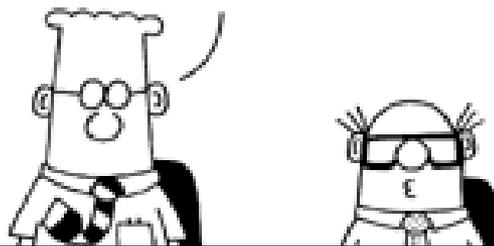
Table Restructure

any kind of modifications can be performed for attribute tables with "Table Restructure" tool. That is, the user can add, move, or remove attribute fields and change their properties. For string fields capitalization can be modified. Results can be stored as a new shapefile, personal geodatabase feature class or stand-alone table (if no shape field is presented). The coordinate system can be modified as well. Besides, there are options for concatenating tables and building spatial indexes for shapefiles.

THAT CONCLUDES MY
TWO-HOUR PRESENTA-
TION. ANY QUESTIONS?



DID YOU INTEND THE
PRESENTATION TO BE
INCOMPREHENSIBLE,
OR DO YOU HAVE SOME
SORT OF RARE "POWER-
POINT" DISABILITY?



ARE THERE
ANY QUESTIONS
ABOUT THE
CONTENT?



THERE WAS
CONTENT?