

01_ExcelNavigation

- Configure Excel—Stop autosave, clear default directory, trusted locations, show developer tab in ribbon.
- Keyboard navigation and blocks of data, function keys, F2, F4, F8, F9, F11, and heavily used keyboard shortcuts such as, **Ctrl+1**.
- Status bar –Quick sampling functions—01_PRISM_4.0km.NV.xlsx.
- Paste special—Values, math, transpose—02_NamedRanges.xlsx.
- Named ranges and [data validation](#)—02_NamedRanges.xlsx.

02_Plotting

- Create stacked bar and lines—01_BarLine.xlsx.
- Bar charts differentiate positive & negative—02_Departure.xlsx.
- XY Adding elements to charts –
Copy-paste, Direct entry in formula bar—03_XYmap.xlsx.
- Specify labels from ranges—04_FC_isotope_PAIRS.xlsx.

03_Text+Logic_Functions

- Introduce [LEFT](#), [VALUE](#), [LEN](#), [FIND](#), [MID](#), [RIGHT](#), [IF](#), and [ISNUMBER](#) functions— 01_TextManipulate.xlsx.
- Introduce [SUBSTITUTE](#), [TEXT](#), and [HYPERLINK](#) functions—
01_TextManipulate.xlsx.
- If statements and logic— 02_IFplus.xlsx.
Present 03_TransmissivityDV3.xlsx as example of categorizing data.

04_ConditionalFormatting

- Shade PRISM with generic flood—01_PRISM_4.0km.NV.xlsx.
- Controlled shading of PRISM—01_PRISM_4.0km.NV.xlsx.

05_Regression

- Analyze specific conductance-chloride from Death Valley—
Regress in chart and duplicate with equations—01_linearQW.xlsx.
- Analyze log-transformed specific capacity-transmissivity relations and
demonstrate limitations of regression equations—
02_Example_T-SC-DeathValley+OtherSCeqs.xlsx.

06_Solver

- Explain weighted sum-of-squares objective functions and parameter transforms
necessary for using the [Solver](#) add-in— 00_ParameterEstimation+SOLVER.pptx.
- 2-parameter Theis example—01_Theis_Solution+Sensitivity.xlsm.

07_UsingVBAfunctions

- Show examples of user-defined functions and moving modules with functions to
new workbooks