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## Excel and VBA Tips

- To see the formulae in the cells rather than the resulting values, press [Ctrl]+['].
- VBA snippet for dynamically changing the max and min on the value (y) axis for a chart (named "Chart 1") to the values in cells P1 and P2:

```
ActiveSheet.Shapes("Chart 1").Chart.Axes(xlvalue).MinimumScale = Range ("P1").Value
ActiveSheet.Shapes("Chart 1").Chart.Axes(xlvalue).MaximumScale = Range ("P2").Value
```

- For hyperlink in a location the same spreadsheet use #. Examples:
  - HYPERLINK("#Sheet2!A1", "Sheet2") is a hyperlink to cell A1 in worksheet Sheet2.
  - HYPERLINK("'New Sheet'!A1", "New Sheet") is a hyperlink to cell A1 in worksheet New Sheet. Note that single quotes (') are required around the sheet name since the sheet name contains a space.
  - HYPERLINK("'&C1&'!A1", C1) is a hyperlink to cell A1 in worksheet name in cell C1. Note that single quotes (') are required around the sheet name since the sheet name may contain a space.

- VBA code for copying and pasting a range:

```
Worksheets("Sheet1").Range("C1:D4").Copy Destination:=Worksheets("Sheet2").Range("E5")
```

This is equivalent to selecting the range C1:D4 in Sheet1, copying it, and then pasting it to E5 in Sheet2.

- To copy just the formulas from a range to another without affecting other properties, use:

```
Worksheets("Sheet2").Range("E5:F8").Formula = _ Worksheets("Sheet1").Range("C1:D4").Formula
```

.Formula copies the formulas to the target cell exactly as entered in the source cell. For example, if D1 contains =C1^2 then F5 will also contain =C1^2.

- To have the formulas copied with relative addresses, use .FormulaR1C1. For example,

```
Worksheets("Sheet3").Range("H5:I8").FormulaR1C1 = _
Worksheets("Sheet1").Range("C1:D4").FormulaR1C1
```

copies the formulas as well but adjusts them keeping the relative addresses. For example, if D1 contains =C1^2 then I5 will contain =H5^2

- To copy just the values from a range to another without affecting other properties, use:

```
Worksheets("Sheet2").Range("E5:F8").Value = _ Worksheets("Sheet1").Range("C1:D4").Value
```

- To copy formats from a range to another, use the following two commands:

```
Worksheets("Sheet1").Range("C1:D4").Copy  
Worksheets("Sheet2").Range("J1").PasteSpecial xlPasteFormats
```

This is equivalent to selecting the range C1:D4 in Sheet1, copying it, and then using PasteSpecial... Formats to J1 in Sheet2.

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