

## **VBA** for Excel Cheat Sheet

by guslong via cheatography.com/1345/cs/510/

VBA data types		
Туре	Description	
Variant	any data type	
Integer	(2 bytes) integer	
Long	(4 bytes) integer	
Single	(4 bytes) floating point	
Double	(8 bytes) floating point	
String	non-numeric data	
Object	any object reference	
Date	a date	
Boolean	True / False	
Byte	1-255	

## **Cell selection**

select a single cell

Range("A1").Select

select a contiguous range

Range("A1:G5").Select

select a non-contiguous range

Range("A1:G5,J10:J15").Select

offset syntax (move from A1 to A2)

Range("A1").Offset(1,0).Select

select down to first empty cell

Range(Selection,

Selection.End(xlDown)).Select

set a cell's value

Range("A1").Value = i

# deleting, moving, copying (VBA)

Delete entire row

Rows("2").Delete

Delete entire column

Columns("B").Delete

Copy / paste a range with destination

Range("A1:B6").Copy
Destination:=Range("A1")

Clear a range

Range("D:D").Clear

### deleting, moving, copying (VBA) (cont)

Delete a worksheet

Worksheets("Sheet2").Delete

Execute a formula calculation in a range

Range("A1:A3").Formula = 2\*2/6

Use RANGE to select single cells.

#### Iterate through a selection

Dim cell As Range For Each cell In Selection

...

Next cell

#### **Control structures VBA**

Do ... Until Loop

Do [Until condition]

...

Loop

Do ... While Loop

Do [While condition]

•••

Loop

For...Next Loop

For counter = start To end [Step s]

...

Next [counter]

#### "WITH" syntax

With Worksheets("Sheet1")

.Rows

.Columns

...

End With

The "with" construction provides a shorthand way of accessing many properties and methods of the same object.

String functions	
InStr ([start], "string", "what_to_find")	Returns position of string within a string
StrConv("string", vbProper Upper Lower Case)	converts string to proper upper lower case
Left ("string", x)	Return specified
Len ("string")	Return length of string
Trim ("string")	Trims string of leading and trailing spaces
Split("string", ",")	Split string by delimiter e.g. comma
Val("string")	Return numerical part only
StrComp("strA", "strB", vbTextCompare)	Compare two strings (0=true)

#### **VBA** information functions

IsArray

IsEmpty

IsError

IsMissing

IsNumeric IsNull

IsObject

C

By **guslong** cheatography.com/guslong/

Published 13th August, 2012. Last updated 5th June, 2014. Page 1 of 1. Sponsored by **CrosswordCheats.com**Learn to solve cryptic crosswords!
http://crosswordcheats.com