

京都先端科学大学

Information Literacy

04

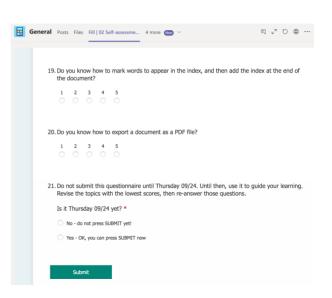
spreadsheets

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if you haven't already, submit your self-assessment quiz

be sure to complete the questions first



today's in-class assignment is worth 10 points

you can start working on it now, if you like

or you can listen to me if you

- have questions about the self-preparation topics, or
- are interested in some more advanced topics

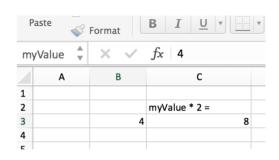
rearrange your seating now, if you want

any questions about the self-preparation assignment?

- basic editing, autofill, formulas
- absolute and relative cell references
- conditional functions/formatting
- visualisation, charts
- plotting functions

named cells

top-left of cells is 'name' field



you can type into it to give a cell a name

names are unique within the workbook

conditional functions

general case: IF (condition, value-if-true, value-if-false)

IF(M3<60, "F", IF(M3<70, "C", IF(M3<80, "B", IF(M3<90, "A", "A+"))))

M		N
Score		Grade
	75	В

indirect value lookup

lookup a value in table:

VLOOKUP (value, range, column-number-in-range)

0 F 60 C 70 B 80 A 90 A+

100

М	N	0	P	Q
Score	Grade		0	F
75	В		60	С
			70	В
			80	Α
			90	A+
			100	

is anyone interested in how to plot functions?

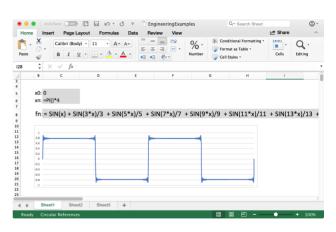
column of values: min + (max-min)*(COL()-col0)/(nrows-1)

column of functions

scatter plot

select table

- data
- what-if
- input col = table top-left



is anyone interested in user-defined functions?

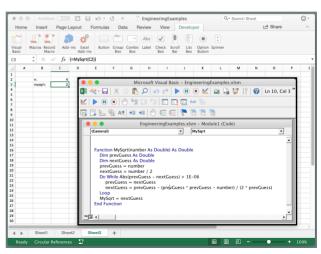
Win: RMB on ribbon > Customise Ribbon

Mac: Preferences > Ribbon & Toolbar

Developer > VB VBA Proj. > Insert > Module

Function Foo(num As Double) As Double Foo = num * num * num End Function

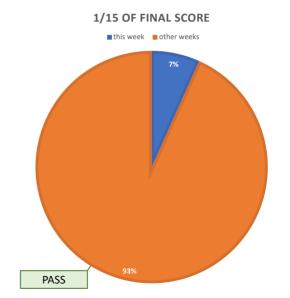
Debug > Compile Project



please submit today's assignment before 23:59 tonight

this assignment is worth 1/15 of your final score

• or about 6.7%



the materials for next week will be online soon

on the course web page before the end of the afternoon

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https://kuas.org/~piumarta/il
```

read the the notes about filesystems

use online resources to find more information

complete the self-preparation assignment

install a command-line environment (if necessary)

check your own learning progress during the week

use the self-assessment questionnaire

- 1. answer the questions (honestly), do **not** press "submit"
- 2. pick a question with a low score
- 3. revise the topic, update your score, repeat from 2.
- 4. on Thursday evening, press "submit"

ask questions in the Teams "Q&A" channel

share any good resources you discover in the class notebook

ask for help whenever you need it

but most importantly...

have fun!

see you next week