

CHAPTER 3 Applied Visualization with MS Excel 2016

EDITOR:

AZIMAN BIN ABDULLAH

Faculty of Computer Systems & Software Engineering aziman@ump.edu.my



Learning Outcomes

This chapter aims for learner to be able to:-

1. Apply data visualization in Microsoft Excel 2016.



Table of Content

Using conditional formatting

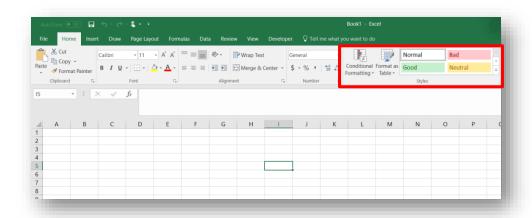
				-	-	-				
	Α	В	С	D	E	F	G	Н	- 1	J
1	98	56	81	72	73	67	71	52	95	49
2	7	18	81	8	100	26	91	32	52	44
3	41	34	3	65	27	79	11	96	6	29
4	67	94	11	55	14	29	28	23	86	69
5	24	14	53	77	84	85	28	38	62	85
6	47	56	89	75	90	59	93	81	50	23
7	24	85	32	12	56	65	25	56	26	72
8	5	28	28	57	37	44	84	92	74	17
9	55	18	69	56	10	4	33	18	91	56
10	40	75	43	32	42	90	95	71	4	30

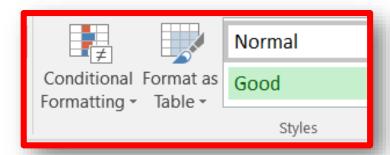
A B C D E F G H I J
1 98 56 81 72 73 67 71 52 95 49
2 7 18 81 8 100 26 91 32 52 44
3 41 34 3 65 27 79 11 96 6 29
4 67 94 11 55 14 29 28 23 86 69
5 24 14 53 77 84 85 28 38 62 85
6 47 56 89 75 90 59 93 81 50 23
7 24 85 32 12 56 65 25 56 26 72
8 5 28 28 57 37 44 84 92 74 17
9 55 18 69 56 10 4 33 18 91 56
10 40 75 43 32 42 90 95 71 4 30

Before After



Conditional Formatting





Using this feature to identify, differentiate or cluster certain value in cells to reveal pattern or insight.



Tutorial

 Assume you already have 100 data with different values like below.

4	Α	В	C	D	Ε	F	G	Н	1	J
1	98	56	81	72	73	67	71	52	95	49
2	7	18	81	8	100	26	91	32	52	44
3	41	34	3	65	27	79	11	96	6	29
4	67	94	11	55	14	29	28	23	86	69
5	24	14	53	77	84	85	28	38	62	85
6	47	56	89	75	90	59	93	81	50	23
7	24	85	32	12	56	65	25	56	26	72
8	5	28	28	57	37	44	84	92	74	17
9	55	18	69	56	10	4	33	18	91	56
10	40	75	43	32	42	90	95	71	4	30
-										

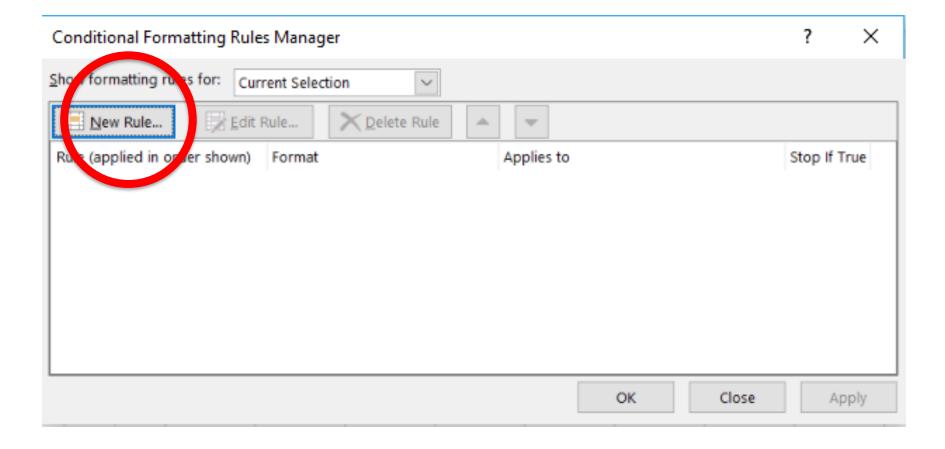


Visualize with Conditional Formatting

- Step 1 : Select all the values in the cells.
- Step 2 : Click Home>Conditional Formatting>Manage Rules

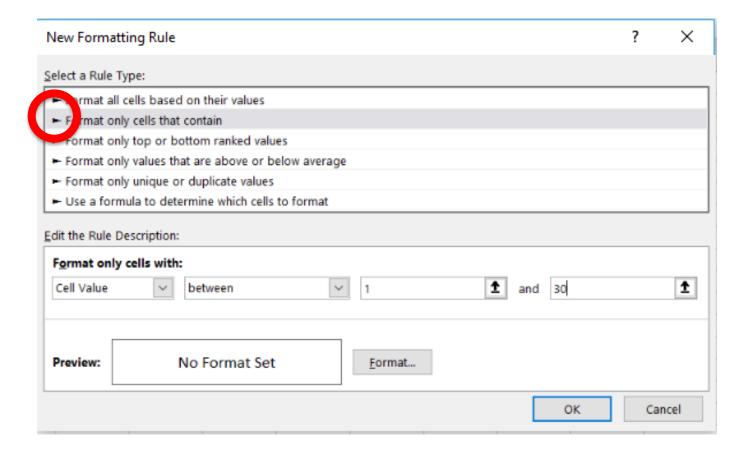


Select "New Rule..."



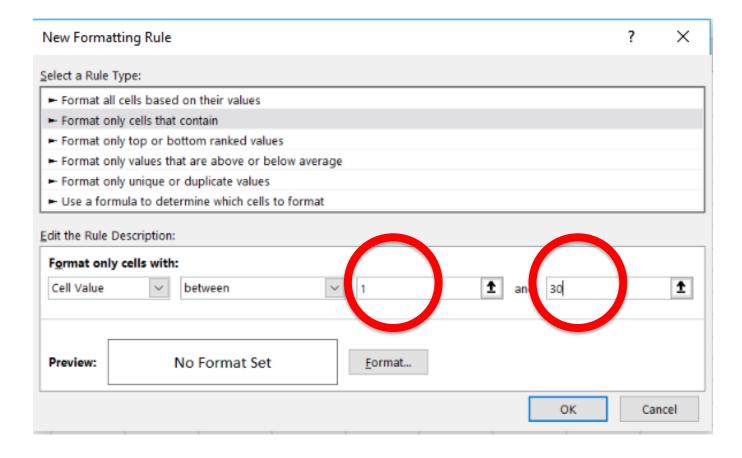


Select "Format only Cells that contain"



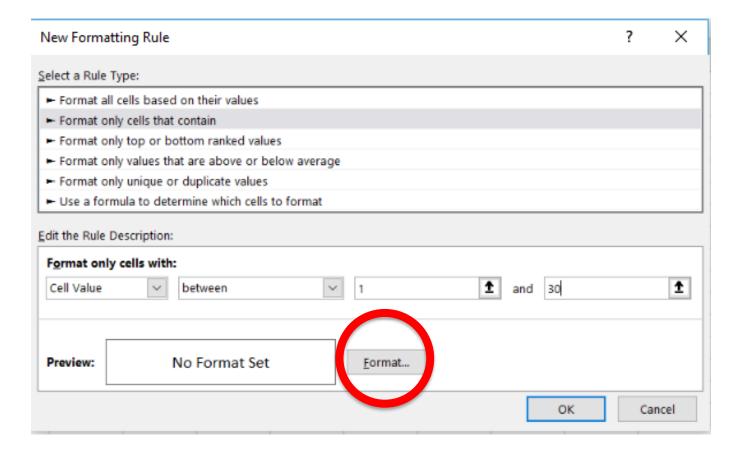


Enter your preferred values



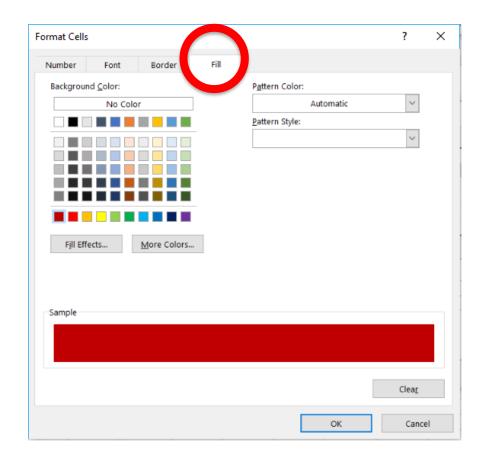


Click "Format"





Click "Fill" and choose your preferred colour





Result

\square	Α	В	C	D	Е	F	G	Н	- 1	J
1	98	56	81	72	73	67	71	52	95	49
2	7	18	81	8	100	26	91	32	52	44
3	41	34	3	65	27	79	11	96	6	29
4	67	94	11	55	14	29	28	23	86	69
5	24	14	53	77	84	85	28	38	62	85
6	47	56	89	75	90	59	93	81	50	23
7	24	85	32	12	56	65	25	56	26	72
8	5	28	28	57	37	44	84	92	74	17
9	55	18	69	56	10	4	33	18	91	56
10	40	75	43	32	42	90	95	71	4	30

