

# Day 74

## DIY

### Q1. Problem Statement: Calculations and Functions in Tableau

Use the given dataset *Marksheet.xlsx* and load it into a tableau workbook, then solve asked questions using different charts and graphs. The following are the tasks to be taken into consideration while constructing worksheets for given tasks.

1. Load the given datasets into a tableau workbook
2. Create new calculated fields as "Total" and add a total of all subject
3. Create new calculated fields as "Percentage" and find the student's percentage in the exam with the help of "total"
4. Create new calculated fields as "Grade" and give them labels as if the percentage is <40, then "F," if <50, then "D," if <60, then "C," if < 70, then "B," if <80 then "A," if <90 then "A+" if >=90 then "O"
5. Create new calculated fields as "Result" and give a pass if the student passed in every subject, "ER" if the student just failed in a single subject, and "failed" if they got failed in more than one subject
6. Use a packed bubble graph and figure out how many students are passed/failed or got ER
7. Use the vertical bar chart to distinguish students by their grades in each division (Division to x-axis and count of Grades to the y-axis)
8. Find out the top five students from each division
9. Filter out data where students got more than 60% and less than 80% as a result and sort them in descending order

**NOTE:** Save your DIY. It will continue in the next day's DIY.

### Dataset:

The data files contain data of 12<sup>th</sup> commerce where it has five subjects as Accountancy, English, Maths, Economics, Business Studies. And their marks are out of 100.

- It has 120 students total and is divided into four divisions, A, B, C, and D, equally

Sr. No.	Division	Roll No	Name	Accountancy	English	Maths	Economics	Business Studies
1	A	1	Akhilesh	97	36	47	13	34
2	A	2	Ruchi	69	85	86	51	53
3	A	3	Bhawna	19	72	41	53	40
4	A	4	Isha	76	68	46	11	22
5	A	5	Chetan	55	31	56	99	93
6	A	6	Neeti	84	57	68	30	31
7	A	7	Chanchal	18	46	51	63	22
8	A	8	Preeti	93	93	31	93	20
9	A	9	Richa	33	89	55	46	69
10	A	10	Manish	21	27	84	82	96
11	A	11	Karun	13	48	27	26	38
12	A	12	Madhur	85	74	26	53	84
13	A	13	Nitesh	28	31	27	77	17
14	A	14	Suresh	75	61	78	30	78
15	A	15	Tina	69	35	64	90	55
16	A	16	Pooja	39	10	27	90	34
17	A	17	Sunny	84	17	63	77	69
18	A	18	Nancy	30	14	33	52	84
19	A	19	Komal	33	33	33	33	33
20	A	20	Vipul	64	81	50	37	59
21	A	21	Meena	61	36	59	98	68
22	A	22	Diskha	65	55	75	95	71
23	A	23	Deepak	41	54	22	51	78
24	A	24	Chinki	87	69	42	52	67
25	A	25	Chhavi	19	32	20	62	80
26	A	26	Manisha	50	95	93	57	31