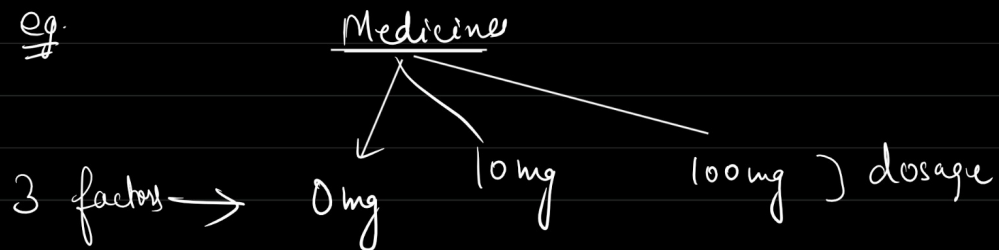


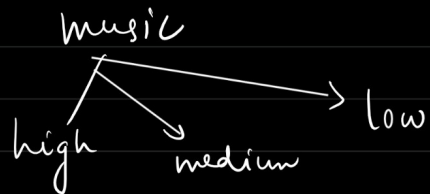
Types of ANOVA (3 types)

① One way ANOVA : one factor with atleast two levels, and levels are independent.

eg.



eg.



eg.

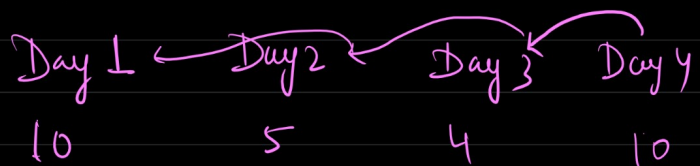
Stress level of three departments

Dep A	Dep B	Dep C
8	1	6
5	2	5
6	3	7
2	4	8

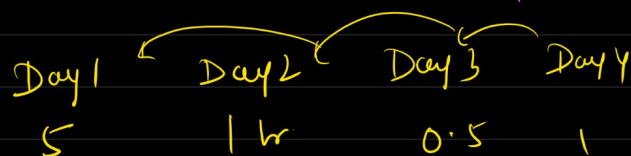
② Repeated measures ANOVA - One factor with atleast two levels, but levels are dependent.

eg.

No of hours studied



eg. Gym



③ Factorial ANOVA :- Two or more factors (each of which with atleast 2 levels) • Levels can be either dependent, independent or both.

→ Two way Anova → It deals with only two factors.

		<u>medicine (factor)</u>			
		0 mg	10 mg	100 mg	3 levels
Gender (<u>factor</u>)	Male	2	3	3	
		3	4	2	
		4	1	1	
		5	5	6	
	Female	1	2	7	
		2	3	8	
		1	1	6	
		3	4	5	

	Running Brand of shoes ← <u>factor</u>		
	Brand A	Brand B	Brand C
- Monday	10	1	—
✓ Wednesday	15	2	—
Saturday	10	5	—