

Awaysis of Variance (ANOVA)

Types of ANOVA (3 Types)

1) One Way ANOVE : One factor with attest 2 levels 1 these levels

are independent

Eg: Docher wants to test a new medication to decreec headache.

They split the participans in 3 (anditions [long, 20mg, 30mg]

Docker ask the participans to rake the headache [1-10]

Medication -> factor

long	a	dong		
5		7	2	
3		4	6	
			:::: ::: ::	

2) Repeated Messers Anova: One factor with aflers 2 levels, levels are dependent.

Running - Factor

devels -- Day 1 Day 2 Day 3

3 Factorial Awova : Two or more factors (each of which with atterest)

a leads, levels can be independent and dependent

		Running	, — Fachr	
f ₀	nus .	Day 1	Day 2	Day 3
	Mala	8	5	4
Cocorda	· un	9	h	3
J		λ	4	6
factor	remak	7	8	3