

From Walpole, Myers, Myers, Ye " Probability and Statistics for Eng & Sci 7th ed"
 Study "Effect of Magnesium Ammonium Sulphate on the Height of Chrysanthemums"
 Different amounts of fertilizer applied to 10 plants each. Y = change in heights (cm)
 Treatments are conc MgNH₄PO₄ in (g/bu)

	Treatments				
	50	100	200	400	Grand
	13.2	16	7.8	21	
	12.4	12.6	14.4	14.8	
	12.8	14.8	20	19.1	
	17.2	13	15.8	15.8	
	13	14	17	18	
	14	23.6	27	26	
	14.2	14	19.6	21.1	
	21.6	17	18	22	
	15	22.2	20.2	25	
	20	24.4	23.2	18.2	

mean	15.34	17.16	18.3	20.1	17.725
effect	-2.385	-0.565	0.575	2.375	SST
devsq	92.724	184.304	241.38	119.84	758.035
					SSE
				sum devsq =	638.248
					SSTr
				SST - SSE =	119.787

Single factor ANOVA TABLE

Source	DF	SS	MS	F	P
Model (Tr)	3	119.787	39.929	2.25217157	0.09893277
Error	36	638.248	17.7291111		
Total	39	758.035			

