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						SS total	SS explained	SS not explained
id	output	method				$(y_{gk}-y_{mean})^2$	$(y_{g,mean}-y_{mean})^2$	$(y_{gk}-y_{g,mean})^2$
	1	68	1			16	16	
	2	77	1			25	16	81
	3	61	1			121	16	49
	4	67	1			25	16	1
	5	65	1			49	16	9
	6	70	1 mean		68	4	16	4
	7	79	2			49	1	36
	8	83	2			121	1	100
	9	62	2			100	1	121
	10	64	2			64	1	81
	11	72	2			0	1	1
	12	78	2 mean		73	36	1	25
	13	79	3			49	25	4
	14	78	3			36	25	1
	15	73	3			1	25	16
	16	76	3			16	25	1
	17	81	3			81	25	16
	18	75	3 mean		77	9	25	4
	19	75	4			9	4	25
	20	67	4			25	4	9
	21	68	4			16	4	4
	22	62	4			100	4	64
	23	72	4			0	4	4
	24	76	4 mean		70	16	4	36
mean total		72				968	276	692
				df		G*K-1		
						23	3	20
						MSS total	· ·	
						42.09	92.00	34.60
				F		2.659		

Critical F-value, F-distribution alpha 10% and 3 and 20 degrees of freedom

2.38

F is larger than the critical value, we reject H0