Argument #1 Null: the population mean percentage of women is the same for all the other judges.

Your turn: Find the F-statistic

Sum of squared residuals

d.f. MSS F

	Extra	C: subtract A from B 326.44	F: subtract D from E	G: divide C by F 65.29	I: divide G by H \·365	use R: 1- pf(I, F, D) 1-pf(1:365,5,3) 0.26
Full model	separate means model	A 1864.46	D 39	H: divide A by D		
Reduced	two means model	в 2190.90	E 44		•	

Argument #2 the population mean percentage of women for Spock is the same as the mean for all the other judges

		Sum of squared residuals	d.f.	MSS	F	p- value
	what's left?	C: subtract A from B Extra SS 3791.5.3 - 2190.90 = 1600.63	F: subtract D from E Extra d.f:	G: divide C by F 1600-63/1 = 1600-63	by H 1600-63	<0.0001
Full model	two means model	2190.90	44).	H: divide A by D 2190-90/44 -49.78	1-pf (32	2.15; 1,44)
Reduced model	equal means model	3791.53	45.	Ĝ,	2	