

# Exercise 4

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	DF	Sum Sq	Mean Sq	F value	Pr(>F)
f	4	6.72	1.68	2.24	0.137
Residuals	10	7.5	.75		
Total	14	14.22			

$$SS = (6.5 - 5.5)^2 + (4.5 - 5.5)^2 + (5.7 - 5.5)^2 + (5.7 - 5.5)^2 + (5.1 - 5.5)^2 = 2.24 \cdot 3 = 6.72$$

$$\frac{6.72}{4} = 1.68 \quad \frac{7.5}{10} = .75$$

$$F_0 = \frac{1.68}{.75} = 2.24$$

$$1 - pF(2.24, 4, 10) = 0.137$$