

(10 points : 10 minutes)

1. Use the following information (data, etc.) to complete the Analysis of Variance table and test the appropriate hypothesis for "One Way" AOV. Use a 2% significance level for the test.

Medicare costs for random samples of medicare patients in each state.

State:	AZ	CA	NV	OR	WA
	\$2,348	\$5,481	\$4,051	\$3,732	\$5,522
	\$3,895	\$5,493	\$2,085	\$5,279	\$4,352
	\$2,569	\$6,406	\$4,291	\$4,514	\$4,399
	\$4,063	\$3,115	\$2,162	\$5,521	\$6,161
	\$5,261	\$5,108	\$3,383	\$5,574	\$4,587
	\$3,572	\$5,273	\$4,861	\$3,175	\$5,370
	\$2,668	\$4,869	\$4,809	\$5,608	\$3,306
	\$4,079	\$2,414	\$3,361	\$4,201	\$4,341
	\$2,932	\$4,099	\$3,360	\$4,065	\$4,261
	\$3,478	\$5,843	\$4,563	\$2,744	\$4,313
	\$2,505	\$5,483		\$2,883	\$3,126
	\$3,699	\$3,510		\$3,656	
	\$2,730			\$3,357	
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Avg.	\$3,369.15	\$4,757.83	\$3,692.60	\$4,177.62	\$4,521.64
St.Dev.	\$819.87	\$1,244.86	\$1,058.09	\$1,078.95	\$877.17
n	13	12	10	13	11
d.f.	12	11	9	12	10

Ho: _____

 H1: _____

Selected Summary Statistics:

70566800 = total sum of squares

56852688 = sum of squares for error

Anova Table

Source	SS	d.f.	MS	F	p-value
States					0.0183
Error					
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Total					