

King Fahd University of Petroleum & Minerals  
Department of Mathematics & Statistics  
STAT-212-Term122  
Quiz #3

Name: \_\_\_\_\_

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Serial: \_\_\_\_\_

A survey was conducted in five countries. The percentage of the respondents who said that they eat out one a week or more are as follows:

US	24%
France	32%
UK	28%

Suppose that the survey was based on 400 respondents in each country.

- a. At the 5% level of significance, determine whether there is a significant difference in the proportion of people who eat out at least once a week in the various countries.
- b. If appropriate, use Marascuilo procedure to determine which countries different.