*IDM355 Fall2020 Oct. 5, 2020 Quizzes Dr. Burtner Solution*

Fill-in-the-blank Component

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Fill in the missing values. |  |  |  |  |  |
|  |  |  |  |  |  |
| ANOVA |  |  |  |  |  |
| *Source of Variation* | *SS* | *df* | *MS* | *F* | *P-value* |
| City | 144.50 | 1 | 144.50 | 5.37 | 0.04 |
| Company | 822.11 | 2 | 411.06 | 15.29 | 0.00 |
| Interaction | 43.00 | 2 | 21.50 | 0.80 | 0.47 |
| Within | 322.67 | 12 | 26.89 |  |  |
|  |  |  |  |  |  |
| Total | 1332.28 | 17 |  |  |  |
|  |  |  |  |  |  |

Interpretation/Understanding/Analysis Component

Is the interaction between city and company significant?

no

18

How many items were in the data set?

How many companies were included in the data set?

3

Was this a 3X2 design?

no