|  |  |
| --- | --- |
|  |  |

Question 1

When the p-value is high, the data support the null hypothesis. True or False

When conducting a paired sample hypothesis test, you need two unrelated sets of data. True or False

The One-Way ANOVA is appropriate when you have four levels of the same factor. True or False

When sigma is known, and you have 10 items in the sample, you should use a Z-test. True or False

Question 2 **Consider the following data.**

|  |  |  |
| --- | --- | --- |
|  |  English | Spanish |
| Burt | 8.3 | 10.2 |
|  | 8.1 | 10.3 |
|  | 9.1 | 11.7 |
| Ernie | 11.2 | 9.3 |
|  | 13.9 | 8.9 |
|  | 12.5 | 7.5 |
| Mario | 13.9 | 10.3 |
|  | 10.8 | 10.5 |
|  | 12.5 | 10.7 |

Conduct an Anova: Two-Factor With Replication using Excel.

Who has the lowest average in English?

Who has the highest average in Spanish?

Is the Interaction between person and language significant?

What is the p-value for Interaction?

What is the value of SS Total?

What is the value of the degrees of freedom for the rows?

Save the file as MultipleSept301130yourname. Email it to me before 1pm.