Exercises 3 – T-tests and Chi-square Tests

**SPSS Exercises**

Open the Excel file <**Week 3 Data**>.

You have six tabs in this Excel file. Each tab corresponds to one of the six tests that you have learnt about this week.

You should use SPSS to complete the tables below where needed.

|  |  |
| --- | --- |
| **Question** | **Answer** |
| Test 1 is a |  |
| The assumption(s) of this test are |  |
| Test the assumptions of your chosen test |  |
| The H0 and H1 for this test are |  |
| The formula used to calculate the test statistic is |  |
| The calculated test statistic for this analysis is |  |
| The degrees of freedom for this test are |  |
| Was the test significant? If so, how do you know? If not, what has indicated this? |  |

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| **Question** | **Answer** |
| Test 2 is a |  |
| The assumption(s) of this test are |  |
| Test the assumptions of your chosen test |  |
| The H0 and H1 for this test are |  |
| The formula used to calculate the test statistic is |  |
| The calculated test statistic for this analysis is |  |
| The degrees of freedom for this test are |  |
| Was the test significant? If so, how do you know? If not, what has indicated this? |  |

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| **Question** | **Answer** |
| Test 3 is a |  |
| The assumption(s) of this test are |  |
| Test the assumptions of your chosen test |  |
| The H0 and H1 for this test are |  |
| The formula used to calculate the test statistic is |  |
| The calculated test statistic for this analysis is |  |
| The degrees of freedom for this test are |  |
| Was the test significant? If so, how do you know? If not, what has indicated this? |  |

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| **Question** | **Answer** |
| Test 4 is a |  |
| The assumption(s) of this test are |  |
| Test the assumptions of your chosen test |  |
| The H0 and H1 for this test are |  |
| The formula used to calculate the test statistic is |  |
| The calculated test statistic for this analysis is |  |
| The degrees of freedom for this test are |  |
| Was the test significant? If so, how do you know? If not, what has indicated this? |  |

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| **Question** | **Answer** |
| Test 5 is a |  |
| The assumption(s) of this test are |  |
| Test the assumptions of your chosen test |  |
| The H0 and H1 for this test are |  |
| The formula used to calculate the test statistic is |  |
| The calculated test statistic for this analysis is |  |
| The degrees of freedom for this test are |  |
| Was the test significant? If so, how do you know? If not, what has indicated this? |  |

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| **Question** | **Answer** |
| Test 6 is a |  |
| The assumption(s) of this test are |  |
| Test the assumptions of your chosen test |  |
| The H0 and H1 for this test are |  |
| The formula used to calculate the test statistic is |  |
| The calculated test statistic for this analysis is |  |
| The degrees of freedom for this test are |  |
| Was the test significant? If so, how do you know? If not, what has indicated this? |  |