**Hypothesis Testing II**

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

1. Independent Sample *t* test have:

|  |  |  |  |
| --- | --- | --- | --- |
| *a* | *b* | *c* | *d* |
| At least 2 data sets with different respondents/cases | At least 2 data sets with same respondents/cases | At least 1 data set with same respondents/cases | None of the given |

1. In Independent Samples T test for **assuming equal variance**, we need to add in the code:

|  |  |  |  |
| --- | --- | --- | --- |
| *a* | *b* | *c* | *d* |
| var.equal = TRUE | var.equal = F | var.equal = FALSE | None of the given |

1. The *p* value associated with *t* statistics of Independent Sample *t* test is 0.05 [alpha = 0.05] :

|  |  |  |  |
| --- | --- | --- | --- |
| *a* | *b* | *c* | *d* |
| Null hypothesis is accepted | Null hypothesis is rejected | Cannot decide | Redo the test |

1. The *p* value associated with *t* statistics of Independent Sample *t* test is 0.04 [alpha = 0.05]:

|  |  |  |  |
| --- | --- | --- | --- |
| *a* | *b* | *c* | *d* |
| Null hypothesis is accepted | Null hypothesis is rejected | Cannot decide | Redo the test |

1. The *p* value associated with *t* statistics of Independent Sample *t* test is 0.075 [alpha = 0.05]:

|  |  |  |  |
| --- | --- | --- | --- |
| *a* | *b* | *c* | *d* |
| Null hypothesis is accepted | Null hypothesis is rejected | Cannot decide | Redo the test |

1. Paired sample *t* test involves:

|  |  |  |  |
| --- | --- | --- | --- |
| *a* | *b* | *c* | *d* |
| At least 2 data sets with different respondents/cases | At least 2 data sets with same respondents/cases | At least 3 data sets with different respondents/cases | All of the given |

1. The *p* value associated with *t* statistics of Paired Sample *t* test is 0.04 [alpha = 0.05]:

|  |  |  |  |
| --- | --- | --- | --- |
| *a* | *b* | *c* | *d* |
| Null hypothesis is accepted | Null hypothesis is rejected | Cannot decide | Redo the test |

1. The *p* value associated with *t* statistics of Paired Sample *t* test is 0.40 [alpha = 0.05]:

|  |  |  |  |
| --- | --- | --- | --- |
| *a* | *b* | *c* | *d* |
| Null hypothesis is accepted | Null hypothesis is rejected | Cannot decide | Redo the test |

1. Chi square test involves:

|  |  |  |  |
| --- | --- | --- | --- |
| *a* | *b* | *c* | *d* |
| Two categorical variables | Two continuous variables | Three categorical variables | Three continuous variables |

1. ANOVA can be said as:

|  |  |  |  |
| --- | --- | --- | --- |
| *a* | *b* | *c* | *d* |
| Multiple One Sample t test | Multiple Independent Sample t test | Multiple Paired Sample t test | Chi square test |