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

**Activity 14-1**

1. The chi-square statistic is used to analyze nominal or ordinal data. If you are analyzing a single variable you would use a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_   
    (*Choose one*: goodness-of-fit chi-square/chi-square of independence)

If you are analyzing the relationship between two nominal or ordinal variables you would use a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (*Choose one*: goodness-of-fit chi-square/chi-square of independence).

1. \_\_\_\_\_

|  |  |
| --- | --- |
| Approve | Disapprove |
| 398 | 572 |

1. \_\_\_\_\_
2. \_\_\_\_\_
4. \_\_\_\_\_\_\_\_
5. \_\_\_\_\_
6. Write the correct summary below.

|  |  |  |
| --- | --- | --- |
| Approve | Disapprove | No opinion |
| 620 | 373 | 28 |

1. \_\_\_\_\_
2. \_\_\_\_\_

|  |  |  |
| --- | --- | --- |
| Approve | Disapprove | No opinion |
| 620 | 373 | 28 |

1. \_\_\_\_\_
3. \_\_\_\_\_\_\_
4. Write the summary below.

|  |  |  |
| --- | --- | --- |
| Approve | Disapprove | No opinion |
| 620 | 373 | 28 |



|  |  |  |
| --- | --- | --- |
| Keep tax cuts for all | Keep tax cuts for only those making less than 250K | Do nothing and allow tax cuts to expire for all tax payers |
| 378 | 449 | 153 |

1. \_\_\_\_\_
2. \_\_\_\_\_
4. \_\_\_\_\_
5. Fewer people favor extending the tax cuts to everyone or extending them to only those making less than 250K than would be expected by chance and more people favor allowing the tax cuts to expire than would be expected by chance, χ2 (1) = 146.35, p < .05. The greatest discrepancy from the expected value was in the middle option in which more people favored the tax cuts for only those making less than 250K.

|  |  |  |  |
| --- | --- | --- | --- |
|  | Keep tax cuts for all | Keep tax cuts for only those making less than 250K | Do nothing and allow tax cuts to expire for all tax payers |
| Republican | 204 | 121 | 42 |
| Independent | 111 | 116 | 43 |
| Democrat | 65 | 215 | 68 |

1. \_\_\_\_\_
2. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. Political identification and opinion on extending the Bush tax cut were not associated, χ2 (4) = 9.49, p < .05. Republicans were much more likely to favor keeping the tax cuts for all tax payers. Independents were slightly less likely to favor keeping the tax cuts for only those making less than 250K a year. Democrats were much more likely to favor extending the tax cuts for only those making less than 250K a year.