**Psy 633 Lab 6  
Chi-Square Statistic**

**(1)  A school psychologist is researching the normative data on standardized tests for potential use in her district. During her search she finds a frequency count from a sample of *n* = 300 school psychologists. After administering all three tests, each psychologist indicated which of the three tests they most preferred to administer. The data is given below (with made-up test names for fun).**

|  |  |  |
| --- | --- | --- |
| **Westminster Intelligence Measure for British Lads and Dutch Nobles (WIMBLDN)** | **Dolores Umbridge scale for Naughty Gentiles (DUNG)** | **Functional Intelligence Assessment and Cognitive Battery for Infants, Children, Adolescents, and Centenarians (FIACBICAC)** |
| **134** | **63** | **103** |

**Do the results indicate a significant preference among the three tests? Write the results in APA format.**

**(2)**  A frequency distribution (see below) shows the level of Full-Scale IQ scores according to Race for a sample of 99 people assessed by the WJ-Cognitive.  **What can we conclude about the relationship between IQ Score and Race in this sample? Write the results in APA format.**

IQ Range Race Totals

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Latino | Black | Asian | White |  |
| Below Average | **12** | **10** | **3** | **3** | **28** |
| Average | **8** | **8** | **7** | **10** | **33** |
| Above Average | **3** | **8** | **11** | **16** | **38** |
|  | **23** | **26** | **21** | **29** | **99** |