**Independent Sample t-Test: IQ Comparison between Genders**

An independent sample t-test was conducted to compare IQ scores between males (n=50) and females (n=52). The results indicated no statistically significant difference in IQ scores between males (M = 96.43, SD = 19.08) and females (M = 98.07, SD = 13.02), t=−0.535, two-tailed. Therefore, the null hypothesis that there is no difference in mean IQ scores between males and females in the population is not rejected. It can be concluded that there is no significant difference in mean IQ scores between genders in the population.

**Table 5. Mean difference of IQ between male and female**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | gender | Mean | SD | t | P value | 95%  LL | CI  UL | Results |
|  | male | 96.43 | 19.08 | -0.535 | 0.594 | -7.66 | 4.40 | Not Signifi |
| female | 98.07 | 1302 |  |  |  | |  |