What are the effects of gender and worksite location (on- or off-site) on level of confidence? In other words:

* 1. Is there a gender difference in confidence?
  2. Does type of worksite experience affect confidence?
  3. Is there an interaction between gender and worksite in their effect on confidence?

|  |
| --- |

| **Between-Subjects Factors** | | | |
| --- | --- | --- | --- |
|  | | Value Label | N |
| Gender | 1 | **male** | **30** |
| 2 | **female** | **30** |
| Location of Work | 1 | **On-Site** | **30** |
| 2 | **Off Site** | **30** |

| **Descriptive Statistics** | | | | |
| --- | --- | --- | --- | --- |
| Dependent Variable:Confidence | | | | |
| Gender | Location of Work | Mean | Std. Deviation | N |
| male | On-Site | **18.15** | **3.543** | **20** |
| Off Site | **21.00** | **4.830** | **10** |
| Total | **19.10** | **4.163** | **30** |
| female | On-Site | **20.90** | **5.666** | **10** |
| Off Site | **25.20** | **5.406** | **20** |
| Total | **23.77** | **5.776** | **30** |
| Total | On-Site | **19.07** | **4.464** | **30** |
| Off Site | **23.80** | **5.517** | **30** |
| Total | **21.43** | **5.518** | **60** |

| **Levene's Test of Equality of Error Variancesa** | | | |
| --- | --- | --- | --- |
| Dependent Variable:Confidence | | | |
| F | df1 | df2 | Sig. |
| **1.791** | **3** | **56** | **.159** |
| Tests the null hypothesis that the error variance of the dependent variable is equal across groups. | | | |
| a. Design: Intercept + Gender + worksite + Gender \* worksite | | | |

| **Tests of Between-Subjects Effects** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| Dependent Variable:Confidence | | | | | | |
| Source | Type III Sum of Squares | df | Mean Square | F | Sig. | Partial Eta Squared |
| Corrected Model | **504.083a** | **3** | **168.028** | **7.279** | **.000** | **.281** |
| Intercept | **24225.208** | **1** | **24225.208** | **1049.481** | **.000** | **.949** |
| Gender | **161.008** | **1** | **161.008** | **6.975** | **.011** | **.111** |
| worksite | **170.408** | **1** | **170.408** | **7.382** | **.009** | **.116** |
| Gender \* worksite | **7.008** | **1** | **7.008** | **.304** | **.584** | **.005** |
| Error | **1292.650** | **56** | **23.083** |  |  |  |
| Total | **29360.000** | **60** |  |  |  |  |
| Corrected Total | **1796.733** | **59** |  |  |  |  |
| a. R Squared = .281 (Adjusted R Squared = .242) | | | | | | |