Sample Report1  
Introduction  
A two-way analysis of variance was employed to investigate the relationship between gender,  
academic rank, and annual salary in dollars. Data were collected from 397 professors in 2008. The  
ANOVA table is given in Table 1.

Table Two-way Analysis of Variance

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | *Sum Sq* | *Df* | *F value* | *Pr(>F)* |
| (Intercept) | 67009671400 | 1 | 119.538 | 0 |
| rank | 15266607695 | 2 | 13.617 | 0 |
| sex | 97803720 | 1 | 0.174 | 0.676 |
| rank:sex | 43603063 | 2 | 0.039 | 0.962 |
| Residuals | 219184457146 | 391 |  |  |

The interaction between gender and rank is plotted in Figure 1.



Figure Mean Effects Plot