Table 3. Summary of Testing Hypotheses Utilizing Analysis of Variance

 (ANOVA) for Ratings of Professors by, Gender, Race and Age.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Hypotheses |  | Sum of squares | df  | Mean Square | F | Sig. |
| 1 (Gender) | Between Groups | 136.101 | 4 | 34.025 | 25.607 | .000 |
| Within Groups | 417.234 | 314 | 1.329 |  |  |
| Total  | 553.335 | 318 |  |  |  |
|  |
| 2 (Race) | Between Groups | 27.875 | 4 | 6.969 | 29.843 | .000 |
| Within Groups | 73.323 | 314 | 234 |  |  |
| Total | 101.197 | 318 |  |  |  |
|  |
| 3 (Age) | Between Groups | 56.911 | 4 | 14.228 | 30.369 | .000 |
| Within Groups | 147.108 | 314 | .468 |  |  |
| Total  | 204.019 | 318 |  |  |  |