**Assignment Type:** Individual Project   **Deliverable Length:** 3 pages

The report should be well written and should flow well with no grammatical errors. It should include proper citation in APA formatting in both the in-text and reference pages and include a title page, be double-spaced and in Times New Roman 12-point font.

Prepare a report using Excel as your processing tool to process three simple regression analyses.

1. First run a regression analysis using the BENEFITS column of all data points in the AIU data set as the independent variable and the INTRINSIC job satisfaction column of all data points in the AIU data set as the dependent variable.
2. Run a regression analysis using the BENEFITS column of all data points in the AIU data set as the independent variable and the EXTRINSIC job satisfaction column of all data points in the AIU data set as the dependent variable.
3. Run a regression analysis using the BENEFITS column of all data points in the AIU data set as the independent variable and the OVERALL job satisfaction column of all data points in the AIU data set as the dependent variable.
4. Create a graph with the trendline displayed for each of the three different regressions. What are the least squares regression line equations for each of the three different regressions? What are the slopes and the y-intercepts? What are the R-squared values for the three different regressions? Finally, make very specific comments and give reasons regarding any similarities or differences in the output results. Which regression produces the strongest correlation coefficient result? Why?

Here are the DATA SETS needed for this assignment.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **GENDER** | **AGE** | **DEPT** | **POSITION** | **TENURE** | **OVERALL** | **INTRINSIC** | **EXTRINSIC** | **BENEFITS** |
| 1 | 3 | 3 | 1 | 1 | 3.8 | 5.5 | 4.1 | 6.1 |
| 1 | 1 | 1 | 2 | 3 | 5.3 | 4.2 | 4.7 | 6.3 |
| 1 | 2 | 1 | 2 | 1 | 6.5 | 5.3 | 3.8 | 5.1 |
| 1 | 2 | 2 | 1 | 2 | 4.6 | 4.3 | 5.6 | 5.3 |
| 1 | 1 | 3 | 2 | 3 | 6.4 | 4 | 5.5 | 4.5 |
| 1 | 1 | 3 | 1 | 2 | 5.1 | 4.5 | 4.4 | 5.5 |
| 1 | 2 | 2 | 2 | 3 | 5.3 | 4.7 | 3.1 | 5.2 |
| 1 | 1 | 2 | 1 | 1 | 3.7 | 5.3 | 6.9 | 5.1 |
| 1 | 2 | 3 | 1 | 1 | 5.5 | 4.9 | 4.6 | 5.6 |
| 1 | 2 | 2 | 2 | 3 | 4.2 | 3.4 | 6.2 | 5.5 |
| 1 | 2 | 2 | 1 | 1 | 5.2 | 5.5 | 5.5 | 4.1 |
| 2 | 3 | 2 | 1 | 1 | 5.1 | 6 | 4.9 | 5.2 |
| 2 | 2 | 1 | 1 | 2 | 6.5 | 6.2 | 3.2 | 5.3 |
| 2 | 2 | 2 | 2 | 2 | 6.5 | 4.2 | 4.6 | 6.2 |
| 2 | 2 | 3 | 1 | 1 | 5.9 | 5.7 | 5.7 | 5.4 |
| 2 | 2 | 1 | 1 | 1 | 6.8 | 6.4 | 6.1 | 4.2 |
| 2 | 1 | 2 | 1 | 3 | 5.1 | 3.7 | 3.9 | 3.2 |
| 2 | 2 | 2 | 2 | 2 | 4.6 | 6.2 | 4.6 | 6.2 |
| 2 | 1 | 2 | 1 | 2 | 6.2 | 6.5 | 5.5 | 5.7 |
| 2 | 3 | 2 | 1 | 1 | 5.6 | 6.2 | 4.4 | 5.6 |
| 2 | 2 | 3 | 2 | 1 | 4.5 | 6.2 | 4.4 | 5.4 |
| 2 | 2 | 1 | 2 | 3 | 5.9 | 6.3 | 6.2 | 4.3 |
| 2 | 1 | 2 | 1 | 3 | 5.4 | 5.7 | 4.7 | 5.7 |
| 2 | 1 | 3 | 1 | 2 | 6.9 | 5.2 | 5.5 | 6.3 |
| 2 | 2 | 2 | 2 | 1 | 5.6 | 4.6 | 3.3 | 5.6 |

|  |  |
| --- | --- |
| **KEY TO JOB SATISFACTION SURVEY** | |
| **Gender** | |
| 1 | Male |
| 2 | Female |
| **Age** | |
| 1 | 16 - 21 |
| 2 | 22 - 49 |
| 3 | 50 - 65 |
| **Department** | |
| 1 | Human Resources |
| 2 | Information Technology |
| 3 | Administration |
| **Position** | |
| 1 | Hourly Employee (Overtime Eligible) |
| 2 | Salaried Employee (No Overtime) |
| **Tenure With Company** | |
| 1 | Less than 2 years |
| 2 | 2 to 5 years |
| 3 | Over 5 Years |
| **OVERALL** | *Scale from 1-7* |
|  | 1 = Least Satisfied |
|  | 7 = Most Satisfied |
| **INTRINSIC** | *Scale from 1-7* |
|  | 1= Least Satisfied |
|  | 7= Most Satisfied |
| **EXTRINSIC** | *Scale from 1-7* |
|  | 1 = Least Satisfied |
|  | 7 = Most Satisfied |
| **BENEFITS** | *Scale from 1-7* |
|  | 1= Least Satisfied |
|  | 7= Most Satisfied |