MGT 9050
PROJECT 5

SIMPLE REGRESSION

1. Run a simple regression analysis in which you predict *PerfScoreID* from *EmpSatisfaction*. Provide a summary of this analysis like what you would find in a journal article. Be sure to provide a table of results, a plot of the regression line, AND a written summary of the results in your response.

    a. Is the regression weight statistically significant?
    b. What is the regression equation?
    c. Provide an interpretation of the slope in terms of the variables involved.
    d. Interpret the y-intercept.
    e. What is the predicted *PerfScoreID* for someone with an average level of *EmpSatisfaction*?
    f. What percentage of variance in *PerfScoreID* is explained by *EmpSatisfaction*?

2. Run a simple regression analysis in which you predict *Absences* from *EngagementSurvey*. Provide a summary of this analysis like what you would find in a journal article. Be sure to provide a table of results, a plot of the regression line, AND a written summary of the results in your response.

    a. Is the regression weight statistically significant?
    b. What is the regression equation?
    c. Provide an interpretation of the slope in terms of the variables involved.
    d. Interpret the y-intercept.
    e. What is the predicted *Absences* for someone with an average level of *EngagementSurvey*?
    f. What percentage of variance in *Absences* is explained by *EngagementSurvey*?

3. Run a simple regression analysis in which you predict *PerfScoreID* from *Department*. Provide a summary of this analysis like what you would find in a journal article. Be sure to provide a table of results, a plot of the regression line, AND a written summary of the results in your response.

    a. Is the regression weight statistically significant?
    b. What is the regression equation?
    c. Provide an interpretation of the slope in terms of the variables involved.
    d. Interpret the y-intercept.
    e. What is the predicted *PerfScoreID* for someone from each of the Departments?
    f. What percentage of variance in *PerfScoreID* is explained by *Department*?