MGT 9050
PROJECT 9

MULTIPLE CATEGORICAL PREDICTORS

1. Run a 2x2 analysis of variance (ANOVA) in which *PerfScoreID* is the DV and *RaceDesc* and *Sex* are the IVs. Provide a summary of this analysis like what you would find in a journal article. Be sure to provide a table of results AND a written summary of the results in your response.

Dummy code the *RaceDesc* variable so that "White" is the reference group.

2. Run a regression analysis in which you test the *RaceDesc* x *Sex* interaction in predicting *PerfScoreID*. Provide a summary of this analysis like what you would find in a journal article. Be sure to provide a table of results AND a written summary of the results in your response.

3. Compare the results from the ANOVA and regression analyses. What are the similarities and differences. Do you draw the same conclusions from these analyses? Why or why not?

For the *RecruitmentSource* variable in subsequent analyses, you should only use cases for sources that have at least 10 observations.

4. Run a 2x2 analysis of variance (ANOVA) in which *PerfScoreID* is the DV and *RecruitmentSource* and *Sex* are the IVs. Provide a summary of this analysis like what you would find in a journal article. Be sure to provide a table of results AND a written summary of the results in your response.

Dummy code the *RecruitmentSource* variable so that "LinkedIn" is the reference group.

5. Run a regression analysis in which you test *RecruitmentSource x Sex* interaction in predicting *PerfScoreID*. Provide a summary of this analysis like what you would find in a journal article. Be sure to provide a table of results AND a written summary of the results in your response.

6. Compare the results from the ANOVA and regression analyses. What are the similarities and differences. Do you draw the same conclusions from these analyses? Why or why not?