

Exercise 7 Nominal data.

These exercises have been prepared for use in conjunction with Chapter 7 of the 4th edition of “SPSS for Psychologists” by Brace, Kemp and Snelgar (2009)

This exercise uses the data file **Employee data.sav** which we corrected as part of Exercise 5. Load the corrected file now.

1. You have been asked to investigate claims of discrimination within this organization. Your first task is to determine whether there is any evidence of a relationship between minority status (whether or not the employee is a member of an ethnic minority) and Employment status. Produce a contingency table for these two variables to show observed and expected frequencies and row and column percentages. Use these values to write a short paragraph explaining what this analysis tells us.
2. Use a Chi-square test to determine whether there is a significant relationship between these two variables. Report the result of this analysis.
3. Recode Employment status so that the Custodial and Managerial categories are collapsed together into one “Senior” category, and then repeat the Chi-square analysis.
4. In the absence of other information, do the results of these analyses support the claim of discrimination?
5. It has been claimed that women are less likely to hold senior positions within the company than men. Describe the analysis you would undertake to investigate this claim.
6. Report the results of this analysis. Is there any evidence of sexual discrimination?