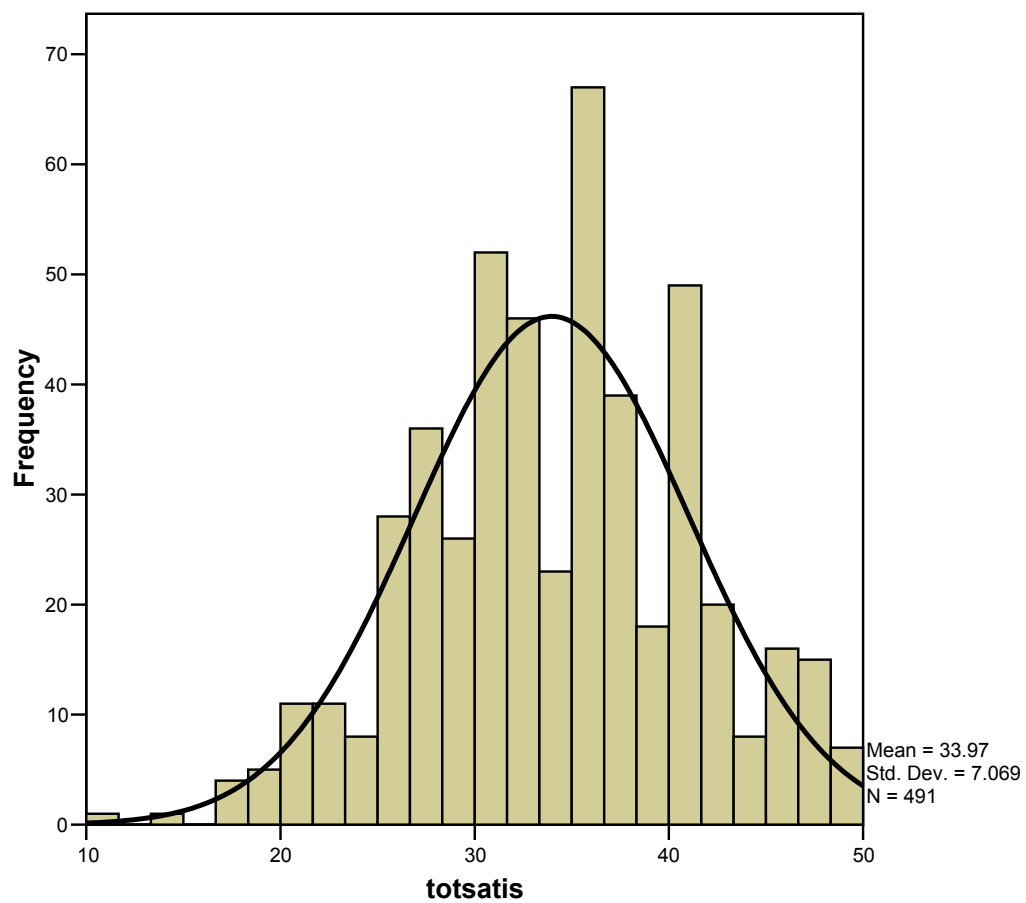


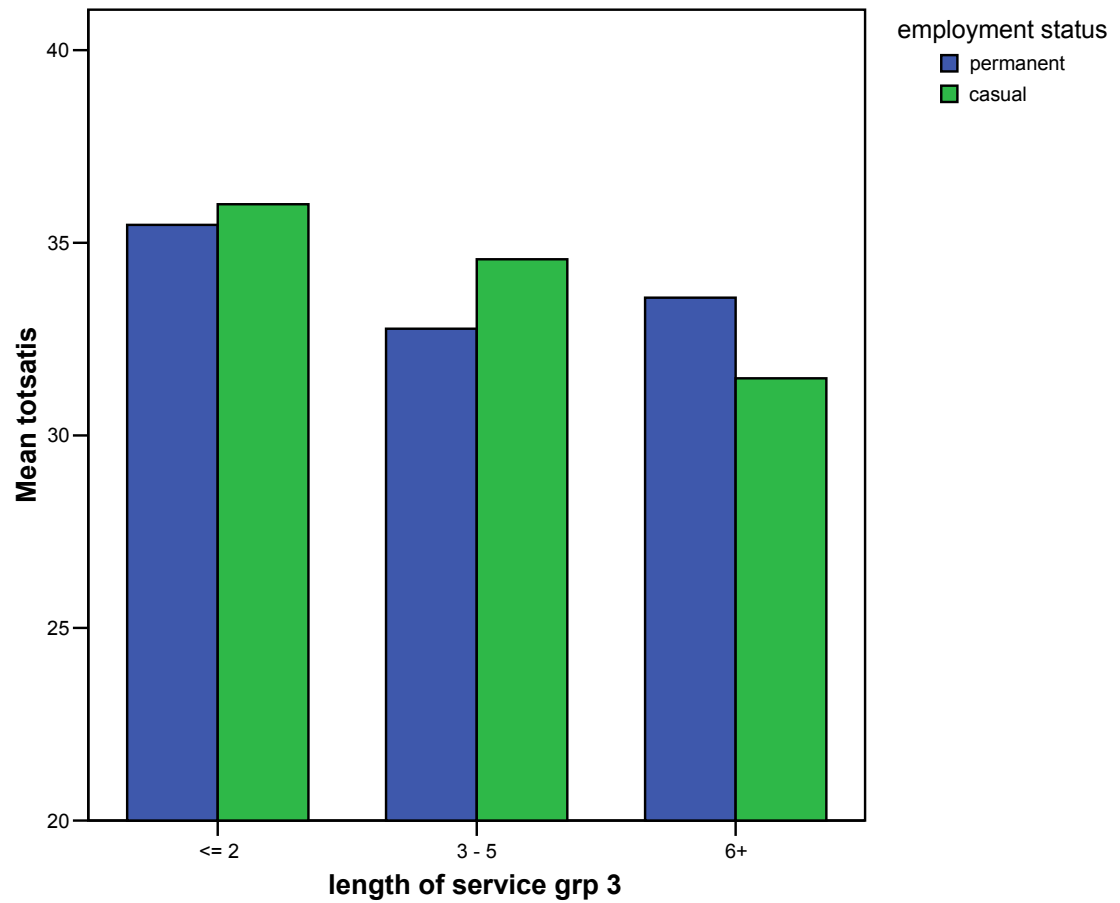
Answers to additional business exercises

Chapter 7 Graphs

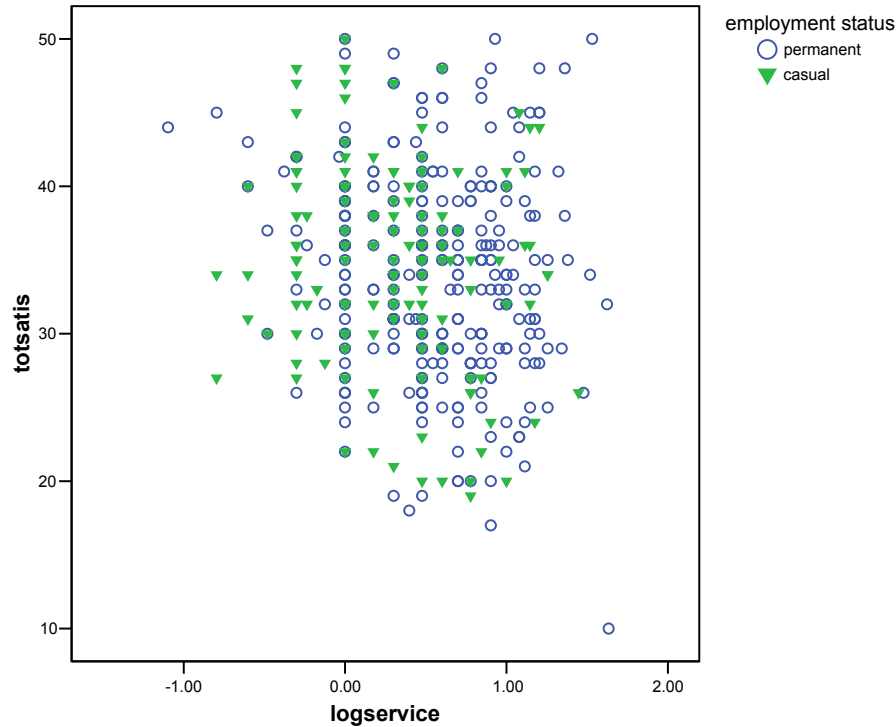
Q1 Generate a **histogram** to explore the distribution of scores on the Staff Satisfaction Scale (*totsatis*).



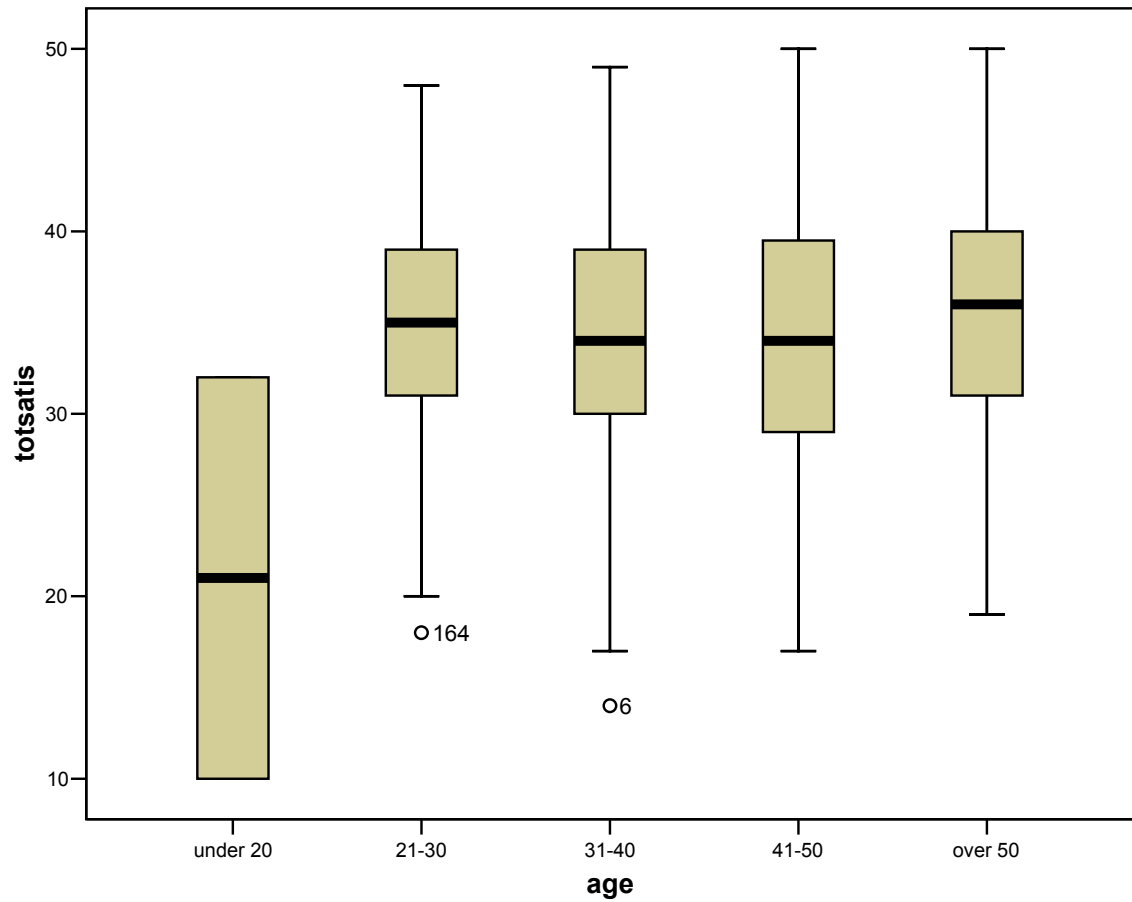
Q2 Generate a **bar graph** to assess the staff satisfaction levels for permanent vs casual staff employed for less than or equal to 2yrs, 3 to 5yrs and 6 or more years. The variables you will need are *totsatis*, *employstatus*, and *servicegp3*.



Q3 Generate a **scatterplot** to explore the relationship between years of service and staff satisfaction. First try it using the *service* variable (which is very skewed) and then try it again with the variable towards the bottom of the list of variables (*logservice*). This new variable is a mathematical transformation ($\log 10$) of the original variable (*service*) designed to adjust for the severe skewness. This procedure is covered in Chapter 8 Manipulating the data.



Q4 Generate a **boxplot** to explore the distribution of scores on the staff satisfaction scale (*totsatis*) for the different age groups (*age*).



Q5 Generate a **line graph** to compare staff satisfaction for the different age groups (use the *agerecode* variable) for permanent and casual staff.

