Assignment #1: Descriptive data analysis report

Overview　　For this assignment, you will write a brief report giving descriptive analysis on two data distributions, one categorical and one quantitative. Goals for this assignment are

- to use the tools we have developed for describing data distributions

- to use computing technology to work with a large data set

- to prepare a carefully designed and well written report

For this assignment, you will use the data set "WORKERS" that comes with the text. This data set is described in the Data Appendix starting on pg. D-8. The data set itself is available as a *Minitab* worksheet in the file WORKERS.MTW within the folder appendix in the textbook data folder.

Specific requirements　　Submit a one to two page report by Thursday, February 18. Your report should include

- an introductory paragraph giving a brief description of the data set and the context from which it comes

- a paragraph, with related table(s) and/or plot(s), describing the distribution of the variable EDUC for this data set.

- a paragraph, with related table(s) and/or plot(s), describing the distribution of the variable EARN for this data set.

- a concluding paragraph with some interpretation of the data for these two variables (or, as an alternative, a brief paragraph for each of the two variables)

Your paper should be written with the following requirements:

- Use standard letter paper with reasonable margins and a reasonable font size (11 or 12 pt). Printing double-sided is fine.

- Use double or one-and-a-half line spacing to allow room for me to write comments.

- Label each table and figure (Table 1, Table 2, Figure 1, etc.) and give a reference in the text to each one (e.g. "...as shown in Table 2.").

- For tables and figures, either put all of them after the text or insert them in relevant places within the text. Tables and figures within the text should be placed between paragraphs rather than within paragraphs. Each table or figure within the text should be placed after the paragraph in which it is first referenced.