SPSS Project 1

We use the data set NCBIRTH800 referred to on page 62 of the text. Choose one of the variables MAGE, WEEKS, GAINED, TOUNCES, or TGRAMS, and find the statistics asked for in numbers 1, 2, 4, and 7.

Your second task is to write a professional description of your chosen data and to interpret it as thoroughly, yet as concisely as possible. Think of your Biology professors as your intended audience. In such a description you would include information regarding the data source. The items of output you choose to include should add to your description and interpretation. You will be evaluated on your correctness in using and interpreting any SPSS output, and overall presentation (i.e., is it a good data story).

Finally, do numbers 5 and 6.

SPSS Project 2

We use the data set salary.

Did a bank discriminatorily pay higher starting salaries to men than to women? The data in salary are the beginning salaries for all 32 male and 61 female skilled, entry-level clerical employees hired by the bank between 1969 and 1977. The mean male salary is $5957 and the mean female salary is $5139.

First create side-by-side boxplots. Then, using this along with the raw data, discuss whether there is sufficient evidence to support a charge of discrimination. Then, assuming there was no discrimination, what are other possible explanations for the disparity?