**Statistical Procedures**:

Open the survey.sav file. Complete the procedures in Chapters 7, 8, and 9 for describing data using graphs, manipulating the data, and checking the reliability of a scale. Skip the procedures for "Transforming Variables" in Chapter 8.

**Additional Exercises:**

Additional exercises will require you to use the procedures you have practiced from chapters 6, 8, and 9.

In Pallant (2020) complete Chapter 8, Health Questions 1-3 and Chapter 9, Health Question 1.

All additional exercises require a written analysis that should be included at the end of your word/RTF file. When available utilize templates for presenting statistics “Presenting the Results” boxes found in Pallant (2020).

For credit to be given, all SPSS output from chapter procedures and additional exercises must be exported and included in the word document.

**Saving/Submitting**:

Save both your statistical procedures and additional exercise analyses in one output file and export it to a Word/RTF file. Name the Word document YourName\_A2.

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| --- | --- | --- | --- | --- | --- |
| **Assignment 2 Rubric** | | | | | |
| **Evaluation Criteria** | **20 points** | **17 points** | **15 points** | **0 points** | **Total Points** |
| **Ch. 7 Graphs:**   * Histograms * Bar Graphs, * Line Graphs * Scatterplots * Boxplots | All required graphs are correctly displayed  SPSS output for the graphs is submitted in word format | All required graphs are displayed, but the graphs have 1-2 errors  SPSS output for the graphs is submitted in word format | All required graphs are displayed, but the graphs have 3-4 errors  SPSS output for the graphs is submitted in word format | All required graphs are not displayed or the displayed graphs have more than 4 errors or the SPSS output for the graphs is not submitted or the assignment is not submitted in word format | **/20** |
| **Ch.8 Manipulating Data:**   * Calculating total scores * Reversing negatively worded items * Collapsing Continuous Variable   Collapsing the number of categories of a categorical variable    ·         Using automatic ecode to convert text to numeric values  ·         Calculating using dates | All procedures for manipulating data are correct  SPSS output for the procedures for manipulating data is submitted in word format | Procedures for manipulating data have 1-2 errors  SPSS output for the procedures for manipulating data is submitted in word format | Procedures for manipulating data have 3-4 errors  SPSS output for the procedures for manipulating data is submitted in word format | Procedures for manipulating data have more than 4 errors or the SPSS output for the procedures for manipulating data is not submitted or the assignment is not submitted in word format | **/20** |
| **Ch. 9 Reliability** | Procedure for testing for reliability is correct.  The SPSS output for the testing of reliability is submitted in word format | Procedure for testing for reliability have 1-2 errors  The SPSS output for the testing of reliability is submitted in word format | Procedure for testing for reliability has 3-4 errors  The SPSS output for the testing of reliability is submitted in word format | Procedures for testing for reliability has more than 4 errors or the SPSS output for the testing of reliability is not submitted or the assignment is not submitted in word format | **/20** |
| **Evaluation Criteria** | **40 points** | **35 points** | **30 points** | **0 points** |  |
| **Additional Exercises:**  ·         Total score for Sleepiness and Associated Sensations Scale  ·         Conduct descriptive statistics for Sleeptot and totSAS  ·         Min and Max of Sleeptot  ·         Reliability of Sleepiness and Associated Sensations Scale | Appropriate statistical techniques are used, statistical results are correct and analysis is written in APA format  SPSS output for the additional exercises is submitted in word format | Appropriate statistical techniques are used, but there are1-2 errors in the statistical results or in the APA formatted analysis. Cronbach’s alpha is correct.  SPSS output for the additional exercises is submitted in word format | Appropriate statistical techniques are used, but there are 3-4 errors in the statistical results or in the APA formatted analysis. Cronbach’s alpha is correct.  SPSS output for the additional exercises is submitted in word format | Incorrect statistical techniques were used or the Cronbach’s alpha is incorrect or there are more than 4 errors in the statistical results or APA formatted analysis or SPSS output for the additional exercises are not submitted or the assignment is not submitted in word format | **/40** |
| Total | | | | |  |