SOW 6435

SINGLE SYSTEM DESIGN INSTRUCTIONS

You are to conduct a single system design with a client. Collect 1-2 weeks of baseline data on the client’s identified problem. Then implement your planned intervention to address the problem. Collect 3-4 weeks of data during the intervention phase.

Describe your work in a paper addressing the following topics. Please use the attached template to organize your paper. Concisely answer each question within each subheading. Each item below is worth 4 points. Grammar, spelling, and writing style is worth 4 points.

**I. INTRODUCTION**

A. CLIENT PROBLEM

1. Clearly describe your client’s problem in measurable terms.

2. Write the concrete, specific, measurable objective that you and the client intend to achieve. This is to be one sentence that describes the amount of improvement the client will experience in the problem, by when.

3. Describe how you involved the client in the process of mutuality in conducting this single system design. Be specific. Describe the how the client was actively engaged and what the client’s reactions were to the process.

**II. METHODS**

A. MEASUREMENT

1. State which data collection method you used (observation, individualized rating scale, or standardized scale).

2. Describe your data collection method (exactly what does it measure and how?)

3. Explain why you decided to use this data collection method.

4. Describe who collected the data and how often.

5. Describe the validity and reliability of your measurement method. If you used a standardized scale, describe the published information regarding its validity and reliability. If you used an individualized rating scale or observation, describe its face validity.

6. Describe the procedures you used to increase the reliability of the measurement.

B. INTERVENTION

1. Describe your intervention. Be concrete and specific; give examples of actual intervention activities.

2. Attach samples of your client and worker checklists.

3. State whether any changes to the intervention plan occurred. If yes, describe.

**III. RESULTS**

A. ACHIEVEMENT OF OBJECTIVE

1. State whether the objective was achieved.

B. VISUAL ANALYSIS

1. Attach a graph showing visual analysis of the data.

2. Identify the corresponding graph from Figure 20.5 of the text by number, letter a-i, and letter X, Y, or Z. For example: 1(a)X.

3. Identify the pattern from the description beneath the corresponding graph in Figure 20.5. For example: Improvement.

C. STATISTICAL ANALYSIS

1. Compute the baseline and intervention means, the baseline standard deviation, and the effect size.

2. Interpret the meaning of the effect size (i.e., small, medium, or large improvement or deterioration).

D. CLINICAL/SUBSTANTIVE/PRACTICAL SIGNIFICANCE

1. Describe the clinical/substantive/practical significance of the results (in other words, the client satisfaction).

**IV. DISCUSSION**

A. INTERNAL VALIDITY

1. Describe whether history was a threat. If yes, describe why; if not, describe why not.

2. Describe whether instrumentation was a threat. If yes, describe why; if not, describe why not.

3. Based on the above assessment of threats, state whether internal validity was medium or low.

4. Describe what the internal validity of your design means in terms of attributing the change in the problem to the intervention (in other words, is the change in the problem probably due to your intervention or are there other factors that might account for the change in the problem?)

**V. CONLUSION**

1. Describe what you learned in this course and how you do or do not see yourself using it in your future practice.