Assignment 2

PAI 721: Introduction to Statistics

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Instructions

Answer all questions. Please upload your assignment to **Blackboard** as a PDF.

For questions 1–5, please consider the following dataset.

Dataset

Name	Salary	Years Experience	Job Description	Education Level
Jane	$45,000	1	Teacher	College Degree
Sam	$68,000	3	Analyst	College Degree
Edwin	$92,000	5	Police	High School
Shareefa	$140,000	20	Manager	Graduate Degree
Dwight	$72,000	12	Nurse	College Degree
Jiang	$68,000	9	Teacher	College Degree
LeBron	$48,000,000	21	Athlete	High School

Questions

1. What is the unit of analysis (the cases) in this table?

2. Identify the level of measurement of each variable.

3. What is the mean, median, and mode of the salary data in this table?

- You may use Stata or a hand calculator to answer this problem, but you must show your work or code in your answer.

4. Do you think the mean, median, or mode is the best estimate of central tendency for salary? Why?

5. What measures of central tendency are possible to use for each variable in this dataset? Why?