Unit 8 Math Liberal Arts Project – Rubric

Total Points: 100

Criteria	Excellent	Proficient	Developing	Needs Improvement
Completion of All Questions (20 points)	20 pts: All questions (1–4 and subparts) are fully answered.	15 pts: 1–2 subparts are incomplete or missing.	10 pts: 3–4 subparts are incomplete or missing.	5 pts: More than 4 subparts are incomplete.
Accuracy of Answers (30 points)	30 pts: All answers are correct and demonstrate strong understanding of statistical concepts.	25 pts: Most answers are correct with only minor mistakes.	15 pts: Several incorrect answers showing partial understanding.	5 pts: Many incorrect answers with major misconceptions.
Calculations and Work Shown (20 points)	20 pts: All steps, calculations, and reasoning are shown clearly and accurately.	15 pts: Most calculations are shown but with minor gaps or errors.	10 pts: Some problems lack clear steps or contain incorrect calculations.	5 pts: Minimal attempt at showing work; steps are unclear or incomplete.
Application of Statistical Concepts (20 points)	20 pts: Correct application of statistical concepts such as random sampling, z-scores, percentiles, and data visualization.	15 pts: Most statistical concepts are applied correctly with a few minor errors.	10 pts: Partial understanding with multiple errors in concept application.	5 pts: Most concepts are incorrectly applied or incomplete.
Presentation and Formatting (10 points)	10 pts: Work is neat, logically organized, and submitted as instructed (Word or PDF).	8 pts: Minor formatting or organizational issues.	5 pts: Several formatting issues but still readable.	2 pts: Work is poorly organized or hard to follow.