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Lab #11

Mike Nelson

Chart

Description automatically generated with medium confidenceQ1:

Q2: As dispersion increases there is more uncertainty in the mean values.

Chart, scatter chart

Description automatically generated

Q3:

Q4: The sample size becomes larger, and the dispersion becomes more squeezed. This causes the statistical power to decrease. The power to the left of the graph is greater and is smaller on the right.

Chart

Description automatically generatedQ5:

Q6: I could use this information when designing an experiment because it would give me a more complete picture and show how all variables interact.