

Question #75116, Math / Statistics and Probability

Twelve different video games showing alcohol use were observed. The duration times of alcohol use were recorded, with the times (seconds) listed below. What requirements must be satisfied to test the claim that the sample is from a population with a mean greater than 90 sec? Are the requirements all satisfied?

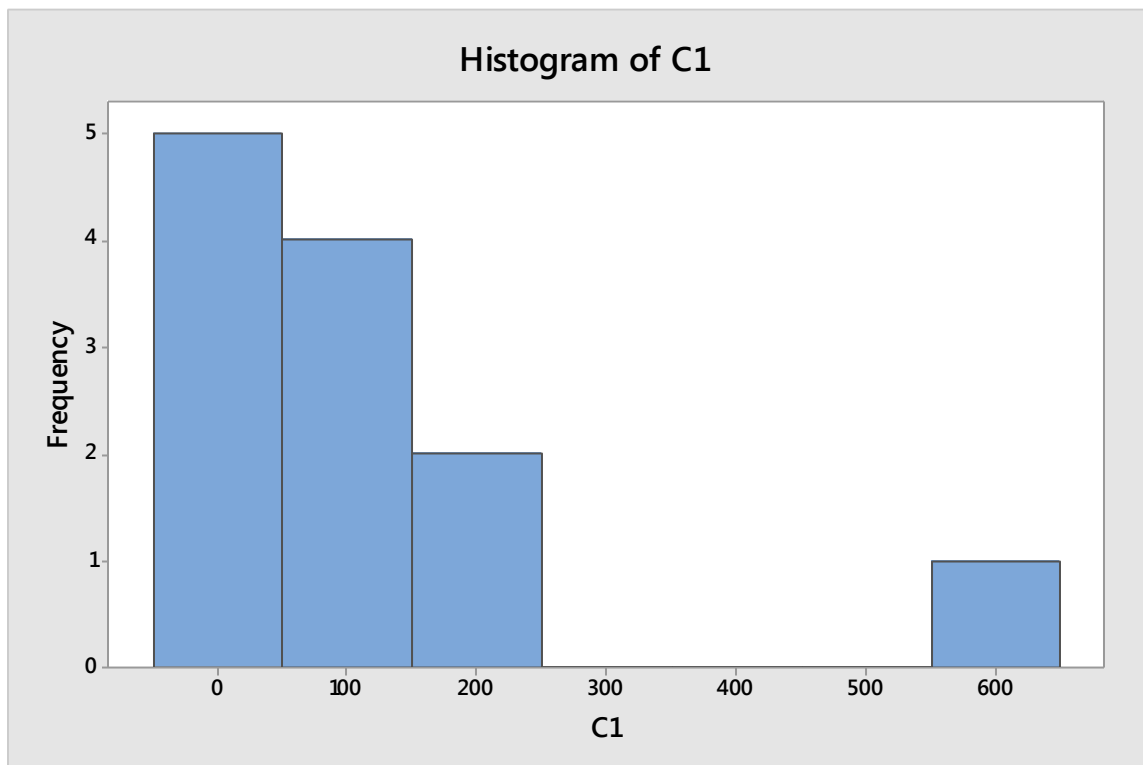
84, 14, 583, 50, 0, 57, 207, 43, 178, 0, 2, 57

Answer.

We believe that the sample is a simple random sample.

We do not know whether the sample is from the normally distributed population and the sample size (12) is not greater than 30.

The shape of the distribution is right skewed, so the assumption of normality does not meet.



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