

Answer on Question #46482 – Math - Statistics and Probability

An agency wants to study some nutritional deficiency in a village.
To do that 170 boys from 8502 boys in a village showed that 21 had some nutritional deficiency.
Identify the population and parameter in this situation.
Estimate the parameter mean and standard error of the estimate

Solution:

Standard Error = Standard Deviation/square root of population size

$$\text{Standard Error} = 21/\sqrt{8502} = 0.2277$$

$$\text{Mean} = (21/170) * 8502 = 1050$$