Answer on Question #51155 – Math – Statistics and Probability

Problem

16.24 College degrees. At the Statistics Canada Web site, www.statcan.gc.ca, you can find the percent of adults in each province or territory who have at least a university certificate, diploma, or degree at bachelor's level or above. It makes no sense to find for these data and use it to get a confidence interval for the mean percent μ in all 13 provinces or territories. Why not?

Solution

We use confidence interval for the mean to estimate interval for the mean by means of the sample. The percent of adults in each province or territory who have at least a university certificate, diploma, or degree at bachelor's level or above is already known, so there is no need to estimate it.