Answer on Question #55359 – Math – Statistics and Probability

A company packaging snack food maintains quality control by randomly selecting 10 cases from each days production and weighing the bags. Then they open one bag from each case and inspect the contents

a) population

b) parameter

c) sampling frame

d) sample

e) method

f) left out

g) bias

Solution

a) population—snack food bags;

b) parameter—weight of bags, proportion passing inspection;

c) sampling frame—all bags produced each day;

d) sample—bags in 10 randomly selected cases, 1 bag from each case for inspection;

e) method—multistage sampling;

f) left out—none;

g) bias—should be unbiased.