

Math 18 - HW #1

OpenStax 1.1

population: all of the children

43.) taking ski and snow
boarding lessons.

a.) Sample: a group of the
children taking ski and
snow boarding lessons.

Statistic, parameter: the population mean
age of all children when
they take their 1st ski and
mean snow boarding lessons.

age: Variable; the age of one
of 11 children.

Data: Values for X

44.) a.) All of the patients who have had
heart attacks.

b.) A group of 11.

c.) The population mean recovery period.

d.) The sample mean recovery period.

e.) X = the recovery period of one patient

f.) Values for X

47) a.) All of the counsellors clients.

b.) A group of 11.

c.) The proportion of all " who stayed married.

d.) The proportion of a group of " who stayed married.

e.) The list of yes or no answers.

f.) The answers.

50.) d.

51.) a.

52.) c.

Kozak

Pg. 6

1.) Population: All Arizona workers 16 and older.

Sample: Random group of 500 ".

Parameter: Prop. of all " who use different modes.

Statistic: Prop. of 500 " who use diff.

Variable: The list of different modes.

9.) Population: All males in the US
with an income.

Sample: A random group of 2500
males in the US with
an income.

Parameter: median income of all
males.

Statistic: median income of
a 2500 males.

Variable: income of one
male.

9.) P

Pg.22

3.) I would say that the
variable is not coffee, rather
it is the amount of sleep
the drinker is choosing
to get. High amounts of
caffeine can lead to heart
problem among other health issues.

4.) Rise in ice cream sales
Does not affect polio.

8.) Since many people in the
U.S. do not have landlines,
this poll would not give
accurate results.

10.) I do not know
enough about the drug.