

Homework 1

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MATH 2265-01

1. A) The variable is the mpg for all cars. It consists of cars mpg

B) The variable is the quantitative. It is a numerical measurement for which operations such as average 21.1 mpg makes sense.

C) The implied population is all the new cars

2. A) Observational study

b) Experiment

C) Observational study

d) Experiment

3) A) Stratified sample

B) Simple Random sample

C) Cluster sample

d) Systematic sample

e) Convenience sample