

POPULATION VS SAMPLE

POPULATION VS SAMPLE



Collection of all
items of interest
to our study

N

Parameters

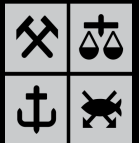


A subset of the
population

n

Statistics

Population

 μ 

Population

 μ

Sample

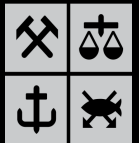
NHH
TECH3



Population

 μ

Sample



Population

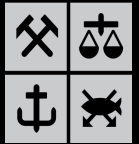
μ



Sample

\bar{y}

NHH
TECH3

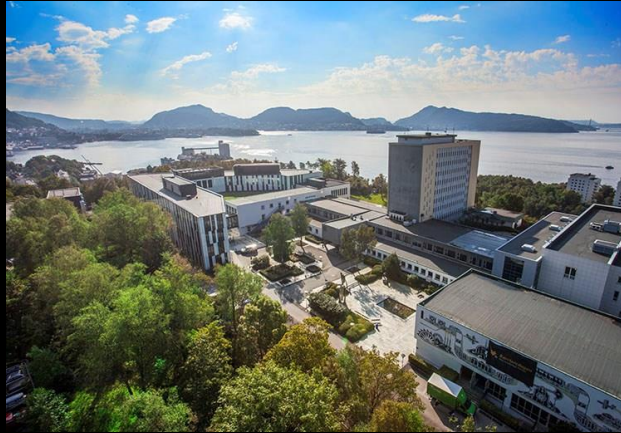


REPRESENTATIVE SAMPLE

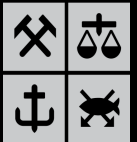
A subset of the population that reflects the characteristics, proportions, and diversity of the entire population.

- Proportionality
- Random selection
- Adequate size

POPULATIONS



NHH
TECH3

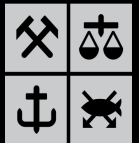


How popular is the student canteen among NHH students?

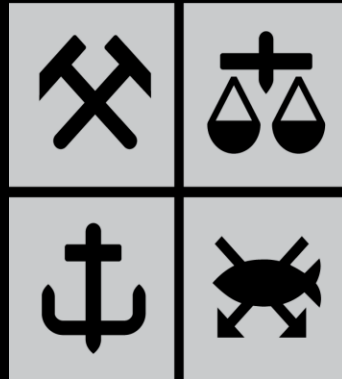
- Sampling bias



NHH
TECH3



NHH TECH3



Sondre Hølleland
Geir Drage Berentsen