

Real World

Random
Sampling

Data

Population $P \longrightarrow Z = (z_1, z_2, \dots, z_n)$

Estimate $f(Z)$

Bootstrap World

Random
Sampling

Bootstrap
dataset

Estimated Population $\hat{P} \longrightarrow Z^* = (z_1^*, z_2^*, \dots, z_n^*)$

Bootstrap
Estimate $f(Z^*)$