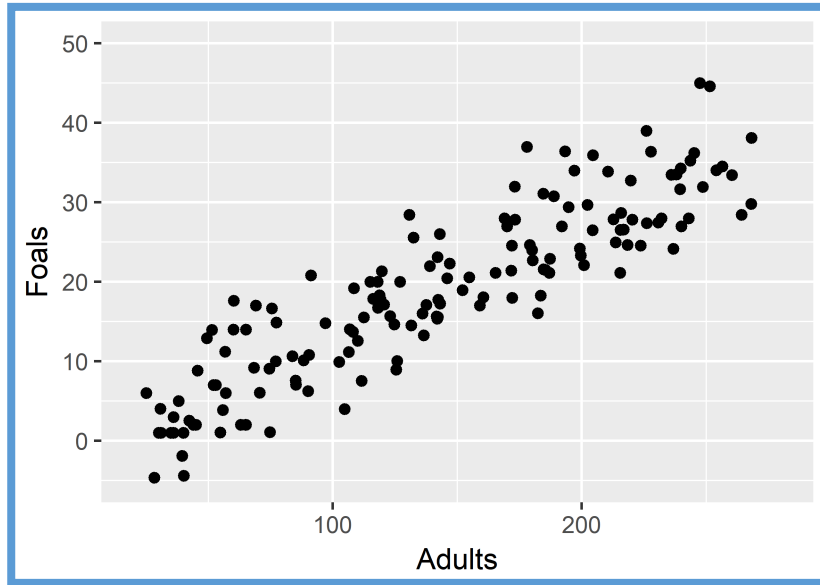


Population

All herds of horses in the world

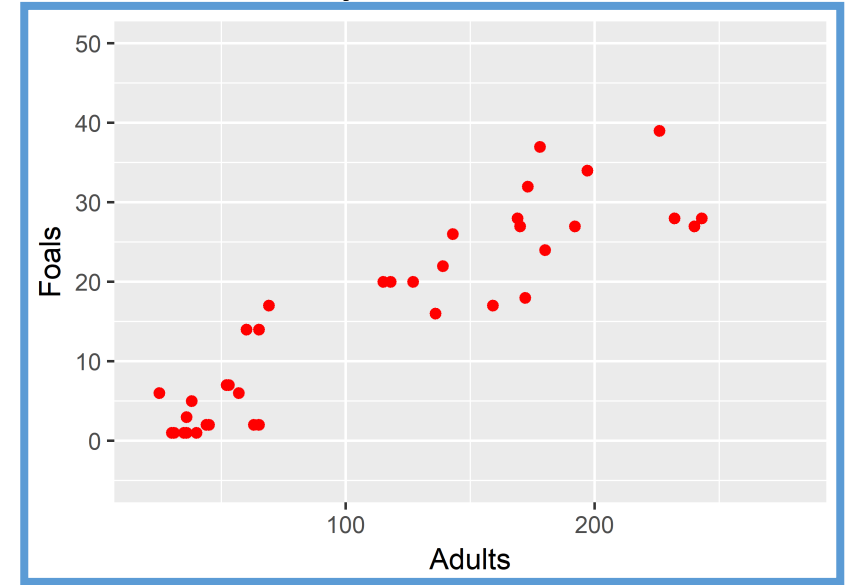


Take Sample

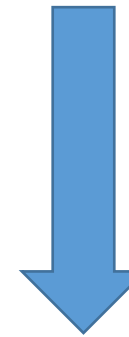


Sample

A few randomly selected horse herds



Calculate
Sample
Statistic



Our Goal: Estimate the
Population Parameters

β_0 : population intercept
 β_1 : population slope

Inference



$\hat{\beta}_0$: sample intercept
 $\hat{\beta}_1$: sample slope