

**In Class Sample Exercise:**

Each group will be assigned a research project. Please develop a preliminary research design considering mode and sample. You are expected to design a scientific sample. (This means, for purposes of this assignment, that this is not a convenience or volunteer sample). Don't worry too much about budget. A foundation is willing to support this project. You should use reasonable care to design a cost-effective survey, but can spend as much as is reasonable.

**Questions You Might Think About:**

What survey mode or modes would you use for this study?

How would you sample this population?

What lists or sets of procedures would you use for your sample frame?

Would you use any type of cluster sample? Would you sample in a single stage, two stages, or something else?

Would you be worried about coverage? Incidence? Multiplicities?

How would you sample from this list? Would you use a simple random sample, a systematic sample, or something else?

How would you stratify this sample?

Would you implicitly stratify the sample?

**Survey Populations and Topics (These are assigned by the instructor):**

**(1) Minor League Hockey and Steroids**

You would like to survey minor league hockey players to learn whether they use performance enhancing drugs.

**(2) NCAA Division I Female College Athletes**

You would like to interview women who play NCAA Division I sports and determine whether they plan careers in public service?

**(3) Red Sox Fans**

You want to understand whether people who attend Boston Red Sox games enjoy their experience at Fenway Park.

**(4) Cancer Diagnosis and Health Care Costs**

You would like to interview people who have been diagnosed with Cancer, and understand whether cost concerns have prevented them from receiving treatment.

**(5) Doctors and Opioids**

You want survey medical doctors and understand who they think is responsible for opioid overdoses.

**(6) Democratic Primary Donors and Candidate Choices**

You would like to interview people who have made small (less than \$200) donations to candidates in the Democratic primary. You would like to understand how likely they will be to make additional donations in the event their candidate does not continue in the race

**(7) Early New Hampshire Political Supporters.**

You want to study people who attend campaign rallies and political speeches for Democratic candidates in the New Hampshire Presidential Primaries. You are interested in understanding what motivates them to attend the rallies.

**(8) Obama-Trump Supporters**

You want to identify voters who voted for Barak Obama in 2012 and who voted for Donald Trump in 2016. You want to understand their voting plans in 2020.

**(9) People Who Buy and Sell Goods at Flea Markets**

You would like to design a study of people who buy and sell goods at flea markets. You want to understand how they set prices.

**(10) Jazz Musicians**

You want to study people who play Jazz music professionally or semi-professionally and understand how they support themselves financially.

**(11) Undocumented Immigrant Labor Experiences**

You would like to study undocumented immigrants to the US and understand whether their employers pay them according to US labor law pertaining to overtime wages.