

According to the article “Six in 10 in U.S. Satisfied With Position of Women\” found at <https://news.gallup.com/poll/390146/six-satisfied-position-women.aspx>, approximately 60% of Americans “are satisfied with the position of women in the U.S., which is similar to what Gallup has found over the past four years but well below the average of 71% from 2001 through 2008.” The results were based on interviews done with 811 randomly selected American adults, conducted January 3-16, 2022. The overall margin of error is  $\pm 4$  percentage points.

a. What is the population of interest?

b. What is the sample?

c. Is the variable “whether an adult is satisfied with the position of women in the U.S.” categorical or quantitative?

Categorical

Quantitative

d. Is 60% a parameter or a statistic?

Parameter

Statistic

e. What is the measure of uncertainty?

f. Is this an observational study or an experiment?

Observational study

Experiment

g. Can we generalize these results? Why or why not?