

**Practice. Cats on YouTube (Problem 1.10).**

Suppose you want to estimate the percentage of videos on YouTube that are cat videos. It is impossible for you to watch all videos on YouTube so you use a random video picker to select 100 videos for you. You find that 2% of these videos are cat videos. Determine which of the following is the case, variable, sample statistic and population parameter.

- or subject*
- a. Percentage of all videos on YouTube that are cat videos — *population parameter*
  - b. 2% — *sample statistic*
  - c. A video in your sample — *cases or subjects*
  - d. Whether or not a video is a cat video — *what we're measuring variable*