

B2

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Activity 1.2.1

- a. The population is the Berkeley undergraduates. The study is aiming for all people, but being a college, the pool of samples will not represent the entire population, and college students will probably be of higher social status than average.
- b. The sample is the 129 chosen students.

Activity 1.2.2

- a. The population is all births in Southern California.
- b. The sample is all births in Southern California between 1989 and 1993.

Activity 1.2.4

1. It is easy, and reasonably accurate to the entire population, but it might be skewed by the nature of random chance.
2. It is convenient and easy, but this will be severely skewed towards students who need help.
3. This will be skewed, especially among freshmen who may be nervous about math. This would be fairly convenient, especially if you are a Math major.
4. This will be skewed as seniors do not represent the whole population.
5. This would best represent the entire population, but would be difficult to set up.
6. This will be skewed as different classes are more stressful, but this is convenient.

Activity 1.2.5

1. Stratified Random Sampling
2. Cluster Sampling
3. Stratified Random Sampling
4. Multi-Stage Sampling
5. Random Sampling
6. Convenience Sampling