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# Probability and Statistics for Engineering and the Sciences | (8th Edition)

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Chapter 1, Problem 1e

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### Problem

Give one possible sample of size 4 from each of the following populations:

- All daily newspapers published in the United States
- All companies listed on the New York Stock Exchange
- All students at your college or university
- All grade point averages of students at your college or university

### Step-by-step solution

#### Step 1 of 4

(a)

First state the population and then select the sample size of 4 from the population.

Here, the population is all daily newspapers published in the United States.

A random sample of four daily newspapers published in United States is,

- The wall street Journal
- The New York times
- Tampa Bay times.
- Boston Globe.

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#### Step 2 of 4

(b)

First state the population and then select the sample size of 4 from the population.

Here, the population is 'All companies listed on the New York Stock Exchange.'

A random sample of four listed companies from New York Stock Exchange is,

- 3D systems Corp
- A O Smith Corp
- ABM Industries Inc.



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### Step 3 of 4

(c)

First state the population and then select the sample size of 4 from the population.

Here, the population is 'All students at your college or university' understudy.

The following are the four names taken as sample from the local university.

1. Henry O Connor.
2. Helina D
3. Gabriel S
4. Yu Ahn

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### Step 4 of 4

(d)

First state the population and then select the sample size of 4 from the population.

Here, the population is 'All grade point averages of student at your college or university'.

The following are the sample of four student's grade point averages.

2.52, 3.43, 2.89, and 2.00

[Comments \(1\)](#)

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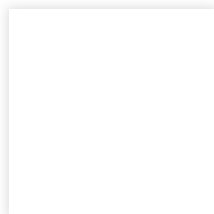
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## Recommended solutions for you in Chapter 1

### Chapter 1, Problem 20E

The article "Determination of Most Representative Subdivision" (J. of Energy Engr., 1993: 43–55) gave data on various...

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### Chapter 1, Problem 30E

A Pareto diagram is a variation of a histogram for categorical data resulting from a quality control study. Each category...

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