**Common Parameters and Statistics**

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| **Name** | **Parameter** | **Statistic** |
| Mean | ** | or |
| Standard Deviation | ** | s |
| Proportion | p |  |

1. For each of the following, identify the a) population, b) sample, c) parameter, and d) statistic. Label c) and d) with the correct notation.
   1. The US Census states that 27.5% of US adults who are at least 25 years old have a college bachelor’s degree or higher. Suppose that in a random sample of *n* = 200 US residents who are 25 or older, 58 of them have a college bachelor’s degree or higher.
   2. The standard deviation of weights of all professional NBA basketball players is 29.9 pounds. A sample of 50 professional basketball players has a standard deviation of 26.7 pounds.
   3. According to institutional data, the average size of all classes at St. Lawrence is 17.9. In a sample of 20 classes, the average size was found to be 15.8.

1. For each of the following, identify the statistic provided (with correct notation) and describe (in words) the parameter that can be estimated with the statistic.
   1. In 2017, Pew Research Center polled 3930 adults in the United States and found that 43% reported playing video games “often” on some kind of electronic device.
   2. In a sample of responses to the General Social Survey, 50 women reported working an average of 37.78 hours in the “last week”.