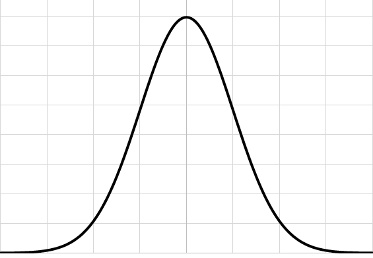
**Vocabulary: Populations and Samples**

|  |  |
| --- | --- |
| **Value** | **Frequency** |
| 1 | 3 |
| 2 | 1 |
| 3 | 1 |
| 4 | 3 |
| 5 | 2 |

dictionary2

**Vocabulary**

* Frequency distribution – a list, table, or graph that illustrates how many times each value occurs in a data set.
  + For example, the table at right shows the frequency distribution for the data set:   
    1, 1, 1, 2, 3, 4, 4, 4, 5, 5.



**Normal distribution**

* Normal distribution – a theoretical probability distribution that is bell-shaped and symmetric about its mean.
  + The normal distribution is also known as the Gaussian distribution.
  + The bell shape indicates that results near the mean are likely, while results farther from the mean are less likely (but not impossible).
* Population – an entire group of objects or individuals.
* Sample – a part of a population selected to represent the entire population.