

Normal Distribution

The normal distribution is a frequency distribution of data widely seen in nature and in astonishingly diverse disciplines. A normal distribution is characterized by a unimodal, symmetrical shape, with few observations at the extreme and successively more observations near the center. The distribution pattern looks very similar to a bell and is commonly referred to as a “bell-shaped curve.”

The existence of the normal curve has been of incredible importance in statistical inference. And its discovery has allowed the use of relatively simple and straightforward mathematics to solve many statistical problems and in statistical modeling and forecasting.