**Part VI: Chapter 6: Probabilities for Normal Distributions**

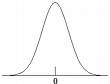
**Task 1: Open the full data set and sort by year of occurrence. Select the events occurring in the year 2000 and copy this data. Now clear the editor and paste the 2000 data back onto the editor. Sort this data by “age” and do a modified boxplot. There should be three identified outliers. Remove them from the data. Now construct a histogram and boxplot of the remaining 2000 “age” data using the “explore data” function in Statdisk. Insert those results below.**

**Describe how this histogram and boxplot fit the definition of approximately normal. Be sure to paste the results screen below. Identify the mean and standard deviation.**

**Task 2: What is the probability that if we select an incident from this data it will involve a person under 60 years of age?**





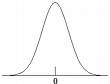


**Task 3: What is the probability that a selected incident involves a person between 10 and 16 years old?**







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**Task 4: If a group of 9 incidents are randomly selected find the probability that the mean age for the group is over 35?**





