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

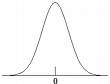
**Task 1: Construct a histogram and boxplot of the suicide rate for the countries listed in the data set using the “explore data” function in Statdisk.**

* **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 a country in the data set will have a suicide less than 10 suicides per 100,000?**





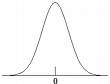


**Task 3: What is the probability that a country will have a suicide rate between 15 and 25 per 100,000?**





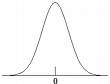


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**Task 4: If a group of 9 counties are randomly selected find the probability that the mean suicide rate per 100,000 for these countries will be greater than 10.**



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