**MAT150.5 Statistics Assignment #2**

[www.helpyourmath.com/150.5](http://www.helpyourmath.com/150.5)

1. Make a frequency distribution for the following data of inches of rainfall in Brooklyn per year, using 6 classes.

60 105 95 80 90 100 75 70 84 98 102 70

65 88 90 75 78 94 110 120 95 80 76 108

(a) Use the table to create a Frequency Table to simplify the data.

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| --- | --- | --- | --- | --- | --- |
| Inches of Rainfall per Year | | | | | |
| Classes | Class Boundaries | Frequency | Midpoint | Relative Frequency | Cumulative Frequency |
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(b) Create a histogram for the data. Include all labels.

c. Use the frequency table to estimate the mean. For this question, round your answer to the nearest **tenth, as needed**.

2. The data represent the scores of a biology class on a midterm exam.

75 85 90 80 87 71 82 88 95 91 73 80

83 92 94 71 75 91 79 95 87 76 91 85

(a) Use the table to create a Frequency Table to simplify the data, using 5 classes.

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| --- | --- | --- | --- | --- | --- |
| Scores on a midterm exam | | | | | |
| Classes | Class Boundaries | Frequency | Midpoint | Relative Frequency | Cumulative Frequency |
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(b) Create a histogram for the data. Include all labels.

(c) Use the frequency table to estimate the mean. For this question, round your answer to the nearest **tenth, as needed**.

(d) Create a stem and leaf plot of these data.