MATH 1342
Quiz 2.2

An incandescent light bulb company tests the lifespan of a random sample of a new type of bulb that they manufacture. Here are the lifespans measured to the nearest tenth of an hour.

100.2, 99.8, 100.3, 100.2, 98.9, 99.4, 100.5, 98.7, 99.3, 99.9, 99.6, 100.1, 100.6, 99.2, 98.9, 99.5, 98.7, 99.6, 99.4, 99.2, 97.9, 101.1, 100.3, 99.9, 99.4, 98.6, 100.1, 99.3, 98.3, 98.2, 100.3, 99.2, 100.7, 100.1, 98.5, 99.5, 99.9, 98.4, 99.2, 99.6, 98.3, 100.8, 100.5, 99.8, 98.6, 99.8, 100.3, 99.3, 99.2, 99.1, 97.9, 100.2, 101.2, 99.5, 99.8, 98.2, 100.4, 99.8, 98.9, 98.7

(1) Set up a Dot Plot for this data set.

(2) Create a stem-and-leaf display for this data set.

(3) Create a histogram with class intervals of length 0.4 for this data set. Use 97.6 - 98.0 and 98.1 - 98.5 for the first two class intervals.