# Ceng272 - Quiz 1

## March 2, 2011

1. (Monday Section) The following data set is given

   Table 1: Data for Quiz 1

   | 72.2 | 31.9 | 26.5 | 29.1 | 27.3 | 8.6  |
   |------|------|------|------|------|------|
   | 22.3 | 26.5 | 20.4 | 12.8 | 25.1 | 19.2 |

   (a) Calculate the sample mean.

   (b) Calculate the standard deviation.

   (c) Construct a relative frequency histogram of the data.

2. (Wednesday Section) The following data set is given

   Table 2: Data for Quiz 1

   | 55.2 | 4.1  | 58.2 | 68.1 | 89.2 | 1   |
   |------|------|------|------|------|-----|
   | 9.4  | 14.5 | 13.9 | 20.7 | 17.9 | 8.5 |

   (a) Calculate the sample median.

   (b) Calculate the variance.

   (c) Construct a relative frequency histogram of the data.