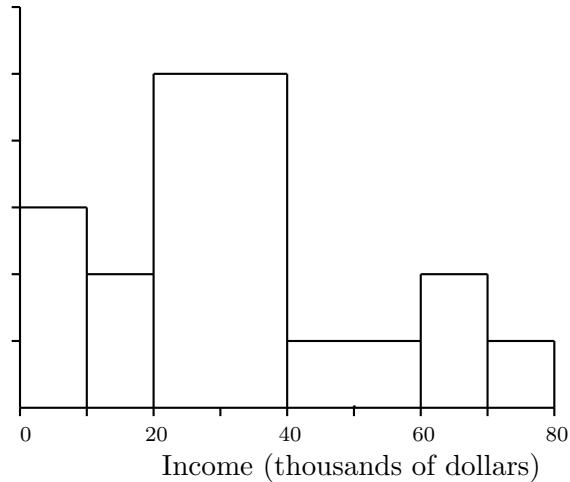


STAT 261 Winter 2007

Problem Set 2

Due Friday, January 19

1) The histogram below represents the distribution of family incomes in a hypothetical town.



a) The vertical axis uses the density scale, but the numbers and units have been left off. Fill these in.

b) What is the 75th percentile of income?

c) Is the mean income likely to be under \$30,000, over \$30,000, or equal to \$30,000? Explain your reasoning, and your assumptions.

2) Evans & Rosenthal p. 243, # 5.1.1.

3) Evans & Rosenthal p. 263, # 5.4.1.