

Project 1

Student Name: _____

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Each part is worth 25 points. Give a complete solution to receive the full credit!

1. In the year 2007 there were 182.8 million non-elderly adults aged 19 to 64 living in the U.S.A. The following table represents the structure of the health care coverage by the type of insurance for this particular age group of U.S. population ¹.

Employer-sponsored Insurance	115.16
Private Non-group	10.97
Medicaid/Other Public	20.11
Uninsured	36.56

Table 1: Non-elderly Adults

Use your favorite spreadsheet program to create the bar chart and the pie chart representation for the data in the table.

2. The cost for almost every aspect of health care in America have risen dramatically over the last 30 years. One of the central issues is the amount of dollars spent on Medicare, a federal program that provides health care for nearly all people age 65 and over. Use the table given below and your favorite spread-sheet software to plot a scatter graph of the Medicare expenses in the period 1970 to 2002.

Year	Year since 1970 n	Medicare Expenses ² $C(n)$
1970	0	7.7
1975	5	16.4
1980	10	35.0
1985	15	72.2
1990	20	109.7
1995	25	182.7
2000	30	224.4
2002	32	252.0

Decide if the correlation is linear or not.

¹The numbers are given in millions