

AP Statistics
Assignment 1.5

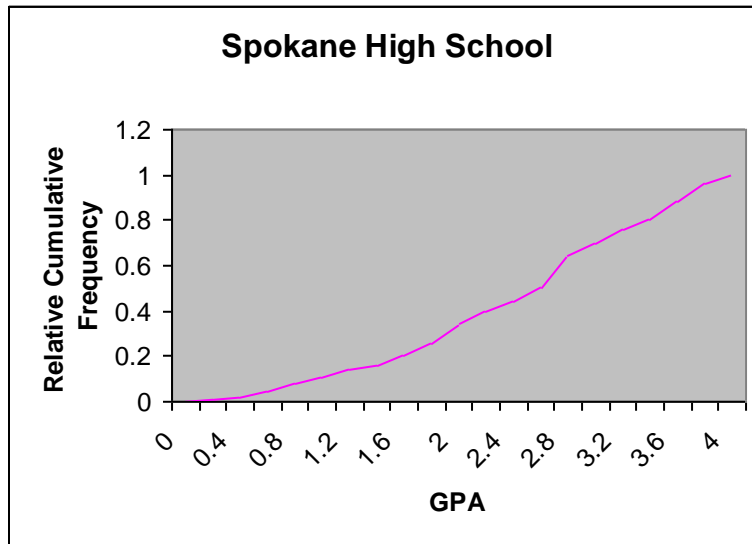
- 1) Consider the age distribution in the United States in the year 2075 (as projected by the Census Bureau).

Age Range	Millions of People
0 – 9	34.9
10 – 19	35.7
20 – 29	36.8
30 – 39	38.1
40 – 49	37.8
50 – 59	37.5
60 – 69	34.5
70 – 79	27.2
80 – 89	18.8
90 – 99	7.7
100 - 109	1.7

- a. Construct a cumulative frequency plot.

- b. Describe what information the plot communicates about the distribution of ages in our future.

2) Answer the following questions using the plot below.



a. Describe the “average” GPA for the students in this school.

b. If Ashley’s GPA is 3.5, about what percentage of students have a GPA lower than Ashley’s?

c. If you wanted to be in the top 10% of the class, about what GPA would you need to have?