

Applied Statistics HW 6

1. In a test, students receive a grade from 1 to 100. In a class consisting of about 500 students, their test scores follow an approximately normal distribution, with a mean of 76.5 and a standard deviation of 10.3.
 - a. Students who scored 95 and above would get an A. Approximately how many students would that be?
 - b. How many students approximately scored in the B range of 80 to 90?

c. What was the first quartile score?

d. The teacher will assign an F to those students that scored 60 or below. How many students approximately would that be?

- b. Provide a range of batting averages that would encompass 99.9% of all BAs.

c. A certain batter scored a 0.267. What percentile is that value?