

Panel 4
Percentiles:
A generalized form of quartiles is Percentiles
u-th percentile in # with 4% less only
(100-4) & lizzer han it
(70 0 17 335)
Ex. It your SAT woulds put you in the 95th - percentile, what does his mean?
- 04 den 2 11 10000 1 1000 100 100 100 100 100 1
95th - percentile, what does his mean?
0 1
Good news: you're in top 5%!
4

Finding the XM-Percentile

Position X.II, round up as below for quantiles

Take the number at the corresponding possible.

Ex. Suppose exam scores were: 75,67,80,90,97,92,

95,62,87,99,93,71,86.7ind 80th percentile

0.8:13=10.4 => 11th the in it: 93

Estimbing the Standard Deviation

S is a lot of any to compute.

For a symmetre, bell shaped distribution graches

G9% of data in between x-s, x+s

100% of data in between x-2s, x+2s

245 = xmgg;

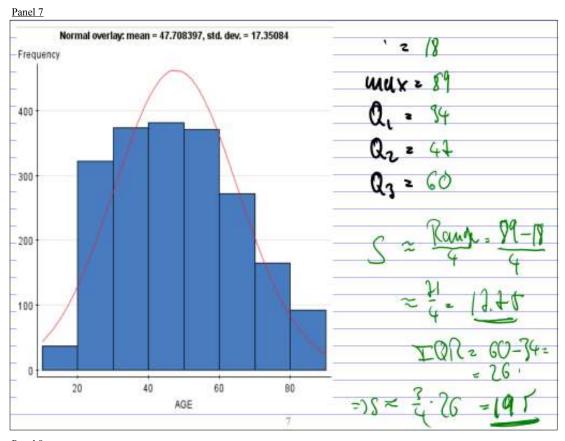
S at the second to compute.

S at 35 = xmgg;

S at the second to compute.

S at 35 = xmgg;

S at 35 = xmgg;



Panel 8	R and Slandard Deviction
¥4	distribution in shewed that impacts me an
	and sterndard der
Toe	stimate quection, use mean and adjust for
	skewhels Euler-
To e	tuck std du S= 4 IQR Rung
	Q_3 - Q_1
	8