



You may only care about one side or the other. Say you want to know how many people watch less than 1 hour of TV per day, You don't care how many watch more, you only care about the left side.

But suppose you want to know how many people are not average. Remember the mean is about 2 hours, so you want people outside the norm, more or less hours.

If testing as .05 level of significance, then the z-score is + or - 1.96.

If testing at .01 level of significance, then the z-score is + or - 2.58

If testing at .001 level of significance, then the z-score is + or - 3.30

If Mean = 100, sd = 15, the what raw scores do these z values correspond to?

$$- 1.96 (15) + 100 =$$

$$+ 1.96 (15) + 100 =$$

A result between these two doesn't matter. It isn't important or significant. A score outside either of these two is significant.