You take the SAT and scare 1100. The mean score for the SAT is 1026 and the standard deviation is 209 How well did you scare on the test compared to the average tert taker Solution'-Mean scare of SAT= H= 1026 Standard deviation of SAT = 5 = 209 My Zocare = 12-14 = 0.3541Probability (Z) = Probability(0.3541) = 0.6368Average Tart Taker Ran $Z=\frac{1026-1026}{209}=0$ · Probability (Z=0)=0'5 Hence compared to average test taker, my scare in 0'3541 standard deviation better the average lat In terms of probability my scae's (0.6368-0.5) x103/o a verage tot take