

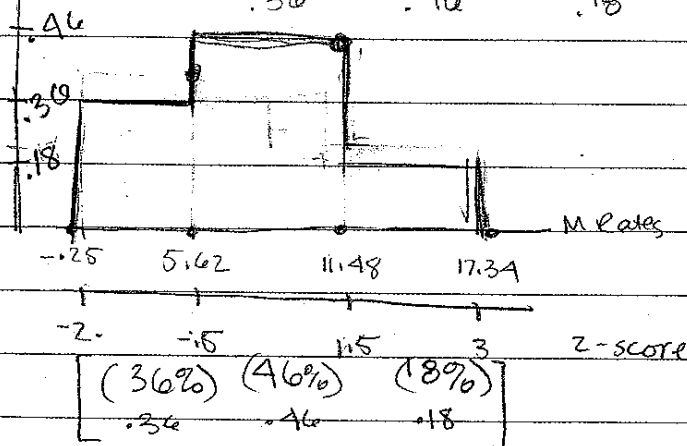
Friday July 9th - key 8 (5 & 6) / key 17 (2)

# students	starting salary	
17	20,000	mean starting salary:
25	25,000	$17(20,000) + 25(25,000) + 38(30,000)$
38	30,000	$27(35,000) + 21(40,000) + 12(45,000)$
27	35,000	$\frac{443,000}{140}$
21	40,000	$\boxed{\$31642.86}$
12	45,000	
140 T. students		

⑥  $\mu = 100$       ① z-score =  $(111 - 100) / 15 = 0.733$   
 z-score = -1.2      ② IQ score =  $100 - 1.2(15) = 82$   
 $\mu = 111$   
 standard d. = 15

② (-.25 - 5.62), (5.62 - 11.48), (11.48 - 17.34)

z-score: -2	-1.5	1.5	3	82	100
raw-score: -.25	5.62	11.48	17.34	$\frac{-36}{46}$	$\frac{-82}{18}$
% ranking: 0	36	82	100		
	.36	.46	.18		



The data is already given, so I figured out the percentage from each state that fit into each set. The histogram graph →

is a rough sketch of the percentages I found. So (0 - 36%, 46% (82 - 36), 18% (100 - 82)).