PSYC 5322: Psychometrics

1. Consider the scores in the following table:

Score	Frequency
45	4
44	10
43	8
42	2

   (a) Calculate the percentile ranks for trait values of 44, 43, and 42.7.

   (b) Calculate the trait values at the 5th, 30th, and 76th percentiles.

2. Consider the scores in the following table:

Score	Frequency
37	6
36	124
35	58
34	10
33	2

   (a) Calculate the percentile ranks for trait values of 34, 35, and 36.1

   (b) Calculate the trait values at the 10th, 25th, and 53rd percentiles.

3. Consider the scores in the following table:

Score	Frequency
110-119	10
100-109	5
90-99	8
80-89	12
70-79	18

   (a) Calculate the percentile ranks for trait values of 86, 92, and 107.

   (b) Calculate the trait values at the 3rd, 22nd, and 75th percentiles.