Statistics 101 Homework Short Report for Topic 01 EF

Mean	Std.dev	Min	Q1	Median	Q3	Max
18.74	1.34	15.00	18.00	19.00	20.00	20.00
(94%)	(6.7%)	(75%)	(90%)	(95%)	(100%)	(100%)

Table 1: Summary statistics of the scores

Figure 1: Histogram of scores. Blue data represent scores less than 80 percent.

Each of the 99 students were given 12 questions from a bank of 40 questions. Figure 1 and Table 1 give the overall summary of student performance. Table 2 lists the 3 students who did not perform well on this homework. Table 3 and Figure 2 provide summary statistics of the scores per question set and learning outcome.
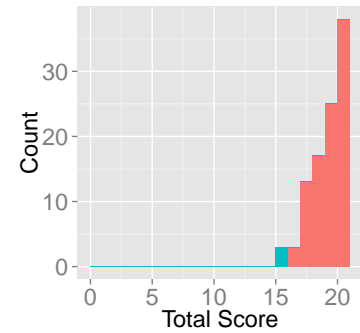
	% Correct		% Correct		% Correct
jsschill	75.00	lenhartj	75.00	oalvarez	75.00

Table 2: The 3 students whose percentages are less than 80%.

Topic 01 Learning Outcomes:

A. Identify the context of the data by answering the 5 W questions (who, what, where, when, why and how).
B. Identify the who and what questions of data based on the structure of the data table.
C. Determine the structure of the data table based on given information.
D. Determine whether variables are used as quantitative or categorical variables.
E. Identify units for a quantitative variable.
F. Identify categories for a categorical variable.
G. Distinguish between population and sample in a given scenario.

LO	Qset	#	Mean	Std.dev	Min	Median	Max
E	E	8	98.99	10.05	0.00	100.00	100.00
D	D	10	96.97	9.20	40.00	100.00	100.00
F	F	6	96.97	17.23	0.00	100.00	100.00
A	A	4	96.13	11.12	50.00	100.00	100.00
B	B	4	95.71	13.85	50.00	100.00	100.00
C	C	5	91.41	27.70	0.00	100.00	100.00
G	G	3	50.51	50.25	0.00	100.00	100.00

Table 3: Summary statistics of the question sets. Rows are sorted
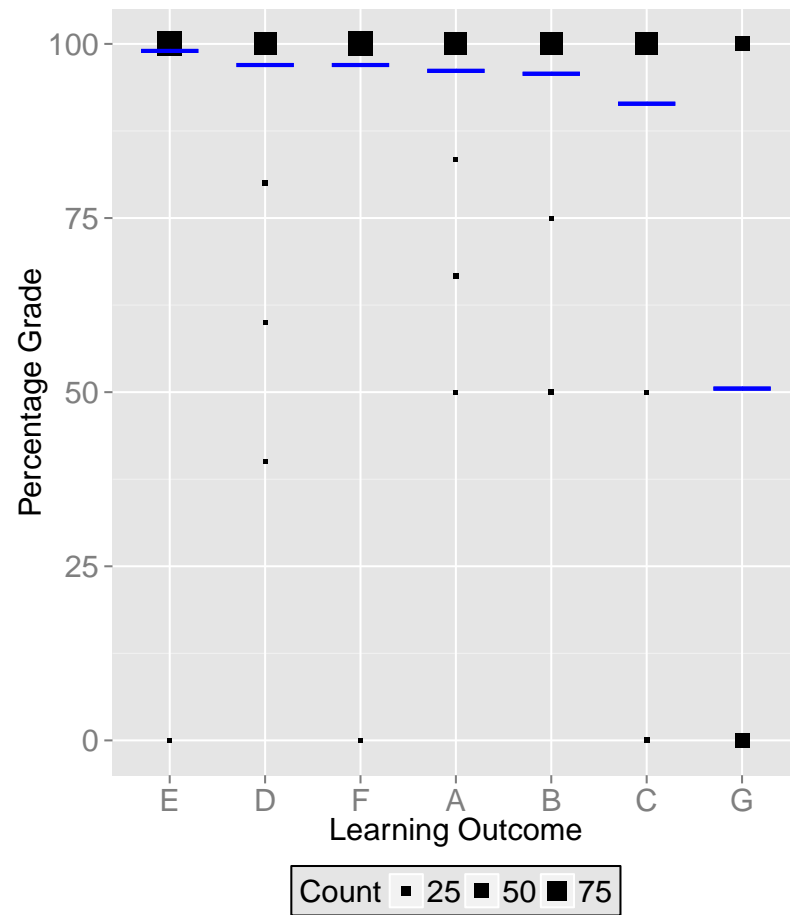by mean scores, which are marked red if less than 80 percent.

Figure 2: Fluctuation diagram of percentage correct by learning outcome. Mean scores are drawn as blue bars.