

Statistics 101 Homework Short Report for Topic 01 EF

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 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.

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

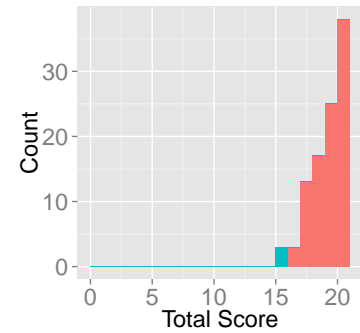


Figure 1: Histogram of scores. Blue data represent scores less than 80 percent.

% Correct	% Correct	% Correct	% Correct
jsschill 75.00	lenhartj 75.00	oalvarez 75.00	

Table 2: Students whose correct percentages are less than 80%.

Topic 01 Learning Outcomes:

- Identify the context of the data by answering the 5 W questions (who, what, where, when, why and how).
- Identify the who and what questions of data based on the structure of the data table.
- Determine the structure of the data table based on given information.
- Determine whether variables are used as quantitative or categorical variables.
- Identify units for a quantitative variable.
- Identify categories for a categorical variable.
- 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.

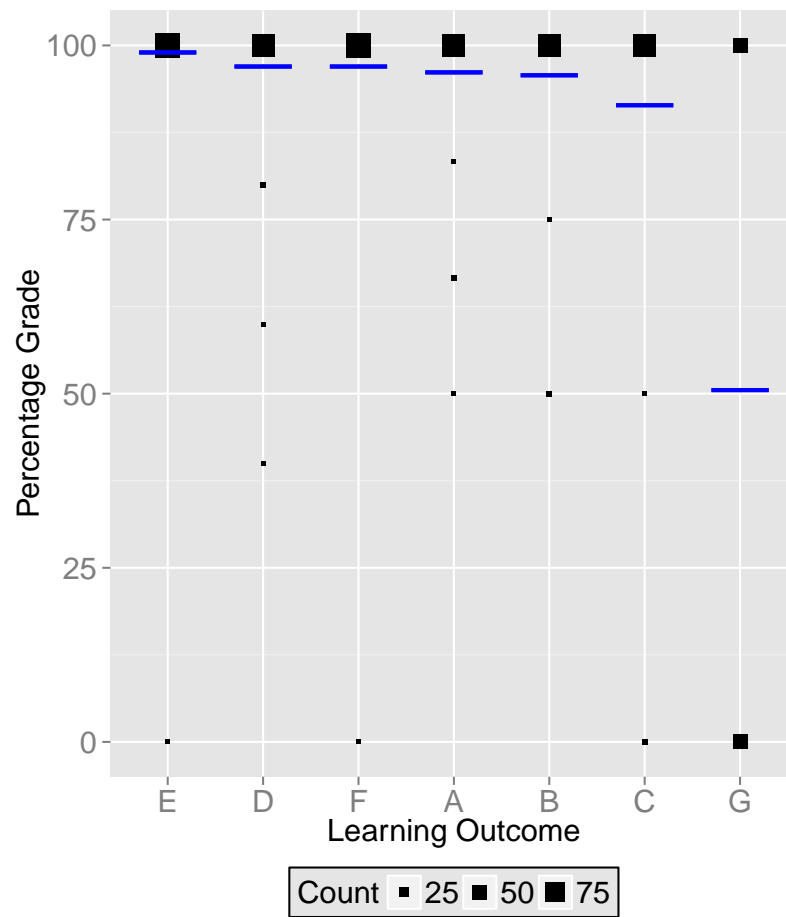


Figure 2: Fluctuation diagram of percentage correct by learning outcome. Mean scores are drawn as blue bars.