

Statistics 101 Homework Short Report for Topic 01 LM

Each of the 89 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
18.35	2.29	2.00	18.00	19.00	20.00	20.00
(92%)	(11%)	(10%)	(90%)	(95%)	(100%)	(100%)

Table 1: Summary statistics of the scores

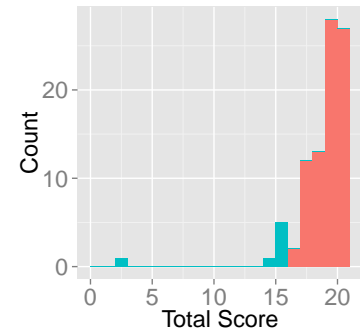


Figure 1: Histogram of scores. Blue data represent scores less than 80 percent.

% Correct		% Correct		% Correct		% Correct	
bskank	75.00	maurstad	75.00	zacharyt	75.00	areuter	10.00
kehughes	75.00	sully81	75.00	colen	70.00		

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
A	A	4	96.63	10.71	33.33	100.00	100.00
F	F	6	96.63	18.15	0.00	100.00	100.00
B	B	4	96.07	15.03	0.00	100.00	100.00
E	E	8	93.26	25.22	0.00	100.00	100.00
D	D	10	93.03	15.70	0.00	100.00	100.00
C	C	5	85.96	34.53	0.00	100.00	100.00
G	G	3	43.82	49.90	0.00	0.00	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.

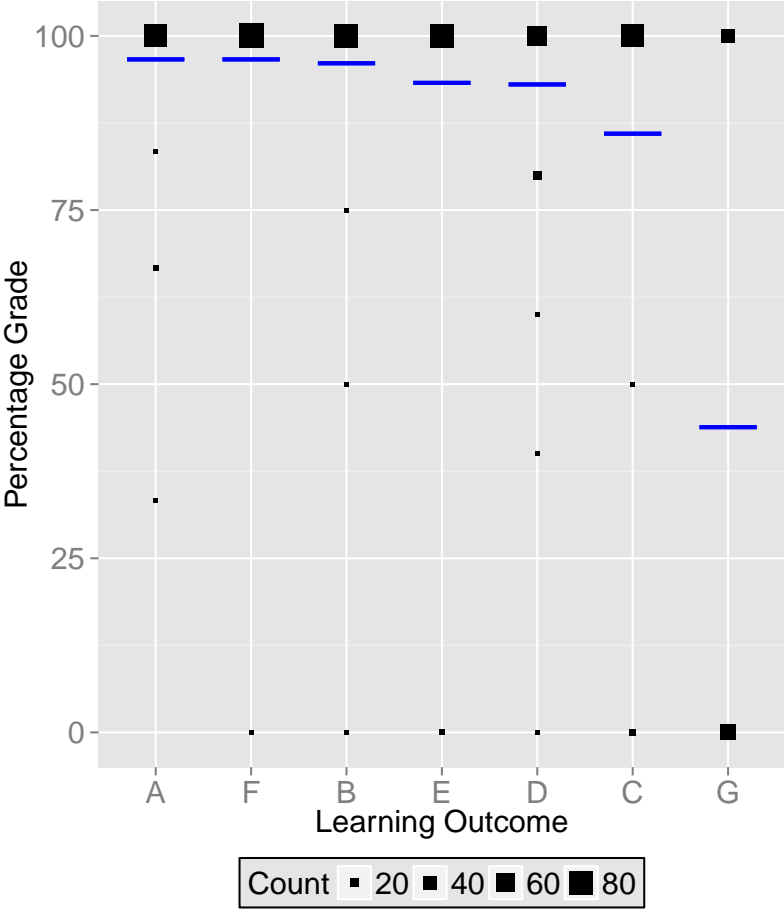


Figure 2: Fluctuation diagram of percentage correct by learning outcome. Mean scores are drawn as blue bars.