

## Statistics 101 Homework Short Report for Topic 01 AB

Each of the 94 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
18.65	1.60	12.00	18.00	19.00	20.00	20.00
(93%)	(8%)	(60%)	(90%)	(95%)	(100%)	(100%)

Table 1: Summary statistics of the scores

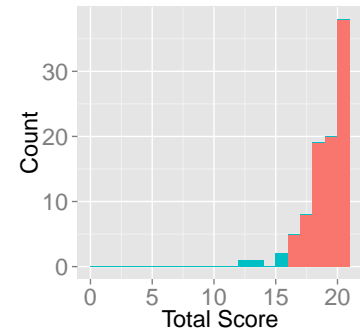


Figure 1: Histogram of scores. Blue data represent scores less than 80 percent.

% Correct	% Correct	% Correct	% Correct
ampink 75.00	jwiltz17 75.00	bergeson 65.00	dhcousin 60.00

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
F	F	6	100	0.00	100.00	100.00	100.00
A	A	4	98.4	6.02	66.67	100.00	100.00
E	E	8	97.87	14.51	0.00	100.00	100.00
D	D	10	94.04	11.29	60.00	100.00	100.00
B	B	4	93.35	19.11	0.00	100.00	100.00
C	C	5	80.32	39.63	0.00	100.00	100.00
G	G	3	72.34	44.97	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.

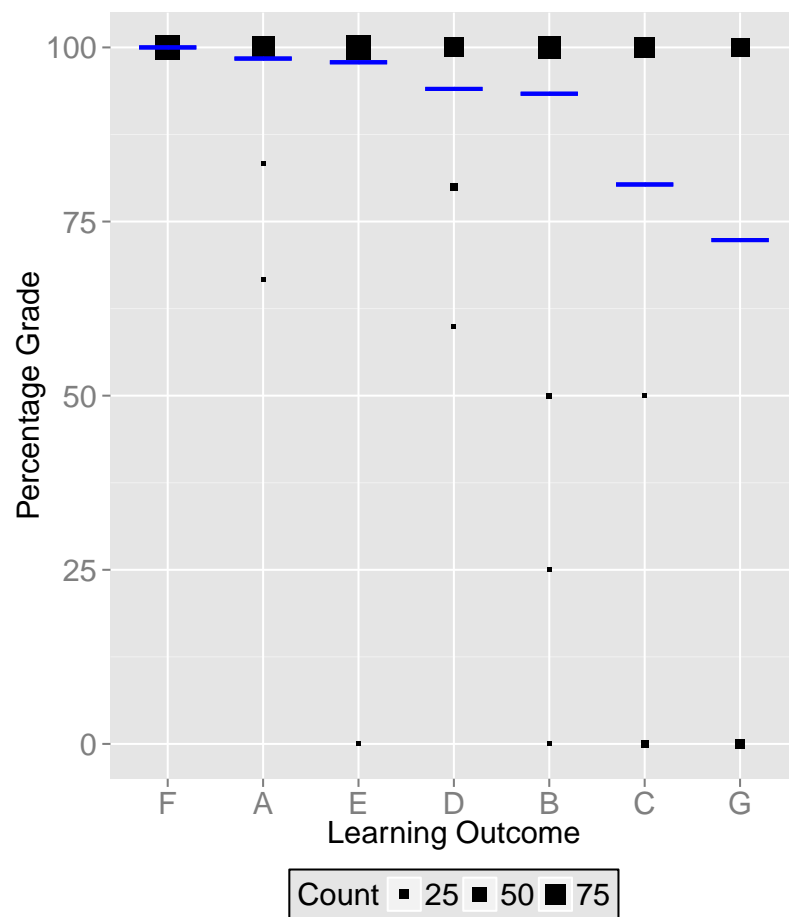


Figure 2: Fluctuation diagram of percentage correct by learning outcome. Mean scores are drawn as blue bars.