

## Statistics 101 Homework Short Report for Topic 01 JKQ

Each of the 118 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
18.15	2.04	8.00	17.00	19.00	20.00	20.00
(91%)	(10%)	(40%)	(85%)	(95%)	(100%)	(100%)

Table 1: Summary statistics of the scores

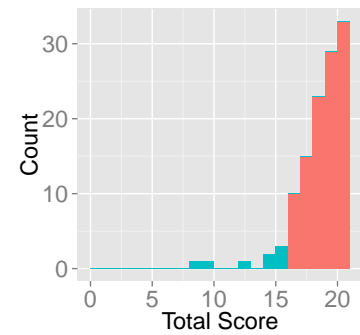


Figure 1: Histogram of scores. Blue data represent scores less than 80 percent.

% Correct		% Correct		% Correct		% Correct	
doylsamu	75.00	jlduncan	75.00	tjjensen	70.00	bmoreno	45.00
hanbrenn	75.00	logan21	70.00	ammacias	60.00	jackson1	40.00

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	96.61	18.17	0.00	100.00	100.00
B	B	4	95.55	16.22	0.00	100.00	100.00
A	A	4	95.06	11.80	50.00	100.00	100.00
E	E	8	94.07	23.72	0.00	100.00	100.00
D	D	10	91.36	19.48	0.00	100.00	100.00
C	C	5	76.27	41.71	0.00	100.00	100.00
G	G	3	62.71	48.56	0.00	100.00	100.00

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

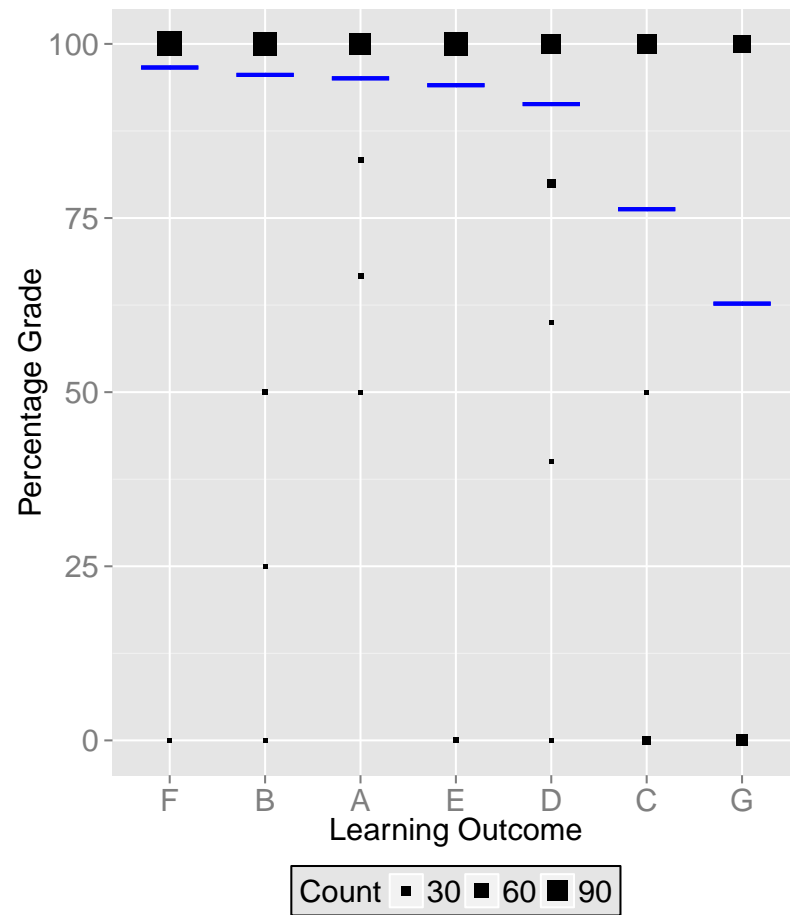


Figure 2: Fluctuation diagram of percentage correct by learning outcome. Mean scores are drawn as blue bars.