Statistics CP1 Learning Target Tracker 2025-2026

Quarter 1

- N (No Progress) means you showed no conceptual understanding of the learning target.
- B (Beginning) means that you showed incomplete conceptual understanding of the learning target or made a significant math error.
- P (Progressing) means that you got the problem entirely correct on one occasion.
- A(Accomplished) two demonstrated examples
- M (Mastery) means that you got the problem entirely correct on three occasions, and you are done with this learning target until the cumulative! Call your teacher over to give you a stamp!

#	Learning Target	N	B	P	A	M
1	**Ch 1 I can correctly identify the subjects of a study and the difference between parameters and statistics, populations and samples.**					
2	**Ch 2.1 I can distinguish between categorical and quantitative variables.**					
3	**Ch 2.2, 2.5 I can make appropriate visual displays of both categorical and quantitative data**					
4	**Ch 2.3, 2.4 I can calculate and use the mean, and standard deviation of a data set.**					
5	**Ch 2.4, 2.5 I can use the 68-95-99.7 rule (Empirical rule) and z-scores to solve problems.**					
6	**Ch 2.4, 2.5 I can use shape, outliers, center,c(K)ontext and spread (SOCKS) to correctly describe data distributions.**					
7	**Ch 3.2, 3.3 I can make and interpret a scatterplot, including association, correlation(r) and finding a LSRL**					
8	**Ch 3.4 I can explain the difference between correlation and causation and find lurking /confounding variables.**					
9	**Ch 3.3, 3.4 I can use regression to make predictions on the relationship of two quantitative variables.**					
10	**Ch 3.1 I can correctly discuss marginal and conditional distributions and Simpson's paradox.**					
	Quarter 1 Cumulative Exam					

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Quarter 2

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- P (Progressing) means that you got the problem entirely correct on one occasion.
- A(Accomplished) two demonstrated examples
- M (Mastery) means that you got the problem entirely correct on three occasions, and you are done with this learning target until the cumulative! Call your teacher over to give you a stamp!

#	Learning Target	N	B	P	A	M
11	**Ch 4.1 I can design a simulation preserving the relative probabilities of the actual experiment.**					
12	**Ch 4.1 I can discuss the advantages, properties and limitations of experiments, observational studies and surveys.**					
13	**Ch 4.2 I can describe simple random sampling (SRS) and related techniques.**					
14	**Ch 4.2 I can identify bias and name several varieties.**					
15	**Ch 4.3 I can correctly describe and use controls, in experimental design.**					
16	**Ch 4.3 , 4.4 I can discuss and identify confounding and lurking variables, the placebo effect and how and why blinding and blocking are used in experiments.**					
17	**Ch 5.1 I can discuss how sample size effects the probabilities of events.**					
18	**Ch 5.2 - 5.4 I can describe probabilities of simulated events.**					
19	**Ch 6.1 I can calculate expected values**					
20	**Ch 6.2 I can draw and interpret a normal curve as a model for certain distributions.**					
	Quarter 2 Cumulative Exam					

Statistics CP1 Learning Target Tracker 2025-2026

Quarter 3

- N (No Progress) means you showed no conceptual understanding of the learning target.
- B (Beginning) means that you showed incomplete conceptual understanding of the learning target or made a significant math error.
- P (Progressing) means that you got the problem entirely correct on one quiz.
- M (Mastery) means that you got the problem entirely correct on two quizzes, and you are done with this learning target until the cumulative! Call your teacher over to give you a stamp!

#	Learning Target	N	B	P	Mastery :-)
21	**Ch 7.1, 7.2 I can describe sampling distributions accurately. (ex binomial, geometric,normal)**				
22	**Ch 7.2 I can identify if the conditions for the Central Limit Theorem are met and then use it to describe a population distribution.** **(see p 323 and 326)**				
23	**Ch 8.1, 8.2, 8.3 I can calculate confidence intervals and interpret them.**				
24	**Ch 9.1 I can conduct a one proportion Z test, checking if the conditions are met, and correctly interpreting the results.**				\
25	**Ch 10.1 I can conduct 2 two proportion Z test, checking if the conditions are met, and correctly interpreting the results.**				
26	**CH 9.5 I can discuss the connection between confidence intervals, and statistical significance (alpha)**				
27	**Ch 9.6 I can discuss error types and what factors affect the power of a test**				
	Quarter 3 Cumulative Exam				

Statistics CP1 Learning Target Tracker 2025-2026

Quarter 4

- N (No Progress) means you showed no conceptual understanding of the learning target.
- B (Beginning) means that you showed incomplete conceptual understanding of the learning target or made a significant math error.
- P (Progressing) means that you got the problem entirely correct on one quiz.
- M (Mastery) means that you got the problem entirely correct on two quizzes, and you are done with this learning target until the cumulative! Call your teacher over to give you a stamp!

#	Learning Target	N	B	P	Mastery :-)
28	**Ch 9.2 I can conduct a one sample T test, checking if the conditions are met, and correctly interpreting the results..**				
29	**Ch 10.2 I can conduct two sample T tests, checking if the conditions are met, and correctly interpreting the results.**				
30	**Ch 11 I can conduct chi squared tests, checking if the conditions are met, and correctly interpreting the results.**				
31	**I can design and conduct a survey, observational study or experiment taking steps to avoid bias and maximize power.**				
32	**I can critique the experiments of others on the basis of bias, errors in analysis, or presentation**				
33	**I can choose an appropriate hypothesis test, check if the conditions are met, conduct the test and interpret the results.**				
34	**I can present findings from my study in a clear and compelling fashion.**				
	Final Project				