FALL 2024

TEST CORRECTION POLICY FOR AP STATS

What: Test corrections allow you to earn back up to one half of the points you missed on every Test.

When: Handed in within 1 week from the day your test was returned to you.

Why: To encourage students to learn concepts they did not understand in the assessment.

How: You must Prove To Me Without A Doubt that you understand how to do the problem correctly.

IMPORTANT: I WILL "NOT" GRADE any test corrections that are:

- Messy or handwriting is difficult to read. Tips: skip lines, white space, type it.
- Disorganized and difficult to follow work. Tip: paper is cheap, and I have lots if you need it.
- I'm not a cryptologist.

Here are the guidelines for EVERY problem you want to earn back half of the points you lost (i.e. you do NOT need to correct every problem you missed):

1) FORMATTING:

- One question per page (including MC).
- · Please no spiral paper.
- Your solution should be easy to follow!!!! Show your work in steps going down.
- · Use white space, skip lines, write in bullets.
- Your handwriting must be easy to read. Or type it.

2) SOLUTION:

- Label each question and indicate the number of points lost for each question (i.e.: I lost 5 points on question MC#4 or FRQ#3a)
- Work out the problem showing step-by-step detail (with accompanying written explanation), arriving at the correct solution.
- You must describe the problem provide all data, statistics, graphs given in the problem so I do not have to go back to the problem to check your work.
- Steps need to go down in a logical order along with words describing what you are doing in each step.
- Your solution must be correct in every way. (I.e. every calculations clearly labeled, clearly labeled normal graph, z-scores, answer in context, etc.)
- No credit is given for an incorrect solution. If you are not sure of the solution, set up time with Ms. Groves to review the problem.
- 3) Test corrections are due one week from the day your tests are passed backed to you. Put your test correction stapled to the front of your test and put in the class box. Do not wait until the next class, as your work will not be accepted.

Remember this is an opportunity for you to improve your grade and Clearly demonstrate to me your <u>complete understanding</u> of the concepts you missed.

Expectations for Free Response (FRQ)

For Free Response, completely redo the problem showing every step with explanations to correctly arrive at the answer(s) required. This means I am expecting more detail to prove to me you know how to answer this question and deserve to earn half your points back. Expected details to include:

- For each problem, provide all together (1) Label question # and indicate the number of points lost; (2) Provide ALL information needed to complete this problem, and (3) solution. Complete each question on a new page.
- Providing all details that you need to do this problem (so I do not have to go back and read the question) is
 especially important if you only do a part of a FRQ. You will not be required to complete the entire problem but
 must treat each sub-question as a stand-alone question.
- From the question, include all of the information needed to correctly do this problem (i.e. statistics, sketch graphs, description of the problem, etc.) I should be able to understand this test correction without having to go back and read the question.
- Show work clearly in steps. Do NOT write in paragraph form. If necessary, use bullets to show detailed steps.
- Use appropriate notations to describe every number and label every calculation.
- When in doubt, provide a clearly labeled normal graph. Also z-scores and describe the distribution i.e. $N(\mu, \sigma)$.
- Graphs are sketches but must include scale and labels; and provide a visually clear representation of the data.

Expectations for Multiple Choice (MC)

For each multiple choice, provide all together (1) Label question # and indicate the number of points lost; (2) reflection; and (3) solution. Clearly skip lines between questions.

For multiple choice questions, you are explaining the correct choice in complete detail (and your reflection is discussing why you made the wrong choice).

You can put MC into 3 groups and here is the expected work:

- 1) Free Response (i.e. what percent of women weigh between 120 and 150 pounds?)
 - For these, complete by following the FRQ steps outlined above.
- 2) Vocabulary
 - For vocabulary questions, you must research the definition(s) and cite your source (i.e. TPS book or Internet).
 - TPS Book: cite the TPS book location(s) you used with the page and paragraph locations.
 - INTERNET: cite the web address. Print the page and tape/glue the relevant portion with the question you are correcting.
 - Then clearly explain the correct definition(s) in the context of the problem.
- 3) Interpreting data or graphs
 - From the question, include all of the information needed to correctly do this problem (i.e. statistics, sketch graphs, description of the problem, etc.). I should be able to understand this test correction without having to go back and read the question.
 - For graphs, provide a sketch with scale and labels that provide a visually clear representation of the data for you to explain the correct choice.
 - For tables, provide a sketch of the table with the information that is needed to explain the correct choice.
 - Then work out the problem showing step-by-step detail (with accompanying written explanation), arriving
 at the correct solution. Include in your response, a detailed explanation on how to use the graph or table to
 answer this question.

Reason why you will not earn ½ points back:

The goal is to demonstrate that you completely understand the concepts.

Test corrections allow you to earn back up to one half of the points you missed on every test. Here is a list of reason you will not earn your points back:

- W=Writing: I cannot read your handwriting. I recommend you type future test corrections.
- **F=Formatting:** I cannot follow your work. Show your work in steps going down. Use white space, skip lines, and write in bullets. Paper is cheap.
- M=Missing information from the original problem: For me to review the problem, you must provide all information from the problem, so I do not have to go back to the problem to check your work.
 - You must describe what the problem is asking you to do.
 - As well as provide ALL statistics and graphs given in the problem needed to answer the question completely.
- U=Unclear: Your response is unclear. You need to work out the problem by showing step-by-step details (with an accompanying written explanation). I suggest you write in 2 columns. Column 1 has the steps and column 2 has the explanation or vice versa.
- **I=Incomplete:** You are missing steps. You must show all steps as if this is a free response. For vocabulary, you must provide a reference to the textbook to demonstrate you understand the vocabulary.
- N=No credit given: You must have correct solutions/answers.

If you have any questions, email me, or see me in Flex,

Ms. Groves

MC-FREERESPONSE EXAMPLE

	PTIONAL
	ME 10 I LOST 5 POINTS BECAUSE I DID
	NOT KNOW HOW TO USE THE NORMAL COF
	ON THE CALC. AND I DID NOT CALCULATE
	THE ZSWRE CORRECTLY.
	CORRECT SOLUTION [complete like on actual FRQ]
1	* THE QUESTION IS LOOKING AT
×	BIRTHWEIGHTS ATA LOCAL HOSPITAL
	* THE DISTRIBUTION WAS STATED NORMAL
	WITH M= 11002 6=1507
	* THE IST STEP IS TO SKETCH THE
	NORMAL GRAPH AND CALC. ZSCORE
	Z = 95 - 110 $Z = -1$
	95 1
	* THE I NEED TO CALC. THE AREA
	P(7 4-1) = 1.1587 USING NORMAL COF
	(-E99,-1,0,1)
	* ANSWER IN CONTEXT.
	ABOUT 1690 OF INFANT BIRTH WEIGHT
	15 UNDER 9502.
0 1	THE CORRECT ANSWER IS (A) 0.159.
	NOTE: Since this was a MC, I could use
	my cole for this work in the future.
	ex normalf(-1899, 95, 110, 15) = 10.159

MC- VOCABULARY EXAMPLE

	CORRECT SOLUTION:
	This Question was asking to understand mean and median for a skewed distribution.
	To answer this question refer to TPSHE, po 54 Section " comparing Mean AND MEDIAN"
	It stated "in a skewed distribution, the mean is usually forther out in the long tail than is the median"
	FOR ME A GRAPH HELPS SHOW THIS Relationship.
JA Q	The Mean is median mean the mean is median mean the see of closer to the orther
	* The correct answer is (C) The mean must be Greater than the
	medion.

	MC-INTERPRETIGE DATE OR GRAPHS
	[ap Howel
(MC = 3 I LOST 5 POINTS BECAUSE
	I READ THE QUESTION TOO
	QUICKLY AND RUSHED THROUGH
	FINDING QI AND QZ. I
	ROUNDING THE QUARTILES AND
	DID NOT FIND IOR.
	1,165
	Mis Grofin the
	CORRECT SOLUTION LIVE Problem
*	
*	TOFIND THE IQR, (03)075
'	I NEED TO USE THE
	Cum. FREQUENCY (Q1).25
	GRAPH SEE THE 0 5.5 6.7 9
	ARROWS ON THIS GRAPH. LENGTH CM
	@QI is AT 25% W/ LENGTH N5.5cm (see arrows)
	@Q3 is AT 75% W/ LENGTH ~ 6.7cm (see a rrows
	· NOW FIND IOR = Q3-Q1=
	= 67-5,5 I ORA 1.3cm
_	THE CORRECT ANSWER IS (D) lid contineters
	THE CORRECT ANSWER

FRQ - FREE RESPONSE EXAMPLE

POPTIONAL FROIS I LOST 4 POINTS BECHUSE I DIDNOT UNDER STAND Percentiles COMES FROM THE LEFT AND GU TO THE RIGHT. I ALSO MISUNDER STOOD HOW TO WRITE THE ANSWER IN CONTEX CORRECT SOLUTION FIND THE 90Th percentile FOR WOMEN WHO PARTICIPATED IN A 5 MILE ROAD RACE THE DISTRIBUTION - N (28.891, 6.481) GRAPH 3 FIND Z FOR 90 notile area , 90 USE INVNUEM (, to, o, 1) Z=1,28 9 FIND X USING ZSCORE 28,891 X 2 37.19 FORMULAS Z=1128=X-28.891 5) THE GOTH PERCLINTILE FOR WOMEN WHO X=1.28(6,481)+28.8 PARTICIPATED IN A × ~ 37, 187 5 MILE ROAD RACE IS ABOUT 37 MINUTES.

Sample FREE RESPONSE

	#4 I LOST 4 POINTS.
	- THIS PROBLEM IS ABOUT A POST OFFICE
	WEIGHING OUT GOING FIRST CLASS MAIL.
	- X = AVERAGE WEIGHT OF A 1ST CLASS letter
	- TOLD IT WAS APPROX NORMAL W/ Mean = 0.69 SD=0.16
	- WE ARE ASKED TO FIND THE GOTH THE
~	OF FIRST CLASS LETTERS
	1) DRAW A NORMAL GRAPH
	To DEscribe this problem
	Labeling the Potile, mean x and Z 0.69 Mean x=0.73
	7-1/45
	2 USE Z-FORMULA Z= X-mean
\ <u>-</u>	3) FIND Z USING INV NORM (.6,0,1) -> . Z=1.645
-	FILL IN Z MEGN & SD Z Z= 1,645 = X-0.69
	(5) SOLUE FUR X 7 0.16 AND AND TO > X = 1.645 (0.16) +0.69
H	
	GRAPH
	TO ANSLIED IN CONTENTS
	6 ANSWER IN CONTEXT:
	THE GOTH percentile for weight of
	THE 60th percentile for weight of a 1st class letter is about 0.730z.
	*
)	