

<u>To</u> <u>Course</u> > <u>an</u>	<u>pic 1: Introduction to Probability</u> ad Statistics
<u>course</u> > <u>an</u>	id Statistics 7 Comprehension Quiz 1 7 Quiz 1
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Quiz 1	
Checkbo	xes
1/1 point (gra	
What is prol	bability and statistics useful for?
To qua	antify uncertainty
☐ To find	d exact solutions to mathematical problems
To ma	ke predictions about future events
. 4	
•	
Answer Correct:	
	Probability and Statistics
Submit	You have used 2 of 4 attempts
Checkbo	xes
1/1 point (gra	dad)
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vhich of the following problems can best be solved with probability and statistics?
☑ Predicting the number of rainy days in April
☐ Finding the interest on a 30-year fixed rate mortgage
Estimating your potential winnings in a game of Blackjack
☐ Finding the amount of turf required to cover a football field
Answer Sorrect: Sideo: Why Probability and Statistics Submit You have used 1 of 4 attempts
Multiple Choice /1 $_{ m point}$ (graded) uppose a coin is tossed 1000 times and comes up heads 610 times. Is the coin biased?
Yes, with very high probability
○ Unclear
Inswer Correct: Video: What is Probability

Submit You hav	ve used 1 of 4 attempts
Multiple Choice	
1/1 point (graded) What is the probabili	ty of drawing a Queen from a deck of $f 52$ cards?
$\bigcirc \ \frac{1}{52}$	
<u>4</u> ✓	
$\bigcirc \frac{1}{2}$	
$\bigcirc \ \frac{2}{52}$	
Answer Correct: Video: What	t is Probability
Submit You hav	ve used 1 of 4 attempts
Checkboxes	
1/1 point (graded) Which of the followin	ng describe the differences between probability and statistics?

Probability predicts what will happen. Statistics works with what has already happened.

Probability works with observed variables. Statistics is modeled by random variables.	
☐ Probability requires existing data. Statistics requires underlying models.	
✓	
Answer Correct: Video: What is Statistics	
Submit You have used 1 of 4 attempts	
True or False	
/1 point (graded)	
	oabilities.
	oabilities.
f we repeat an experiment many times, the long term frequencies of the outcomes converge to the prob	oabilities.
f we repeat an experiment many times, the long term frequencies of the outcomes converge to the prob True False Answer	oabilities.
f we repeat an experiment many times, the long term frequencies of the outcomes converge to the probe. True True	pabilities.
we repeat an experiment many times, the long term frequencies of the outcomes converge to the problem. True ✓ False Answer Correct: Video: History of Probability and Statistics	Hide Discussion

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how all posts	ivity \$
Programming Assignment The programming assignments naturally require code to be written. Is there any accompanying guide that describes (but not the Python code) the equations th	3
Executing Ex1 script in Spyder Python environment I can execute Ex1 script in Jupyter Notebook. But I can't execute Ex1 script in Spyder Python environment despite importing numpy and matplotlib. It doesn't re	4
AssertionError in Testing your functions Dear fellows, when I run Testing your Functions in Exercise 2, it shows AssertionError in line text_report_assert (n,q1,q2,m,r) and in line norm_err < 1.0. My code	4
HW1 Exercise 1 When running this code for Exercise 1, I received an AssertionError in the checking function below. Could someone show me how I can modify this code? Thank	5
Assignment 1 checking function incorrect estimate Hi fellows, I'm getting an "estimate incorrect" error in the final checking function in Assignment 1, saying that the probability should be 0.579, instead of my resu	2
programming assignment can somebody provide the code for exercise 2 and explain it because i'm not able to write the code	10
Problem with Exercise 2 Code Can anyone tell me what is wrong with my code? I'm getting probabilities that aren't matching the answers. def estimate prob(n, k1, k2, m): within range = 0 for	2
Question3 Can you please explain the method used to estimate the P(k1 <=number of heads in n flips <k2)?, b<="" calculated="" have="" heads="" i="" number="" of="" sum="" td="" the="" trails="" with=""><td>2</td></k2)?,>	2
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