Homework 2 (Graded)

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Due Monday, July 1 in class.

ASV exercises 2.84 (3 points), 2.85 (2 points).

S2.1: Continuing the example from the end of Friday's lecture, let P(G) = .001, P(+|G) = .99, P(-|not G) = .95 where G is the event that someone has Galoomph, "+" is the event that the test for Galoomph is positive and "-" is the event that the test is negative. Suppose you test positive for Galoomph, so the doctor orders another test to make sure and this second test comes up negative. What is the probability you have Galoomph? (2 points) Still worried about the first test being positive, you decide to go in for a third test. What is the probability this test results is positive? (2 points)

Points   7

Submitting   on paper

Due	For	Available from	Until
-	Everyone	-	-

Some Rubric		
Criteria	**Ratings**	**Pts**
Description of criterion	**7.0 pts** **Full Marks** **0.0 pts** **No Marks**	7.0 pts
		Total Points: 7.0