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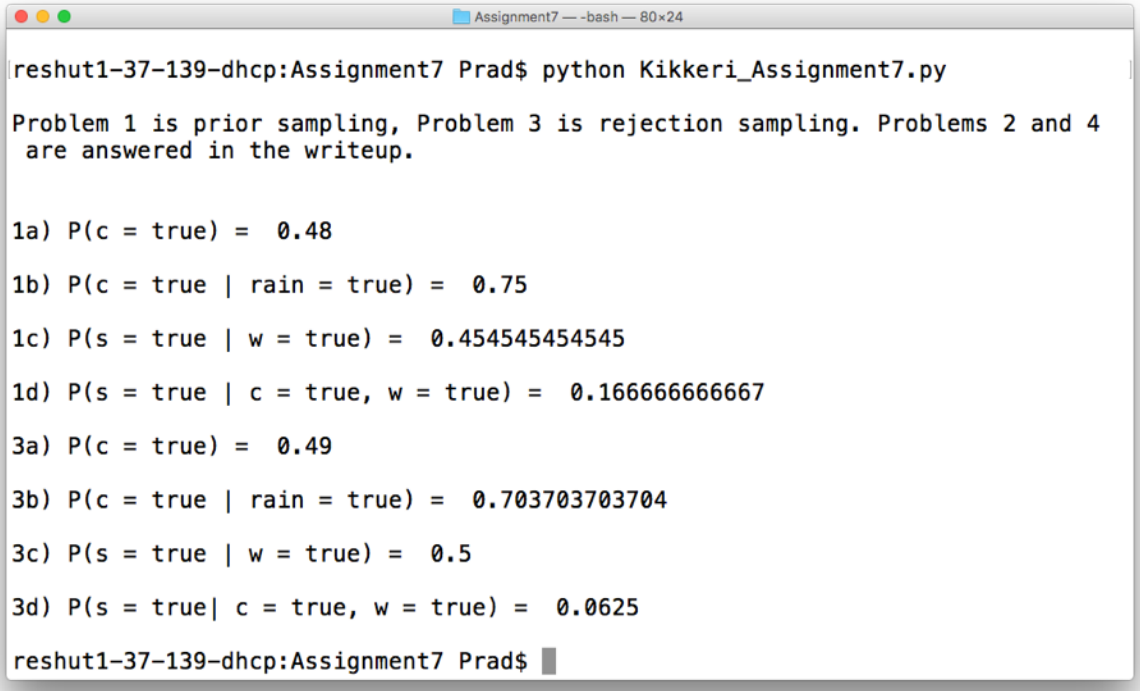
Assignment 7 CSCI 3202
Due Friday, November 6, 2015

PROBLEMS 1 AND 3 output: code is on my GitHub: prki8570/ai3202/Assignment7



Problem 2:

Actual prior sampling calculation values and errors

P(C) = 0.50, error of 0.02, very close
P(C I R) = 0.80, error of 0.05, also close but not as much
P(S I W) = 0.4737, error of 0.0192
P(S I C, W) = 0.0474, error of 0.1196, the highest deviation

Problem 4:

Rejection sampling errors

P(C) rejection sampling error is 0.01, closest one yet!
P(C I R) rejection sampling error is .0963, the second highest error in this assignment
P(S I W) rejection sampling error is .0263, very close
P(S I C, W) rejection sampling error is .0151, third closest one in this assignment.

Sampling was very close to the actual values of P(C) and P(S l W) in each method. The other calculations were not as exact.