Courseware

Updates & News

Calendar

Wiki Discussion **Progress**

PART A - PROBLEM 1: PROBABILITIES

This part of the problem set involves some pencil-and-paper exercises. It will help you practice and understand simple probability and statistics.

Let's say Alvin will catch the flu with probability of 1/10 during any given month. Let's also assume that Alvin can catch the flu only once per month, and that if he has caught the flu, the flu virus will die by the end of the month. What is the probability of the following events?

As in the problems from Lecture 3, answer each question in reduced fraction form - eg 1/5 instead of 2/10.

PROBLEM 1-1 (1 point possible)

He catches the flu in September, October and November.

You have used 0 of 10 submissions Check Save

PROBLEM 1-2 (1 point possible)

He catches the flu in September and then again in November, but not in October.

Check You have used 0 of 10 submissions Save

PROBLEM 1-3 (1 point possible)

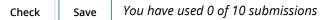
He catches the flu exactly once in the three months from September through November.

You have used 0 of 10 submissions Check Save

PROBLEM 1-4 (1 point possible)

He catches the flu in two or more of the three months from September through November.





Show Discussion





EdX offers interactive online classes and MOOCs from the world's best universities. Online courses from MITx, HarvardX, BerkeleyX, UTx and many other universities. Topics include biology, business, chemistry, computer science, economics, finance, electronics, engineering, food and nutrition, history, humanities, law, literature, math, medicine, music, philosophy, physics, science, statistics and more. EdX is a non-profit online initiative created by founding partners Harvard and MIT.

© 2014 edX, some rights reserved.

Terms of Service and Honor Code

Privacy Policy (Revised 4/16/2014)

About & Company Info

About

News

Contact

FAQ

edX Blog

Donate to edX

Jobs at edX

Follow Us

Twitter

Facebook

Meetup

in LinkedIn

Google+