Stochastic final report

Robert Morris,

Philbert’s Looking for a date Scenario.

Philbert is a 26 year recent Delaware State University graduate who is currently single and looking for a date. Philbert frequents the Dave & Filibusters arcade and sports bar which is the hottest spot in town for young adults. Philbert’s goal of this stochastic study is to see how to best improve his odds of getting a date by choosing the best nights to visit the bar. He figures he can get 1 phone number on any given night average but wants to know how his odds increase or decrease due to the nights volume of visitors. With Philbert averaging about 1/8 dates from the phone numbers he has received over his young life, He aims to find the best combination of nights out to maximize his odds of getting a date.

Another question Philbert is contemplating, is that if he were to increase his attractiveness by say, learning to dance or a new wardrobe, (increasing he odds of a second date by ¼ of the numbers received) is better than only frequenting busier nights with his current attractiveness.

Throughout my attempt at modeling this problem, I was stuck trying implement the Poisson rate as an increase in odds if the phone numbers received on a given night were larger than 1. This hiccup has hindered the finishing of my project and therefor left my report short. Although I will not be able to further work on my model before the deadline I am still interested in your remarks if you would not mind.

Thanks and have a great holiday.

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