

The first part was done in class. Second part is Homework.

1. The number of accidents involving one or more fatalities in a stretch of Interstate 80 were recorded for a year and the data is as follows. Is the data consistent with a Poisson distribution for the number of such accidents on any day with the same expected number of accidents on every day.

no of accidents	no of days
0	229
1	79
2	43
3	10
4	4
> 4	0

2. What if the same data were divided into two groups according to weather conditions: fair and bad. Does each group behave like a Poisson?

no of accidents	no of fair – weather days	no of bad – weather days
0	198	31
1	29	50
2	3	40
3	0	10
4	0	4
> 4	0	0