

## Section 5.3: The Poisson Probability Distribution

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12:12 PM

Poisson - good model for data that represent the number of occurrences of a specified event in a given unit of time or space

- examples:
- number of car accidents at a particular intersection during a given period of time
  - number of people standing at a certain street corner at a given time
  - number of pieces of litter in a given area of park at a certain time

then  $x$  = number of events occurring in that period of time or space

↑ note: no max value!