**Poisson Distribution**

|  |
| --- |
| Using the substitution:  We have: |

|  |
| --- |
| (There are *k* terms here) |

**Bringing it all together**

Binomial ⇒ ⇒

Proof of the Recurrence Relation

Since…

Intro to Poisson

<https://www.youtube.com/watch?v=8x3pnyYCBto>

Khan Academy 1

<https://www.youtube.com/watch?v=3z-M6sbGIZ0>

Khan Academy 2

<https://www.youtube.com/watch?v=Jkr4FSrNEVY>