

## MCV Question 8

\* Negative Binomial Regression is used instead of Poisson Regression for count processes where over-dispersion is detected (from the sample data)

\* OVER DISPERSION

$$\text{VAR}[Y] > E[Y].$$

\* RECALL

FOR POISSON RANDOM VARIABLES

$$E[X] \equiv \text{VAR}[X]$$

\* The model can be interpreted the same way AS A Poisson Regression model.

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