

183. You are given claim count data for which the sample mean is roughly equal to the sample variance. Thus you would like to use a claim count model that has its mean equal to its variance. An obvious choice is the Poisson distribution.

Determine which of the following models may also be appropriate.

- (A) A mixture of two binomial distributions with different means
- (B) A mixture of two Poisson distributions with different means
- (C) A mixture of two negative binomial distributions with different means
- (D) None of (A), (B) or (C)
- (E) All of (A), (B) and (C)