Charudatta Deshpande P57 - 21.3 Maximum likelihood estimate for h. $\frac{d}{d\lambda}\left(\log l\left(\mathbf{x};\lambda\right)\right) = 0$ $\frac{d}{d\lambda}\left(-\lambda + \chi \log \lambda - \log (\chi!)\right) = 0$ + x - 0 = 0 So, i, maximum likelihood estimate for) is equal to X. Refer to submitted markdown PDF file for more explanation.