ERRATA

Actuarial Statistics with R: Theory and Case Studies

Page 47, section 3.4 heading, should be Ordinary Least Squares Estimation

Page 48, equation 3.10, replace $\mathbf{X}\boldsymbol{\beta}$ with $\mathbf{X}\hat{\boldsymbol{\beta}}$

Page 102, Table 6.1, The Density for Gamma Distribution should be $\frac{1}{\lambda^{\alpha}\Gamma(\alpha)}y^{\alpha-1}e^{-y/\lambda}$

Page 102, Table 6.2, For Gamma Distribution, $\theta = -\frac{1}{\lambda\alpha}$, $b(\theta) = -\ln(-\theta)$, and $S(y,\phi) = -\frac{1}{\phi}\ln(\frac{1}{\phi}) - \ln\Gamma(\frac{1}{\phi}) + (\frac{1}{\phi} - 1)\ln y$

Page 104, Table 6.3, The canonical link function for the Gamma Distribution should be the inverse function $\frac{1}{\mu}$. The minus sign may be ignored since constants are usually omitted in the canonical link function.

Page 104, itemize (a) replace x_{in} with x_{ik}

Page 106, line following equation 6.13, leave a space between "the" and "**maximum**".

Page 109, the two equations below Equation (6.22) should be

$$L_{max} = \sum_{i=1}^{n} \ln f(y_i; \theta_{i,Sat}, \phi),$$

$$\frac{\partial}{\partial\theta_i}\ln f(y_i;\theta_i,\phi) = \frac{y_i - b'(\theta_i)}{\phi} = 0.$$

Page 120, equation 7.4, replace the standard normal distribution with $\Phi(z) = \int_{-\infty}^{z}\frac{1}{\sqrt{2\pi}}e^{-x^2/2}\mathrm{d}x$

*Page 141, **Exercise 8.5**, 5th line*, Replace "For a portfolio for a 3-year development period" with "For a portfolio with a 3-year development period"

Page 165, line 3, Replace "will close to zero" with "will be close to zero"

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