Software Reliability Models

- Goel-Okumoto (G-O) model

$$m(t) = a(1 - \exp[-bt]),\ a > 0, b > 0,$$

- Gompertz growth curve model

$$m(t) = ak^{b^t},\ a > 0, 0 < b < 1, 0 < k < 1,$$

- Logistic growth curve model

$$m(t) = \frac{a}{1 + k\exp[-bt]},\ a > 0, b > 0, k > 0,$$

- Yamada delayed S-shaped model

$$m(t) = a(1 - (1 + bt)\exp[-bt]),\ a > 0, b > 0,$$