

Post-Test 3 Formula Sheet - STAT 513

$$P[t \leq T < t+1 | T > t]$$

$$\lim_{h \rightarrow 0} \frac{P[t \leq T < t+h | T > t]}{h}$$

$$\hat{m}(t) = \frac{d(t)}{n(t) - \frac{1}{2}w(t)}$$

$$\prod [1 - \hat{m}(t)]$$

$$[\hat{S}(t)]^2 \sum_{j=1}^t \frac{d(j)}{[n(j) - \frac{1}{2}w(j)][n(j) - d(j) - \frac{1}{2}w(j)]}$$

$$\prod_{A(u)} \left[1 - \frac{d(u)}{n(u)} \right]$$

$$[KM(t)]^2 \sum_{A(u)} \left[\frac{d(u)}{n(u)[n(u) - d(u)]} \right]$$

$$T_{LR} = \frac{\sum_{A(u)} \left[d_1(u) - \frac{d(u)n_1(u)}{n(u)} \right]}{\sqrt{\sum_{A(u)} \frac{n_1(u)n_2(u)d(u)[n(u) - d(u)]}{[n(u)]^2 [n(u) - 1]}}$$