

Probabilità e Statistica - 15 Gennaio 2013

	C1	C2	C3	C4	E1	E2
F1	0.05932	$\frac{1}{12}$	0.4	$\frac{5}{6}$	$L = 2^n \lambda^n \left[\prod_{i=1}^n (1 + X_i) \right]^{-2\lambda-1}$ $T = \frac{n}{2 \sum_{i=1}^n \ln(X_i + 1)}$ $\hat{\lambda} \approx 0.4726$	$k = \frac{2}{9}$ $F_X(x) = \begin{cases} 0 & \text{se } x < 0 \\ \frac{1}{3}x^2 - \frac{2}{27}x^3 & \text{se } 0 \leq x < 3 \\ 1 & \text{se } x \geq 3 \end{cases}$ $E[X] = \frac{3}{2}$ $\text{var}[X] = \frac{9}{20}$ $P[1 \leq X < 2] = \frac{13}{27}$