Probabilità e Statistica - 26 Marzo 2013

	C1	C2	C3	C4	E1	E2
F1	0.05932	$\frac{1}{12}$	$\frac{1}{3}$	$\frac{5}{6}$	$L = \lambda^n \left[\prod_{i=1}^n (1+X_i)\right]^{-\lambda-1}$ $T = \frac{n}{\sum_{i=1}^n \ln(X_i+1)}$ $\hat{\lambda} = \frac{2}{5\ln 2}$	$k = \frac{3}{4}$ $F_X(x) = \begin{cases} 0 & \text{se } x < 0 \\ \frac{3}{4}x^2 - \frac{1}{4}x^3 & \text{se } 0 \le x < 2 \\ 1 & \text{se } x \ge 2 \end{cases}$ $\mathrm{E}[X] = 1$ $\mathrm{var}[X] = \frac{1}{5}$ $\mathrm{P}[1 \le X < 1.5] = \frac{11}{32}$