

Probabilità e Statistica - 24 Giugno 2008

	C1	C2	C3	C4	E1	E2
F1	0.97556	1260	$\frac{2\bar{X}_n - 1}{3}$	$\frac{16}{33}$	$\frac{7}{18}$ $\frac{847}{5832}$ $\frac{5}{21}, \frac{4}{5}$	$a = 16$ $F_X(x) = \begin{cases} 0 & x \leq 16 \\ 1 - \frac{16}{x} & x > 16 \end{cases}$ $P[X > 3a] = \frac{1}{3}$ $\text{Med}[X] = 32$ $\frac{16}{27}$
F2	0.54674	4200	$\frac{2\bar{X}_n - 5}{3}$	$\frac{20}{39}$	$\frac{13}{20}$ $\frac{637}{8000}$ $\frac{7}{24}, \frac{1}{7}$	$a = 10$ $F_X(x) = \begin{cases} 0 & x \leq 10 \\ 1 - \frac{10}{x} & x > 10 \end{cases}$ $P[X > 3a] = \frac{1}{3}$ $\text{Med}[X] = 20$ $\frac{16}{27}$
F3	0.91988	11550	$\frac{\bar{X}_n - 2}{2}$	$\frac{20}{39}$	$\frac{11}{18}$ $\frac{539}{5832}$ $\frac{5}{21}, \frac{1}{5}$	$a = 12$ $F_X(x) = \begin{cases} 0 & x \leq 12 \\ 1 - \frac{12}{x} & x > 12 \end{cases}$ $P[X > 3a] = \frac{1}{3}$ $\text{Med}[X] = 24$ $\frac{16}{27}$
F4	0.7887	27720	$\frac{\bar{X}_n + 1}{2}$	$\frac{16}{33}$	$\frac{7}{20}$ $\frac{1183}{8000}$ $\frac{7}{24}, \frac{6}{7}$	$a = 8$ $F_X(x) = \begin{cases} 0 & x \leq 8 \\ 1 - \frac{8}{x} & x > 8 \end{cases}$ $P[X > 3a] = \frac{1}{3}$ $\text{Med}[X] = 16$ $\frac{16}{27}$