

Probabilità e Statistica - 2 Luglio 2013

	C1	C2	C3	C4	E1	E2
F1	50	$\frac{14}{33}$	$\frac{16}{19}$	1.075	$P[X = 0] = P[X = 5] = \frac{1}{32},$ $P[X = 1] = P[X = 4] = \frac{5}{32},$ $P[X = 2] = P[X = 3] = \frac{5}{16}.$ $F(r) = \sum_{x \leq r} f(x)$ $E[X] = \frac{5}{2}$	$\bar{X}_n = 10, \quad S^2 = \frac{125}{2}$ $I_\mu = (6.73668; 13.26331)$ $\ell(I_\mu) = 6.52662$ $I_{\sigma^2} = (34.900; 138.16798)$
F2	63	$\frac{1}{22}$	$\frac{2}{3}$	1.175	$P[X = 0] = P[X = 4] = \frac{1}{16},$ $P[X = 1] = P[X = 3] = \frac{1}{4},$ $P[X = 2] = \frac{3}{8}.$ $F(r) = \sum_{x \leq r} f(x)$ $E[X] = 2$	$\bar{X}_n = 10, \quad S^2 = 110$ $I_\mu = (3.11771; 16.88228)$ $\ell(I_\mu) = 13.76456$ $I_{\sigma^2} = (60.02540; 263.48904)$
F3	137	$\frac{1}{11}$	$\frac{8}{13}$	1.275	$P[X = 0] = P[X = 5] = \frac{1}{32},$ $P[X = 1] = P[X = 4] = \frac{5}{32},$ $P[X = 2] = P[X = 3] = \frac{5}{16}.$ $F(r) = \sum_{x \leq r} f(x)$ $E[X] = \frac{5}{2}$	$\bar{X}_n = 10, \quad S^2 = \frac{125}{2}$ $I_\mu = (6.05955; 13.94044)$ $\ell(I_\mu) = 7.88090$ $I_{\sigma^2} = (38.10582; 120.95652)$
F4	116	$\frac{5}{33}$	$\frac{8}{11}$	0.975	$P[X = 0] = P[X = 4] = \frac{1}{16},$ $P[X = 1] = P[X = 3] = \frac{1}{4},$ $P[X = 2] = \frac{3}{8}.$ $F(r) = \sum_{x \leq r} f(x)$ $E[X] = 2$	$\bar{X}_n = 10, \quad S^2 = 110$ $I_\mu = (4.41129; 15.58870)$ $\ell(I_\mu) = 11.17741$ $I_{\sigma^2} = (53.96045; 315.52618)$