

Probabilità e Statistica - 19 Giugno 2012

| | C1 | C2 | C3 | C4 | E1 | E2 |
|----|---------|------------------|----|------------------|--|--|
| F1 | 0.40129 | $-\frac{27}{32}$ | 60 | $\frac{44}{25}$ | $\Theta = \frac{5}{6}\bar{X}_n$ Θ corretto $a = 1$ Θ preferibile | E, H non incompatibili $P(H) = \frac{1}{7}$ $P(E \cup H) = \frac{1}{4}$ $P(\bar{E} \bar{H}) = \frac{7}{8}$ $P(E H) + P(E \bar{H}) = \frac{1}{4}$ |
| F2 | 0.22663 | $-\frac{5}{32}$ | 60 | $\frac{56}{25}$ | $\Theta = \frac{5}{9}\bar{X}_n$ Θ corretto $a = 3$ Θ preferibile | E, H non incompatibili $P(H) = \frac{1}{4}$ $P(E \cup H) = \frac{2}{5}$ $P(\bar{E} \bar{H}) = \frac{4}{5}$ $P(E H) + P(E \bar{H}) = \frac{2}{5}$ |
| F3 | 0.18406 | $-\frac{3}{64}$ | 90 | $\frac{7}{50}$ | $\Theta = \frac{5}{12}\bar{X}_n$ Θ corretto $a = 2$ Θ preferibile | E, H non incompatibili $P(H) = \frac{1}{6}$ $P(E \cup H) = \frac{2}{7}$ $P(\bar{E} \bar{H}) = \frac{6}{7}$ $P(E H) + P(E \bar{H}) = \frac{2}{7}$ |
| F4 | 0.25785 | $-\frac{9}{32}$ | 30 | $\frac{11}{100}$ | $\Theta = \frac{5}{18}\bar{X}_n$ Θ corretto $a = 1$ Θ preferibile | E, H non incompatibili $P(H) = \frac{1}{5}$ $P(E \cup H) = \frac{1}{3}$ $P(\bar{E} \bar{H}) = \frac{5}{6}$ $P(E H) + P(E \bar{H}) = \frac{1}{3}$ |