

*grometrica x~seo(p)

P(x=k) = p(1-p) & prob. nucl mr. Insuccess pâna la succes

extragori bune dim ma

FARA RETURNARE 2 eulori

VALORI APROXIMATE

x, -, xm-date datistice

Xm = - (X++ - + Xm) = oral, medie de nelucire

Som aboter sandard aproximata = 152

mm = 1 5 (XA-Xm) = val morn. control

diselectic, consistent of nervianta

function di reportifice empirica

Tm(x) = # {ie {1, --, m}: x, < x}

mudiplacet in consistent pt F(x)

consistent: g(x, -xm) a.5,0 mediplasat: E(g(x1,-,xm)) = 0

INTERVALE DE ÎNCREDERE

* pt. medic camd V(x) = 62 cumosal

mediplacent & consistent ptimedic (Xm - 5 . 2, -5, Xm + 5 . 2, -5) bilatoral

5m = 1 \sum (x_A - x_m) = val. variante de relictio (- 00, x_m - \frac{6}{1m} \cdot 2a) sou (\frac{7m}{7m} - \frac{5}{2a} \sum 2nulatoral unde atomiot nommification 1-a-smir incredure

(1xm - 5m · t,-x, xm + 5m · t,-x) bilderal

(-0, xm - 5m · tx) 5au (xm - 5m · t,-x,0)

undatoral

undatoral * pt. mudic camp v(x) = 6 a mecumescut

* pt varianto

(0, m-1.52) sam (m-1.52,00) (1-2 · Sm, m-1 · Sm) bildowl

cell 2 componente don pun j man pede liecon dim * of abovered Hamdwird e can it of the representations unde 5m2 - varianta

> * test of media (m) cand o = V(x) cumbscut TESTE STATISTICE 2= xm -(mo) -> profficati daca m: --

Macc. 4, 12/ < 2,-3 conclusi Ho = m = mo H1:m =mo H,: m < mp Ho: mzmo まくる H : m>mo Ho: m &mo

* test of media (m) cand 62 = V(x) nucum oscut ally a rusping to ai or to the t= xm - mo > conclusi ca rus, dare pun t'm
boc de 2 persetet (pp la mantic)

* test pt. abatery standard 5 = JVIN c= m-1. (3m) -> varianta 5m-obater standard Total statistica (novi con douce 600-1

6.01-8	12 CYC	+ Cx < C < C - 2
H.: 6×60	= 0	H : 6 = 60

t= timer(a, m) > und m=notepantion-1

2d = motiminar (d,o,1)

METODE

METODA MOMENTELOR

METODA VEROSIMILITATII MAXIME

$$L(X, \theta) = \frac{2}{11} \int_{0}^{1} (X_{i}^{2}, \theta) / \ln Q^{2}(I) \theta = 0$$

$$= \sum_{i=1}^{n} \frac{\partial \ln Q(X_{i}^{2}, \theta)}{\partial \theta} = 0$$

(x)-f. de demaitate (pe cas discret e un tabel) F(x)-g. de reportible - Îgitidt (pe ear disercite suma) aumulatino) = F(x)= 0 + x<a f(x) = (F(x))" = 14x>6 lim Fix)=0, lim Fix)=1, e cont. la dreapla limf(x)= F(a) suma tuturor e 160 g g(t) dt = 1 (4° pe cas discretal 2 $E(x) = val, medic = \int x \cdot f(x) dx$ > 90 cas discret [k.P(x=k) bancally $E(x^2) = \int x^2 \cdot f(x) dx$ $V(x) = E(x^2) - E^2(x)$ variantal dispersie = 6 ! o - abatere/deviatie standard varianta = abatera 2 = abatera = travianto Y(ax+b) = a v(x) fa, b = R proprietall als les p BASICS 2 P(ANB) = P(A) -P(AOB) ACB=> P(A) & P(B) P(AUB) = P(A)+P(B) - P(AOB)! P(A n B) = P(A) · P(B) doca A, B ? moleperoderate P(AIB) = P(AnB) pe cas continues: P(x=a) = 0 ta EPR perm. cu rupetite: m.l. m.l. m.l. m-mr. diede distincte Cm+ R-1 = (m+k-1): roulari nº bila ME returnata: mo-bile de ad. Az-extr. de cultarea i , m-extrageri Chi. Cha. - Chr Cm1+m2+-+m2 cu rut doca am probabilitati:

Rio Rio Rio Pin Pr gricary LITHM X1+-+Xm a.s m (under m= E(XP)) BAYES P(E) = E P(E/H). P(H) unde H; - partitie P(HIE) = P(EIH) . PIH) P(E) >de sus

PT. DISCRETE

* X ~ Umid (m) discreta uniforma

* Bernoulli (p), p ∈ (0,1)

* Bimo (m,p) 7 adica XN(g) P(x=k) = Cm Pk (1-p) Cu RETURNARE

2 culori

mr. de nuccese din m extraggi

* hipergeometrica (m, m, ma) maruneari

FARA RETURNARE 2 culori

PT. CONTINUE

* unif [a, b]
$$S(x) = \int_{b-a}^{\perp} x \in [a, b]$$

$$[o, altsel]$$

* exp(2) media = = $f(x) = \int 2e^{-\lambda x}, x>0$

* mormala (µ, 02)

L) varianta

media 121 (x)= 1 exp(-(x-M))
akae^

"geometrica x ~ 6eo(p) P(x=k)=p(1-p) & prob. much mr. Insuccese parsa la succes