Стахостическое донинирование

Принитие решений в условиета риска.

Kanegos anomerhamube combemenbyen necomoroe nochegosbue



Com me shaem saxon paon pegenerum curad kão ben-tos, no nou nouruemem pembruel momoen boonontsobatocil charcoconvectum gometurobatuem.

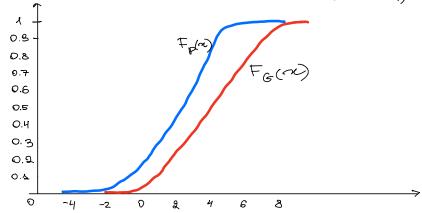
 $P \in \mathbf{P} \longrightarrow F_{p}(a) - \varphi_{-} \varphi$ pacnpegentreul Lux-bo besoilmedocheck pacnpegenerus rausurument np-be.

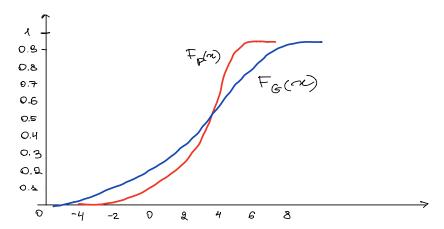
 $S_{p}(n) = 1 - F_{p}(n)$ $I_{gon. op-u}$ pacne-u (op-u) majorenocmu) P, 6 = P

Com zagoura gla racnp-e PuG, mo:

definition when conaxormy vector gount upobature 1-20 noping to I roga $P \subseteq 1, T$ G, even $F_{p}(x) \ge F_{g}(x)$ $\forall x \in R$. (paenp. G gount up yet P) (notions)

where we characterize the gountly obtaine s-to noting to def \mathbb{T} poga: $P \subseteq 1$, \mathbb{T} $G := Sp(x) \subseteq SG(x)$ $\forall x \in \mathbb{R}$ (4861 mP4)





de une me une coma comune goulle upobarrue k-20 nopugka I-20 poga $P = k_3 I G \leftarrow F_p^{(k)}(x) \geqslant F_p^{(k)}(x) \qquad \forall x \in \mathbb{R}$ $\text{rge} \qquad F^{(k)}(x) = \int_{-\infty}^{\infty} F^{(k-1)}(t) dt; \quad k = 2,3...$

def unicem meeno conaroconvueeroe gouverupobarrue k-no nopregra I-20 poga $P = k, I G := S_P^{(k)}(x) = S_G^{(k)}(x) + x \in \mathbb{R}$ $\text{rge} \quad S^{(k)}(x) = \int_{-\infty}^{\infty} S^{(k-1)}(t) dt \; ; \; k = 2, 3...$

York (yon-e 3 ap-3 Fu S k-20 nopegka)

] X-c.b. c op.p. Fp; PEP; 3 M([x+1] < > => LNOW, ome.

4mB

Cenu ban. Scholue gower. 2-20 hopegra mo u 2-20,... $P \leq_{2,T} G \Rightarrow P \leq_{2,T} G \Rightarrow P \leq_{2,T} G \Rightarrow \dots$ $P \leq_{4,T} G \Rightarrow P \leq_{2,T} G \Rightarrow P \leq_{3,T} G \Rightarrow \dots$

Nouse

$$P$$
 $X \circ 2$
 $P = \frac{1}{2}$
 $P = 1$
 P

Теория отсидаемого попезности (Неблан Моргенитерн)

попезность денег кепинийна

Bagana o comparcobanno konnekum

Anomerranuba	Cocmoakeel		orego	
	YLPAGUT	P_1=0.001	He YKPagyT	P2 = 0.999
Страховать	W- (kancges	- 500 (203)	W - 50	б
Не страливобь	W —		W	

Ma

	Coemogneur Pego		
Anomerhamubo	VKPOLGYT	He yepagyt	
	P1 = 0.001	P2 = 0.899	
Creaxoloss	5QO	909	
He esparabous	10 000	0	

Oncugacuse nomery: 500 (oranobra)

Mis comerus nomeru: 10

conoctabriller shoultere nonezhocmu uczega.

Aux ranegors anomerrarelos bonues. oneugaeury nones nocos. (marc. oneug. non-mo)

J. Nomerous:
$$L = \langle P_1, \alpha_1, ..., P_n, \alpha_n \rangle$$
 X-box share, control.

(ucross) exercise

(ucrogo) parestra unancembo habora traz, n ru neurulmum penneurum o batore unancem temb nongren e sagantido ser-moro.

 $\{\alpha_i\}_{i=0}^n$ - we be unagob — normail 2P. Recobinethan cosative

- 1) Borrongerman nomeren: 3 i € [13..., n]: Pi = 1
- 2) Pabubbepoamuse ucxogs: $n=2 \rightarrow \langle p, \alpha_1, (1-p), \alpha_2 \rangle \rightarrow \langle \alpha_1, p, \alpha_2 \rangle$ $P = \frac{1}{2} \rightarrow \langle \alpha_1, \alpha_2 \rangle$

• PEOP N-HO

L₁ ≥ L₂ → L₁ ≥ L₂ . annu cum.

Отношение строгого предпочтения — бин. отн-е сильного поредка

(T.R. . TPOURS.

· accuull.

Omnowehue Despasament (manop-ru) - Trans. - omnowehuse Frank.

LINL2

CUMN.

ALEUDINO TON

- 1. Πολκοτεί: \forall gla ucxoga crabhemus no negnoumenuso $(\alpha_1 > \alpha_2) \lor (\alpha_1 < \alpha_2); [(\alpha_1 > \alpha_2) \land (\alpha_1 < \alpha_2)]$ T.e. $(\alpha_1 \sim \alpha_2)$
- 2. Transumubhocmu (coemonmenbhocmu): $(\alpha_1 > \alpha_2) \wedge (\alpha_2 > \alpha_3) \rightarrow \alpha_1 > \alpha_3$ $(b_1 > b_2) \wedge (b_2 > b_3) \rightarrow b_1 > b_3$