## Moment Cileran Forkisson (1)

X rostycle depisterinin Sitir commodul

representations the sarlamenta unament cultures fortuna

Kalloniler

plantik yapunlak tanksigan kullanlarak yesi parksiyan elde editor. Elde edilen formingenden momenter hesoplanin

Touring X rastgete bur Lapinhen ve t parametre

Mx (t)= Seexit P(xi) Kerikli P.D.

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Sextf(x) dx Sarchi P.D.

My(+) yerine bunder some MK+) kullandocaktir

= L(1) (0-1) 1 = h

## Moment gitaren fenkrismun Dae Hitler

Moment allows for Estiman A. Hiremade too

Konsisa

$$M'(t=0) = \frac{d(M(t))}{dt}\Big|_{t=0} = E(X) = M$$
 $M''(t=0) = \frac{d^2(M(t))}{dt^2}\Big|_{t=0} = E(X^2)$ 

M(+)= E(e+)= = etx. (0,15) = et. onste (0,15) + et(0,15) + et(0,15)

$$M(t) = 0.25(1+e^{2t}+e^{2t}) + (4) = \mu'(0) = 1.5$$

$$M'(t) = 0.25(e^{t}+e^{2t}+3e^{3t}) + (4) = \mu'(0) = 1.5$$

$$\mu''(t) = 0.15(e^{t}+4e^{2t}+3e^{3t}) + (x^2) = \mu''(0) = 3.5$$

$$\mu'''(t) = 0.15(e^{t}+8e^{2t}+27e^{3t}) + (x^3) = \mu''(0) = 3.5$$

$$\mu''''(t) = 0.25(e^{t}+8e^{2t}+27e^{3t}) + (x^3) = \mu''(0) = 3.5$$

Orner ! FLA = 9 xe-x OEX Varyansi Inlunus ( Women't coleron forksisan yoluite) a) MU) = E(etx) = Setxxexx = Sxell-1xdx D= x dv= eltaldx -> dx= dm 11 - Ndy V = 1 e (+1)x / - 5 1 e (+1)x dx -tel (in x.e(+1) x >0 M(t) = - (+1.6+1).0(+1) M(+)= 1 - 0 = 1 + 1 MIH)=[(+-112] = -2 (1) = M'(0) = 2= E(X)=M M"(+) = 6 (+1) 1 M"(0) = 6 = E (+2) York = E(x2) - [E(x1)] 2 - 6 - 22 = 2

02015k 2 X Particle Lagislation moment Citaron Forkiryong Mills oban, or reb 1825+ wir soys shock steek Yearth degriberin moment albren forkeryong M,(+) = E(e++) = E[e+(ax+6)] = e++ (e\*x+) = e++ Mx(a+)

Brelke J

Moment enterer fanksigenter tekstrike rostpoke dopishen burnerst albaran tanksiganlar, oyn The La definitelyvar Landon ogrider

Markov Esstsetter

X lastpele deporterion plastic forktioner williams budgestona on Ofamilian horostanda kullanta

Toolow

X70 c solft hervey P(X7C) < E(X) -> Morlow establish

Orner: X ber soon tryotroporda rostpele socilise governous yesterni parter routgele Lopphendir. Bu dépitéen addaman ettern se uranjungosinn exet of olma obsiling nedary

P(X>17) < 515 =01)2 Bu obsilie and doron droider. An Morkov east six lipinan zait yorklar. pholyshar estillation kullandon

(5) Chebysha Essteration K >1 bir ver setinin ordolandan k sarma walden doks proligion deser deperters sion to an 7725 -> 1-1=01752P X = 11 - 1 - 1 = = = 0,88 LF Terrem X, ortolows M varyons 52 olan napolis show depertor stan se tor double depitimina antispo blugg belinen estgele bir depighen ise 400 lain P(1X-M= 8.0) < 1 Sireh 2 1/1- 1/2 Per sing but spreachers totation down not ortale-To we standart someth ise. 58 The 82 aroundary not olan opprention of on en at water? B(X-M/K+2)21-1 P( 516x 282) = P(58-70 2 x 282-70) = P(1x-701612)=1-100 KJ=12 = P(|X-701612)7,1-1 12.24= 12 P(1x-70/< 12) 7 = = = 029

K=3

Buyth Soylar Konunn (6)

Zoylf boylar Konunn dorse biliser

tooren en wich kullimen is hetrith too enformtender

Teoren

X1, tr, ..., xn now Dofilmler oyn;

X1+x2.... + xn

N

Oltolower bilinere sir yrfinder golden direktehr

born gogs of third dipida direk distolom yigin

ortolomona yaklassantir. Ezo ve got havin

fin p(|X-M|ZE)=1 K bir soyl ise

Now

Yeya

lim p(|X-M|ZE)=0

Now

15(0t) I = X1+X1+... + xn M

Saruz.

$$f(x) = \begin{cases} f(x) & 0 \le x \le 1 \\ 0 & 0 \le x \le 1 \end{cases}$$

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