EE379K (Data Science Lab) – Lab #2 Written Questions

	Z~N(4,02)
	$Z_{\text{avg}} = \frac{1}{\Omega} \sum_{i} Z_{i} = \frac{1}{\Omega} (z_{i} + \theta + z_{i})$
	0 5=1
(0)	2~N(0,1), n=10,000
3000	S= \$Z,+Z2+···+ Z10,000
	$Z_{\text{ovg}} = \frac{1}{\Omega} S$ (1000)
	$Z_{avg} = \frac{1}{n}S$ $P(Z_{avg} > 0.1) = P(X \le 1000)$
	na Jan
	& Mz= 0 → nMz= 0
	o2=1 → no2=10000
	X= 5-0 = 5
	10000 100
	B1-P(x≤1000)=1- (10) 20 = P(zong > 0.1)
	P(zang>0.01)=P(x>100)=1-P(xx100)=1-\$\(\infty\)=0.1587=P(zang>0.01)
	P(zoug > 0.001)=P(x >10)=1-P(x x 10)=1-\$\overline{D}\$,4(02=P(zoug > 0.001)
C	5) Z~ (U(4,02), n=n
	$\frac{X - 2 - 0\pi^2}{\sqrt{100^2}} = \frac{100^2}{\sqrt{100^2}} = \frac{100}{\sqrt{100^2}} = $
	1002 Via 100 Map 1004
	P(zong-470-13) & P(-1-x-470-13) = P(x70(0-13+4))
	$= 1 - \overline{\pm} \left(\frac{\gamma(\sigma_1, \sigma_2)}{\gamma(\sigma_2, \sigma_2)} \right) = 1 - \overline{\pm} \left(\frac{\gamma(\sigma_2)}{\gamma(\sigma_2)} \right)$
	P(zong-M70-1/2)= 1-20(0/2)
-	P(zong-N> n-2/3) = 1- I(n/3)
+	L'ang M

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2	min + 2 (x, B-y,)2 = Min + Exi2B - 2xy B + y, 2
	A = (x) 2
	$\alpha $ $\beta = \frac{2}{n} \sum_{i} \sum_{j} x_{i} y_{j}$
	C= -n y2
	<i>f</i> .
	1) 0B - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0
	b) $\frac{\partial B}{\partial x} = 0 = 2AB + B = 0 \Rightarrow B = \frac{B}{2A} = \frac{-2x_2}{2x_2}$
	$\frac{-\sum X_i Y_i}{\sum X_i X_i} = \sum \frac{\sum X_i (X_i B + C)}{\sum X_i X_i} = \sum \frac{ A }{\sum X_i} = \sum \frac{ A }{\sum X_i} = \sum \frac{ A }{$
	=> B + \(\frac{2}{5}\times_{\text{X}} = 0
1	21
	B=15+ Ze = B+ \(\frac{2}{5}\) = B+ \(\frac{2}{5}\) = B \(\frac{2}5\) = B \(\frac{2}5\) = B \(\frac{2}\) = B \(\frac{2}5\) = B
	Kiew e is PXI B+ XI= Z= X7 X 15 Column PXI Z= Z= X7 TXI
	heer of IXP x PxI = 1 x1
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