長庚大學期中、期末考試答案用紙

· 10 學年度第二學期末考 页 工 系 姓名 訊裝 學號 B07-9023

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(a) $E(\hat{p}) = E(\frac{x}{n}) = \frac{1}{h} \cdot h \cdot p = p$ (b) $Var(\hat{p}) = Var(\frac{x}{n}) = \frac{1}{h} \cdot h \cdot p = p$ (c) $\hat{p} = \frac{60}{100} = 0.6$ (d) $\hat{p} = \frac{60}{100} = 0.6$ (e) $\hat{p} = \frac{60}{100} = 0.6$ (f) $\hat{p} = \frac{60}{100} = 0.6$

0150398 < P < 0.69607 *

61) - 7 0.6-1.64 (0.640.4) 100
100

1015,1966 < p < 0.68 034

(b) se-norm. s+ (10, loc=13, scale % > = 0.95 = 0.05 = \$7.01 14

(3) (c) 1/4 = 60(4) p = 2 = 0 (60 (00, 0.6)

import scipy stats as st #1 0.04

n=100 p=0.6 n=5t.かnom.edf(60, p+p) n=0+53分20,05 >57解炎 (請朝面繼續作答)