AP Statistics 8.2 assignment By Noah Overcash Pg. 496-498 35,37,41,43,47,49-52 Part A p= 2105 = 0.1929=19.29 % austion 35 $o_p = \sqrt{\frac{p(1-p)}{1}} = \sqrt{\frac{0.1929 \cdot 0.8071}{10904}} = 0.00378$ a=1-0.99=0.01 $p^* = 1 - \frac{0.01}{2} = 0.995$ 2=±2.58 ME=2.58°0=0.00975 Considera Faterral = 0.1832 LPL 0.2026 The interval extabilitied in Part A Grovs that Part B me ac 99 % confident that O. 1832 LP L 0.2026. p= 0.25 isoutside Shir internal. Westlon 37 Sampling eccorsi Solo Elon Dias

Morcesporse blas Response Bins Oustlan 41 Part A The Sample is volvatory. Therefores the candonness requirement Es create o confidence interval to not mets. As such, no margin of luge un de calculabed. Part B No-the confidence internal and margh of exor ver calculated vader false pre bersen. Quelon 43 ME= 2.58. [0.25.0.75 = 0.03 $\sqrt{n} = 2.58.\sqrt{0.25} \cdot \sqrt{0.75} \cdot \sqrt{0.03} = 37.24$ $\Lambda = |386.75|$

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