

HW 9

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7,8,11 23. page 432.

page 416:

7. skewness, outliers.

8. paired.

9. independent.

10. $n_1 - 1$ and $n_2 - 1$.

11. False.

12. True.

13. False.

14. True.

page 432: 7. Independent

8. two, 10.

11. True.

12. False.

23. $\hat{p}_1 = \frac{254}{973} = 0.261, \hat{p}_2 = \frac{95}{847} = 0.112$.

The CI is:

$$0.261 - 0.112 \pm 1.645 \sqrt{\frac{0.261 \cdot 0.739}{973} + \frac{0.112 \cdot 0.888}{847}} = 0.149 \pm 0.029 = (0.120, 0.178).$$

No. The CI does not contradict the claim as 0.15 is included in the CI.