

Week 6 Wednesday

Statistical Inference Continued

1. It is believed that 8% of children are nearsighted. In a simple random sample of 194 children, 21 were found to be nearsighted.

- (a) Calculate and interpret a 90% confidence interval for the true percentage of children who are nearsighted.
- (b) Calculate and interpret a p-value for the data under the hypothesis that 8% of children are nearsighted.

2. Talk with your neighbors about the two articles you read for today. Discuss what salient points you came up with from the reading (eg, the ones you submitted as a part of your CC), and try to consolidate and combine your lists!