

10/26/09 Biostat Homework

1. If $\sigma = 5$ and we want a 95% CI for μ with $M = \pm 5$, then what sample size should be used?
2. Last season, the average corn yield was 120 bushels per acre with a standard deviation of 10 bushels per acre. How large a sample is required to estimate this year's average yield to within 4 bushels per acre with 90% confidence?
3. Give CI's for population variance in Ch. 4 problems 2,4,7,9
4. Ch. 4: 19
5. If we've done population proportions (4.5): Ch. 4: 11,12,13,20,21 (for 21, use $\hat{p} = .5$ and $\hat{p} = .8$)