

History 595: Quantitative Analysis of Historical Data

Third Short Assignment, due Monday, Feb 13, 2 PM in electronic form to margo@uwm.edu and on paper in class.

Look at the statistical output from the Simon dataset on the class web site that you used for last week's assignment, margoanderson.org/595/OUTPUT.ppt, and answer the following questions.

1. Calculate the Z score for a 2000 square foot house for each of the three neighborhoods. (The formula for a Z score is listed in the front inside cover of Agresti, and discussed on p. 30.)
2. If the distribution of the sizes of the houses in the three neighborhoods could be characterized as a normal curve, using the Z table in the back of the text (Table A) calculate the proportion of houses that are 2000 square feet or larger. See pp. 75-78 in the text for how to do this. Also review the Against All Odds segment no. 8.
3. Now look at the quartile proportion results from the Output and compare with the proportions you got from the Z score calculations for the three neighborhoods. For each neighborhood, explain which would be the best way to report the shape of the distribution. Why have you decided as you have?