

History 595: Assignment 5

Due Monday, February 26, 2 PM in electronic form to margo@uwm.edu and on paper in class.

Part I:

1. Using the mean and standard deviation figures from Against All Odds Episode 8, calculate the z score for your height.

2. A student who has not taken History 595 has come to you with a question. The student says she has read an article in a history course that says that the average height of an adult male in the United States has increased from 66.9 inches in 1900 to 70 inches today. She says the article says that the distribution of heights is approximately normal in both years, and that the standard deviation in mean height in both years was 3.5 inches. Explain to her what these statements mean. By way of example, tell her your estimate of the proportion of American men who were six feet tall (72 inches) in both years and show her the equation you used to do it.

3. The average lot size for buildings in the 18th ward was ___ square feet.

4. The average lot size for buildings on the Northwest side was ___ square feet.

5. The average lot size for buildings in the 14th ward was ___ square feet.

T/F

1. One street car line that passed through the 18th ward had a terminus in Whitefish Bay.

2. It was very common in the 18th ward to put a second house in the rear of the lot.

3. There was an orphanage and a hospital in the 18th ward at the turn of the twentieth century.

4. Most households that moved into a home in the 18th ward did not initially have flush toilets in the building.

5. Most of the household heads in Simon's sample of the 18th ward were renters.

Part II:

Calculate and report the mean building size from Simon's sample for the northwest side, the east side, and the south side (3 means). Now report the standard errors for each mean and decide whether these means are "statistically significantly" different from one another. See the class exercise on how to do this. Repeat this exercise with the persons variable.