Laboratory Activity 4 for Math 080: Topics from Chapter 2

Jordan C. Hanson

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1   Introduction

Please watch the video entitled "Quartile Percentile" on Moodle, and download a sample of US height data from the following website: `http://wiki.stat.ucla.edu/socr/index.php/SOCR_Data`. Under Population Data, download a sample of US adolescent heights.

2   Questions

1. Using LibreOffice Calc, or Excel, derive the Q1-Q4 ranges of the data sample. Make sure you have a large enough sample, meaning $N > 100$. Record your answers here.

2. Using LibreOffice Calc, or Excel, derive the 10th percentile and the 90th percentile.

3. Insert the height 71.0 inches into your data set, and sort the data in ascending order.

4. In what percentile is the height 71 inches?