Applied Statistics for Health Care Profession ( HLT 362V)

**Paper details:**

Statistical application and the interpretation of data is important in health care. Review the statistical concepts covered in this topic. In a 750-1,000 word paper, discuss the significance of statistical application in health care. Include the following: Describe the application of statistics in health care. Specifically discuss its significance to quality, safety, health promotion, and leadership. Consider your organization or specialty area and how you utilize statistical knowledge. Discuss how you obtain statistical data, how statistical knowledge is used in day-to-day operations, and how you apply it or use it in decision making. Three peer-reviewed, scholarly, or professional references are required. Prepare this assignment according to the guidelines found in the APA Style Guide, located in the Student Success Center. An abstract is not required. This assignment uses a rubric. Please review the rubric prior to beginning the assignment to become familiar with the expectations for successful completion. You are required to submit this assignment to LopesWrite. Refer to the LopesWrite Technical Support articles for assistance. Similarity must be under 10% Study Materials: Read "Introduction," and watch the associated videos by Lane, Hebl, Osherson, and Zeimer, from Online Statistics Education: An Interactive Multimedia Course of Study. URL: http://onlinestatbook.com/2/introduction/introduction.html Refer to the "Visual Learner: Statistics" to learn more about the statistical calculations presented in this topic. URL: http://lc.gcumedia.com/hlt362v/the-visual-learner/the-visual-learner-v2.1.html Read "Nominal, Ordinal, Interval Ratio: Examples," by Stephanie (2014), located on the Statistics How To website. URL: https://www.statisticshowto.datasciencecentral.com/nominal-ordinal-interval-ratio/ Read "Fundamentals of Statistics 1: Basic Concepts:: Nominal, Ordinal, Interval, and Ratio," located on the Usable Stats website. URL: http://www.usablestats.com/lessons/noir Explore the Health Statistics page of the MedlinePlus website. URL: https://medlineplus.gov/healthstatistics.html Read "Nominal, Ordinal, Interval Ratio: Examples," by Stephanie (2014), located on the Statistics How To website. URL: https://www.statisticshowto.datasciencecentral.com/nominal-ordinal-interval-ratio/ Read "Fundamentals of Statistics 1: Basic Concepts:: Nominal, Ordinal, Interval, and Ratio," located on the Usable Stats website. URL: http://www.usablestats.com/lessons/noir Explore the Health Statistics page of the MedlinePlus website. URL: https://medlineplus.gov/healthstatistics.html Read "Evidence-Based Practice for Nursing: Levels of Evidence," located on the Northern Virginia Community College website. URL: <https://libguides.nvcc.edu/c.php?g=361218&p=2439383> Read "Chapter 3.1: Variables," by Wright and Lake, from Basics of Research for the Health Professions. URL: http://www.pt.armstrong.edu/wright/hlpr/text/3.1.variables.htm#sum Read "Measuring the Quality of Healthcare in the U.S.," by Claxton, Cox, Gonzales, Kamal, and Levitt (2015), located on the Peterson-Kaiser Health System Tracker website. URL: https://www.healthsystemtracker.org/brief/measuring-the-quality-of-healthcare-in-the-u-s/#item-start Read "Quality Data Critical to Healthcare Decision-Making," by Nicholson and Penney (2004), located on the American Health Information Management Association (AHIMA) website. URL: <http://library.ahima.org/doc?oid=106428#.XHmI_KB7mUk> Explore the Data and Statistics page of the Centers for Disease Control and Prevention (CDC) website. URL: https://www.cdc.gov/datastatistics/index.html Explore Health page of the United States Census Bureau website. URL: https://www.census.gov/topics/health.html Explore the Health Statistics page of the MedlinePlus website. URL: https://medlineplus.gov/healthstatistics.html