*Posted by   Nikola Lakic  at Wednesday, July 5, 2017 11:03:06 AM*

Course

NUR 600 / MAt 582 combination Biostats course for Nursing and Math depts

Level

Graduate students at Lehman college

Learning Goals

1. Knowledge & Conceptual Understanding

I would like to develop several examples to introduce my students into QR and what comes up next in our course. These examples will be relatively simple and unrelated to biostatistics but will show students what kind of approach they should take when we start doing statistics.
Students will understand the process of learning different types of reading data, featuring graphics comparing quantitative to reasoning component

2. Thinking skills

My second goal is to find more quantitative approach that is related to Nursing applications. I will explain to my students who already work as nurses how to get nice examples where they can apply statistics. Students will be presented with several ways of collecting data and with an emphasis of quantitative component in selecting data elements. For example, instead of yes or no for pain as a side effect, they will collect the level of pain from 0 to 10 using a common pain scale chart. This will unable us to use several other statistical methods besides the chi square that is used when only yes/no data elements are collected

3. Attitudes/ values/ mental habits

By learning how to better collect data and by exposing students to other statistical methods available to deal with a more advanced data that they collected, students will gain confidence to start their independent research in nursing.   Students will collect data during the semester and will perform statistical testing on collected data. They will end up with a template that they can use in possible future applications.