

ANALYZING DATA FOR FALLS KNOWLEDGE TEST (FKT).

1. If you can, match pre- and post- tests based on PIN numbers

2. Coding items for correct and wrong answers. We are interested in correct, wrong, and no response. "T" and "F" are sometimes the right and sometimes the erroneous responses. There are 2 coding options, 1 and 0. We are combining the right "Ts" and "Fs" into correct, which is coded 1 and the erroneous "Ts" and "Fs" into wrong which is coded 0. Missing data will be just that, "missing data."

You can enter "0's" and "1's" directly into the excel file. Then calculate the average% correct by person and by question using the excel formula for "Average".

If you have matched pairs, you can run a t-test in Excel. Here is one link re: how to do this - <https://www.excel-easy.com/examples/t-test.html>

Optional steps

3. Current Confidence to prevent patients from falling or helping others prevent patients from falling. No coding needed. Raw number is the value.

4. Demographic variables.

Gender. Female = 1, Male = 2.

Age. No coding needed. Raw number is the value.

Highest nursing degree. Diploma = 1, AS/AD = 2, BS/BSN = 3, MS/MSN = 4, DNP/PhD/DNSc = 5.

Working on degree. BS/BSN = 1, MS/MSN = 2, DNP/PhD/DNSc = 3, non-nursing = 4.

Number of years employed at current hospital. No coding needed. Raw number is the value.

Number of hours worked in a typical week. No coding needed. Raw number is the value.

Typical shift rotation schedule. All = 1, eves = 2, nights = 3, D/E = 4, D/N = 5, days = 6, 7A-7P = 7, 7P-7A = 8.

Typical weekly schedule. Weekend/holiday = 1, M-F = 2, rotate = 3.

Current position. Direct care = 1, L/M/E = 2, other = 3. Keep a list of "others" along with that person's pin in the data entry file.

5. Current ability to prevent patients from falling as compared with peers or ability help staff prevent patients from falling. Above = 1, average = 2, below = 3.