Variables and Levels of Measurement

**Define** the IV and DV and level of measurement in the following examples.

Specifically **note** whether the variables are nominal, ordinal, interval, or ratio along with IV and DV, using the following table.

| Example | IV | DV | Levels of Measurement  Nominal, Ordinal, Interval, Ratio |
| --- | --- | --- | --- |
| What is the difference between PTSD avoidance symptom severity post scores of critical illness survivors who receive nurse-initiated diaries during hospitalization and critical illness survivors who do not receive nurse-initiated diaries during hospitalization at a large military medical center in the Pacific Region? |  |  | IV=  DV= |
| Do males and females differ on their level of math anxiety? |  |  | IV=  DV= |
| There is no significant difference among students who manifests high, moderate, and low achievement motivation with regards to their mathematics performance. |  |  | IV=  DV= |
| Gender has no significant influence on students' achievement motivation and attitude with regards to their Mathematics performance. |  |  | IV=  DV= |
| To what extent does an administrator’s knowledge of eminent domain law contribute to his or her use of eminent domain for economic development? |  |  | IV=  DV= |
| People who are clinically depressed will have different sleep patterns than those who are not clinically depressed. |  |  | IV=  DV= |
| In routine office work, the introduction of a four-day work week will lead to higher productivity among millennials. |  |  | IV=  DV= |
| Does weight and blood pressure affect sleep efficiency in elder adults? |  |  | IV=  DV= |
| Does Melatonin 1 mg and Melatonin 5 mg have the same effect on sleep patterns in HIV-positive individuals? |  |  | IV=  DV= |
| Is teacher effectiveness, as a measure of professionalism, higher for schools that have implemented sustained Professional Learning Communities (PLCs) than those schools that have not implemented sustained PLCs? |  |  | IV=  DV= |