Project 2

1. Check the data
2. Classify the diagnosis to musculoskeletal and cancer-related pain
3. Classify the cities in black as “air attacks” vs. the rest “active war”
4. Find the best way to model the time-related fluctuations of pain and depression. Test whether pain (VAS) and depression (PHQ-9) increased over time. (visualization, effect sizes and report)
5. Test the association between depression and pain levels. Does the association depend on time point. If yes, how?
6. Does age, and the variables in columns G, I, J (sheet pain) moderate the time trajectory of pain levels and depression? If yes, how?
7. Does the war status ("air attacks” vs “active war”( and diagnosis (musculoskeletal vs. cancer-related pain) moderate the time trajectory of pain levels and depression? If yes, how?

**Final Project additions**

1. The sheet named “Analgetics” presents the data about changes in medication over a period of 300 days. Find the best way to model the time-related fluctuations of the changes in analgesics. Does the analgesics usage increases over time? (visualization, effect sizes and report). Test points (6) and (7) regarding the analgesics.
2. Test the association between depression and pain levels (separately) with analgesics increase. Does the associations affected by: time period, columns G, I, J, war status ("air attacks” vs “active war”( or diagnosis (musculoskeletal vs. cancer-related pain)?

Important: pain sheet data was collected after 30 days of war follow-up