



3. Use Stata on `gss2012.dta` dataset and focus on variables `hrs1` and `tvhours` to evaluate whether, among employed Americans, there is a relationship between the number of hours spent working and the number of hours spent watching TV. Use 99% confidence level for this assessment. If such a relationship exists, please describe it substantively with regard to its strength and direction.

4. Use Stata to construct a scatterplot with a lowess curve for `hrs1` and `tvhours`. (include `hrs1` on the horizontal axis and `tvhours` on the vertical axis). Using this graph, discuss whether the relationship is or is not linear and explain why you see it that way.