# Stata Summer Series

## Stata 301 – Regression Analysis in Stata

*What you will get out of this session:*

* How do I run a simple regression in Stata and read the results?
* How can I output the regression results outside of Stata?
* What are some other regression models similar to the linear regress?

*Remember:* Regressions are a powerful tool. Try to understand the statistical assumptions that go into your regressions to ensure that your analysis is meaningful and accurate. Even if the program runs without errors or crashing, your analysis could be wrongly suited to your data. You should be able to understand every component of the regression output in the results window.

*Regression commands*

* Regress
* Logit
* Probit
* Mlogit
* Ologit
* tobit
* xi: glm
* streg

*Helpful resources for regressions*

* Stata manual:
  + <https://www.stata.com/manuals13/rregress.pdf>
  + <https://www.stata.com/manuals13/rlogit.pdf>
  + Type “help command” for more manuals or google, e.g., “probit stata”
* UCLA IDRE Regression Handbook:
  + - <https://stats.idre.ucla.edu/stata/webbooks/reg/chapter1/regressionwith-statachapter-1-simple-and-multiple-regression/>

*Last class in the summer series:*

* Stata 302 – **Additional Topics in Regression Analysis** **– Time Series** (Friday, August 10, 2018 12:00 pm-1:30 pm, 6A)