

SOC 910: Assignment 4

Using **your own data set**, do Logistic Regression and Multinomial (or Ordered) Logit analyses.

1. Intro & Methods

- (a) Introduce your topic.
- (b) Discuss your data and the main research question.
- (c) Write a logistic regression equation and explain it.

2. Logit

- (a) Estimate logistic regression, report the logit estimates.
- (b) Convert them to odds ratio.
- (c) Discuss both logit estimates and odds ratio.
- (d) Report marginal effects and discuss them. You also can compute the expected probabilities. Try to compare them with the results of LPM.
- (e) Do another logistic regression analysis with interaction effects. There should be at least one interaction between two dummy variables and another interaction effect between a dummy (or a continuous)
- (f) Report marginal effects and discuss them.
- (g) Add graphs which show the interaction effects.

3. Multinomial/Ordered Logit

- (a) Estimate Multinomial/Ordered Logit models.
- (b) Report marginal effects and the expected probabilities.
- (c) Discuss the results.

Due date: March 22nd (Monday)