**Workshop on Quantitative Research**

May 25-27, 2016

9am-12pm and 2pm-5pm

May 25, 9am-12pm

Getting ready for quantitative research

* Overview of research design
* Causality
* Statistical software packages, Stata
* Data structure and sources
* Introduction and discussions on participants’ own research

May 25, 2pm-5pm

Multivariate linear regression

* Bivariate regression
* OLS estimation
* Hypothesis testing
* Coefficient interpretation and reporting

May 26, 9am-12pm

Multivariate linear regression

* OLS assumptions, violations, and remedies
* Interaction terms in OLS
* Coefficient interpretation

May 26, 2pm-5pm

Introduction to categorical dependent variable models

* Data structure
* Binary response models
* Logit vs. probit
* Coefficient interpretation
* Goodness of fit
* Multinomial models

May 27, 9am-12pm

Introduction to panel models

* Data structure
* Pooled OLS
* Fixed effect vs. random effect panel models
* Least Squares Dummy variable regression

May 27, 2pm-5pm

Wrap up

* Workshop summary
* General Q&As
* Individual project consultation