ECON 251 HOMEWORK SCHEDULE*

HOMEWORK	DATA	TOPICS COVERED	POSTED	DUE
PS#1	No dataset needed	 THEORY (STATISTICAL REVIEW): Properties of expected value, variance and covariance Properties of summations 	Week 1	Week 2
PS#2	WAGE2.dta	 EMPIRICAL: Using STATA for data analysis (sample mean, max, min & variable relations) THEORY (STATISTICAL REVIEW): Populations, samples; population mean estimators and properties 	Week 2	Week 4
PS#3	WAGE2.dta	EMPIRICAL: - Testing hypotheses about two population parameters THEORY (SIMPLE LINEAR REGRESSION): - Parameter interpretation - Algebra of OLS	Week 3	Week 5
PS#4	WAGE2.dta	 MULTIPLE LINEAR REGRESSION: - Parameter interpretation - Goodness of fit - Omitted variable bias - Algebra of OLS 	Week 5	Week 7
PS#5	BEAUTY.dta	MULTIPLE LINEAR REGRESSION WITH QUALITATIVE DATA: - MLR with a dummy variable - Models with interaction terms	Week 8	Week 10
PS#6	BEAUTY.dta	MULTIPLE LINEAR REGRESSION WITH QUALITATIVE DATA (CONTINUED): - Dummy variable regression - Testing hypotheses about more than one parameter	Week 9	Week 11
PS#7	TRAFIC2.dta CARD.dta	TIME SERIES MODELS: - Trends and seasonality - Omitted variable bias (time trend) FUNCTIONAL FORM: - Models in quadratics	Week 10	Week 12
PS#8	STAR.dta CARD.dta	RANDOM EXPERIEMENTS: - The TENNESSEE STAR project INSTRUMENTAL VARIABLE ESTIMATION: - Using near college as an IV for education	Week 11	Week 13

^{*}Dates are tentative and subject to change.