#delimit ";"

clear matrix;

clear;

set mem 10m;

set matsize 100;

\* Change directory where the data is stored in a folder titled "data". You will also need to create a folder titled "graphs" and "tables"

cd "CHANGE DIRECTORY HERE";

\* Upload data

insheet using "data\when\_in\_rome\_data.csv";

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*DROPPING SUBJECTS\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

/\* 2 subjects are dropped because subjid is missing\*/

/\* 1 subject from Belarus dropped because there is no tip or punctuality data for them\*/

/\* 2 subjects dropped because there is no ctry born information \*/

drop if subjid ==.;

rename born ctry\_born;

drop if ctry\_born ==".";

drop if ctry\_born == "Belarus";

gen missing = missing(rating);

bysort subjid: egen drop\_subject = max(missing);

drop if drop\_subject==1; // Drop subjects if they did not complete the entire survey

drop missing;

label define situation 1 "Punctuality" 2 "Tipping";

label values situation situation;

label define self 0 "matching task" 1 "personal opinion";

rename selfdummy self;

label values self self;

gen us\_born = ctry\_born=="USA";

gen OwnHomeMatch = .;

replace OwnHomeMatch = 1 if opimdummy==0;

replace OwnHomeMatch = 0 if opimdummy==1;

gen SubjectMatch = 1 if OwnHomeMatch==0;

replace SubjectMatch = 0 if missing(SubjectMatch);

gen NationalMatch = 1 if OwnHomeMatch==1;

replace NationalMatch = 0 if missing(NationalMatch);

replace action = "0" if action == "0%";

replace action = "0.05" if action == "5%";

replace action = "0.07" if action == "7%";

replace action = "0.1" if action == "10%";

replace action = "0.12" if action == "12%";

replace action = "0.15" if action == "15%";

replace action = "0.2" if action == "20%";

drop missingdata;

/\* More Data Analysis to Support Hypotheses \*/

gen task = "university" if SubjectMatch==1;

replace task = "national" if NationalMatch==1;

replace task = "personal" if SubjectMatch==0 & NationalMatch==0;

replace action = "10" if action == "ten\_early";

replace action = "5" if action == "five\_early";

replace action = "0" if action== "on\_time";

replace action = "-5" if action == "five\_late";

replace action = "-10" if action=="ten\_late";

replace action = "-20" if action=="twen\_late";

replace action = "-30" if action=="thirt\_late";

destring action, replace;

/\*Table Descriptive Statistics for the Sample\*/

tab ctry\_born if task=="national" & situation==1;

/\* Table Distribution of Appropriate Ratings – Tipping Vignette\*/

preserve;

keep if task == "university";

tab rating if situation == 2 & action == 0;

sum rating if situation == 2 & action == 0;

tab rating if situation == 2 & action == 0.05;

sum rating if situation == 2 & action == 0.05;

tab rating if situation == 2 & action == 0.07;

sum rating if situation == 2 & action == 0.07;

tab rating if situation == 2 & action == 0.10;

sum rating if situation == 2 & action == 0.10;

tab rating if situation == 2 & action == 0.12;

sum rating if situation == 2 & action == 0.12;

tab rating if situation == 2 & action == 0.15;

sum rating if situation == 2 & action == 0.15;

tab rating if situation == 2 & action == 0.2;

sum rating if situation == 2 & action == 0.2;

/\* Table Distribution of Appropriate Ratings – Puncuality Vignette\*/

tab rating if situation == 1 & action == 10;

sum rating if situation == 1 & action == 10;

tab rating if situation == 1 & action == 5;

sum rating if situation == 1 & action == 5;

tab rating if situation == 1 & action == 0;

sum rating if situation == 1 & action == 0;

tab rating if situation == 1 & action == -5;

sum rating if situation == 1 & action == -5;

tab rating if situation == 1 & action == -10;

sum rating if situation == 1 & action == -10;

tab rating if situation == 1 & action == -20;

sum rating if situation == 1 & action == -20;

tab rating if situation == 1 & action == -30;

sum rating if situation == 1 & action == -30;

restore;

/\* Analysis with pTip, uTip, nTip, pPuncual, uPunctual, nPunctual \*/

preserve;

quietly bysort subjid task situation: egen max\_rating = max(rating);

quietly gen indicator = rating == max\_rating;

quietly drop if indicator == 0;

quietly collapse (mean) action, by(subjid task situation ctry\_born us\_born);

quietly gen exante\_norm = .;

quietly replace exante\_norm = 0.12 if situation==2 & ctry\_born == "USA";

quietly replace exante\_norm = 0 if situation==2 & ctry\_born == "Arab Emerates";

quietly replace exante\_norm = 0.09 if situation==2 & ctry\_born == "Brazil";

quietly replace exante\_norm = 0.12 if situation==2 & ctry\_born == "Canada";

quietly replace exante\_norm = 0.12 if situation==2 & ctry\_born == "Cayman IS";

quietly replace exante\_norm = 0 if situation==2 & ctry\_born == "China";

quietly replace exante\_norm = 0.07 if situation==2 & ctry\_born == "Columbia";

quietly replace exante\_norm = 0.1 if situation==2 & ctry\_born == "Ecuadore";

quietly replace exante\_norm = 0.05 if situation==2 & ctry\_born == "France";

quietly replace exante\_norm = 0.02 if situation==2 & ctry\_born == "Germany";

quietly replace exante\_norm = 0.07 if situation==2 & ctry\_born == "India";

quietly replace exante\_norm = 0.02 if situation==2 & ctry\_born == "Kenya";

quietly replace exante\_norm = 0.07 if situation==2 & ctry\_born == "Peru";

quietly replace exante\_norm = 0.09 if situation==2 & ctry\_born == "Russia";

quietly replace exante\_norm = 0.1 if situation==2 & ctry\_born == "S. African";

quietly replace exante\_norm = 0 if situation==2 & ctry\_born == "Singapore";

quietly replace exante\_norm = 0.02 if situation==2 & ctry\_born == "Taiwan";

quietly replace exante\_norm = 0.09 if situation==2 & ctry\_born == "Turkey";

quietly replace exante\_norm = 0.045 if situation==2 & ctry\_born == "Uganda";

quietly replace exante\_norm = 0 if situation==1 & ctry\_born == "USA";

quietly replace exante\_norm = -1 if situation==1 & ctry\_born == "Arab Emerates";

quietly replace exante\_norm = -1 if situation==1 & ctry\_born == "Brazil";

quietly replace exante\_norm = 1 if situation==1 & ctry\_born == "Canada";

quietly replace exante\_norm = -1 if situation==1 & ctry\_born == "Cayman IS";

quietly replace exante\_norm = 1 if situation==1 & ctry\_born == "China";

quietly replace exante\_norm = -1 if situation==1 & ctry\_born == "Columbia";

quietly replace exante\_norm = -1 if situation==1 & ctry\_born == "Ecuadore";

quietly replace exante\_norm = 1 if situation==1 & ctry\_born == "France";

quietly replace exante\_norm = 1 if situation==1 & ctry\_born == "Germany";

quietly replace exante\_norm = -1 if situation==1 & ctry\_born == "India";

quietly replace exante\_norm = -1 if situation==1 & ctry\_born == "Kenya";

quietly replace exante\_norm = -1 if situation==1 & ctry\_born == "Peru";

quietly replace exante\_norm = -1 if situation==1 & ctry\_born == "Russia";

quietly replace exante\_norm = -1 if situation==1 & ctry\_born == "S. African";

quietly replace exante\_norm = 1 if situation==1 & ctry\_born == "Singapore";

quietly replace exante\_norm = 1 if situation==1 & ctry\_born == "Taiwan";

quietly replace exante\_norm = -1 if situation==1 & ctry\_born == "Turkey";

quietly replace exante\_norm = -1 if situation==1 & ctry\_born == "Uganda";

reshape wide action, i(subjid ctry\_born situation) j(task) string;

replace exante\_norm = exante\_norm \* 100 if situation==2;

replace actionpersonal = actionpersonal \* 100 if situation==2;

replace actionuniversity = actionuniversity \* 100 if situation==2;

replace actionnational = actionnational \* 100 if situation==2;

gen late = 1 if exante\_norm<=0 & situation==1;

replace late = 0 if exante\_norm>0 & situation==1;

/\* Hypothesis 1: Ratings from university-matching and personal ratings will differ \*/

/\* Table 2 \*/

ttest actionpersonal = actionuniversity if situation==2 & ctry\_born!="USA";

ttest actionpersonal = actionuniversity if situation==2 & ctry\_born=="USA";

/\* Table 3 \*/

ttest actionpersonal = actionuniversity if situation==1 & ctry\_born!="USA" & late==0;

ttest actionpersonal = actionuniversity if situation==1 & ctry\_born!="USA" & late==1;

/\* Hypothesis 2: US-to-US ratings will differ from F-to-F ratings \*/

ttest actionnational if situation==2, by(us\_born);

ttest actionnational if situation==1, by(us\_born);

ttest actionnational if situation==1 & late==1, by(us\_born);

ttest actionnational if situation==1 & (late==0 |us\_born==1), by(us\_born);

/\* Hypothesis 3: Ex-ante norms correlate with national-matching reponses\*/

pwcorr actionnational exante\_norm if situation==2, sig;

pwcorr actionnational exante\_norm if situation==1, sig;

ttest actionuniversity = actionnational if situation==2 & us\_born==0 & ctry\_born != "Cayman IS" & ctry\_born != "Canada";

ttest actionuniversity = actionnational if situation==1 & us\_born==0 & late==1;

ttest actionuniversity = actionnational if situation==1 & us\_born==0 & late==0;

gen p\_u\_diff = actionpersonal - actionuniversity;

pwcorr p\_u\_diff exante\_norm if situation==2, sig; // Tipping

pwcorr p\_u\_diff exante\_norm if situation==1, sig; // Punctuality

gen n\_u\_diff = actionnational - actionuniversity;

pwcorr n\_u\_diff exante\_norm if situation==2, sig; // Tipping

pwcorr n\_u\_diff exante\_norm if situation==1, sig; // Punctuality

restore;

gen ratingnational = task == "national";

gen ratinguniversity = task == "university";

gen ratingpersonal = task == "personal";

/\* US-to-US and F-to-F Tipping\*/

preserve;

keep rating session subjid nationality ctry\_born situation action task;

reshape wide rating , i( session subjid nationality ctry\_born situation action) j(task) string;

gen us\_born = ctry\_born == "USA";

replace action = action\*100 if situation==2;

collapse (mean) ratingnational ratinguniversity ratingpersonal ///

(sem) national\_se=ratingnational university\_se=ratinguniversity personal\_se=ratingpersonal ///

(count) count=ratingnational, by(situation action us\_born);

local lvar "personal national university";

foreach x of local lvar{;

gen `x'\_upper = rating`x' + invttail(count-1,0.005)\*`x'\_se; // 1% level

gen `x'\_lower = rating`x' - invttail(count-1,0.005)\*`x'\_se;

};

/\* Figure 3 \*/

twoway (line ratingnational action if situation==2 & us\_born==1, lcolor(blue)) ///

(rcap national\_upper national\_lower action if situation==2 & us\_born==1, lcolor(blue)) ///

(line ratingnational action if situation==2 & us\_born==0, lcolor(red) lpattern(dash)) ///

(rcap national\_upper national\_lower action if situation==2 & us\_born==0, lcolor(red)), ///

xtitle("Tip Percentage") legend(order(1 "US-Born" 3 "Non-US Born")) graphregion(color(white));

graph export "graphs/mean\_rating\_tip\_national\_born.png", as(png) replace;

graph export "graphs/mean\_rating\_tip\_national\_born.eps", as(eps) replace;

restore;

/\* On time to Late to US-matching-US \*/

preserve;

keep rating session subjid nationality us\_born ctry\_born situation action task;

reshape wide rating , i( session subjid nationality ctry\_born situation action) j(task) string;

gen on\_time = 1 if (ctry\_born == "Canada" | ctry\_born == "Germany" | ctry\_born == "France" ///

| ctry\_born == "Singapore" | ctry\_born == "China" | ctry\_born == "Taiwan");

replace on\_time = 0 if (ctry\_born != "Canada" & ctry\_born != "Germany" & ///

ctry\_born != "France" & ctry\_born != "Singapore" & ctry\_born != "China" & ctry\_born != "Taiwan" & ctry\_born!="USA");

ttest ratinguniversity = ratingnational if situation==1 & on\_time==1;

ttest ratinguniversity = ratingnational if situation==1 & on\_time==0;

gen diff\_un = ratinguniversity - ratingnational;

collapse (mean) ratingnational ratinguniversity ratingpersonal diff\_un ///

(sem) national\_se=ratingnational university\_se=ratinguniversity personal\_se=ratingpersonal un\_sed=diff\_un ///

(count) count=ratingnational, by(situation action on\_time us\_born);

local lvar "personal national university";

foreach x of local lvar{;

gen `x'\_upper = rating`x' + invttail(count-1,0.005)\*`x'\_se;

gen `x'\_lower = rating`x' - invttail(count-1,0.005)\*`x'\_se;

};

/\* Figure 4 \*/

twoway (line ratingnational action if situation==1 & us\_born==1, lcolor(blue)) ///

(rcap national\_upper national\_lower action if situation==1 & us\_born==1, lcolor(blue)) ///

(line ratingnational action if situation==1 & us\_born==0 & on\_time==1, lcolor(red) lpattern(dash)) ///

(rcap national\_upper national\_lower action if situation==1 & us\_born==0 & on\_time==1, lcolor(red)) ///

(line ratingnational action if situation==1 & us\_born==0 & on\_time==0, lcolor(green) lpattern(dash\_dot)) ///

(rcap national\_upper national\_lower action if situation==1 & us\_born==0 & on\_time==0, lcolor(green)), ///

xtitle("Minutes Late/Early") legend(order(1 "US" 3 "On-time Countries" 5 "Late Countries") cols(3)) graphregion(color(white));

graph export "graphs/mean\_rating\_punctual\_national\_late.png", as(png) replace;

graph export "graphs/mean\_rating\_punctual\_national\_late.eps", as(eps) replace;

restore;

/\*Table A3: Fixed Effects Regression Results – Tipping Scenario\*/

xtset subjid;

xtreg rating ratinguniversity if situation==2 & us\_born==1 & task!="national", fe cluster(subjid);

xtreg rating ratinguniversity if situation==2 & us\_born==0 & task!="national", fe cluster(subjid);

/\*Table A4: Fixed Effects Regression Results – Punctuality Scenario\*/

xtreg rating ratinguniversity if situation==1 & us\_born==1 & task!="national", fe cluster(subjid);

xtreg rating ratinguniversity if situation==1 & us\_born==0 & task!="national", fe cluster(subjid);

gen national\_foreign = ratingnational==1 & us\_born==0;

gen on\_time = 1 if (ctry\_born == "Canada" | ctry\_born == "Germany" | ctry\_born == "France" ///

| ctry\_born == "Singapore" | ctry\_born == "China" | ctry\_born == "Taiwan");

replace on\_time = 0 if (ctry\_born != "Canada" & ctry\_born != "Germany" & ctry\_born != "France" ///

& ctry\_born != "Singapore" & ctry\_born != "China" & ctry\_born != "Taiwan" & ctry\_born!="USA");

/\*Table A5: Fixed Effects Regression Results with Foreign Interaction – Tipping Scenario\*/

xtreg rating ratingnational national\_foreign if situation==2 & ratingpersonal==0, fe cluster(subjid);

/\*Table A6: Fixed Effects Regression Results with Foreign Interaction – Punctuality Scenario\*/

xtreg rating ratingnational national\_foreign if situation==1 & ratingpersonal==0 & (us\_born==1 | on\_time==1), fe cluster(subjid);

xtreg rating ratingnational national\_foreign if situation==1 & ratingpersonal==0 & (us\_born==1 | on\_time==0), fe cluster(subjid);