SAS CODE

(Second Hypothesis)

/\*Plotting Histograms for Time Variables\*/

/\*time0intro\*/

proc sgplot data=project3.creddata;

where time0intro <50 and chosedom = 0;

histogram time0intro/ binwidth=1;

run;

proc sgplot data=project3.creddata;

where time0intro <50 and chosedom = 1;

histogram time0intro/ binwidth=1;

run;

proc sgplot data=project3.creddata;

where time0intro>0 and time0intro <50 and chosedom = 0 and male = 0;

histogram time0intro/ binwidth=1;

run;

proc sgplot data=project3.creddata;

where time0intro>0 and time0intro <50 and chosedom = 1 and male = 0;

histogram time0intro/ binwidth=1;

run;

proc sgplot data=project3.creddata;

where time0intro>0 and time0intro <50 and chosedom = 0 and male = 1;

histogram time0intro/ binwidth=1;

run;

proc sgplot data=project3.creddata;

where time0intro>0 and time0intro <50 and chosedom = 1 and male = 1;

histogram time0intro/ binwidth=1;

run;

proc sgplot data=project3.creddata;

where time0intro>0 and time0intro <50 and chosedom = 0 and male = 1;

histogram time0intro/ binwidth=1;

run;

/\*timeminpay\*/

proc sgplot data=project3.creddata;

where timeminpay <50 and chosedom = 0;

histogram timeminpay/ binwidth=1;

run;

proc sgplot data=project3.creddata;

where timeminpay <50 and chosedom = 1;

histogram timeminpay/ binwidth=1;

run;

proc sgplot data=project3.creddata;

where timeminpay>0 and timeminpay <50 and chosedom = 0 and male = 0;

histogram timeminpay/ binwidth=1;

run;

proc sgplot data=project3.creddata;

where timeminpay>0 and timeminpay <50 and chosedom = 1 and male = 0;

histogram timeminpay/ binwidth=1;

run;

proc sgplot data=project3.creddata;

where timeminpay>0 and timeminpay <50 and chosedom = 0 and male = 1;

histogram timeminpay/ binwidth=1;

run;

proc sgplot data=project3.creddata;

where timeminpay>0 and timeminpay <50 and chosedom = 1 and male = 1;

histogram timeminpay/ binwidth=1;

run;

/\*timenomem \*/

proc sgplot data=project3.creddata;

where timenomem <50 and chosedom = 0;

histogram timenomem/ binwidth=1;

run;

proc sgplot data=project3.creddata;

where timenomem <50 and chosedom = 1;

histogram timenomem/ binwidth=1;

run;

proc sgplot data=project3.creddata;

where timenomem>0 and timenomem <50 and chosedom = 0 and male = 0;

histogram timenomem/ binwidth=1;

run;

proc sgplot data=project3.creddata;

where timenomem>0 and timenomem <50 and chosedom = 1 and male = 0;

histogram timenomem/ binwidth=1;

run;

proc sgplot data=project3.creddata;

where timenomem>0 and timenomem <50 and chosedom = 0 and male = 1;

histogram timenomem/ binwidth=1;

run;

proc sgplot data=project3.creddata;

where timenomem>0 and timenomem <50 and chosedom = 1 and male = 1;

histogram timenomem/ binwidth=1;

run;

/\*timeforeign\*/

proc sgplot data=project3.creddata;

where timeforeign <50 and chosedom = 0;

histogram timeforeign/ binwidth=1;

run;

proc sgplot data=project3.creddata;

where timeforeign <50 and chosedom = 1;

histogram timeforeign/ binwidth=1;

run;

proc sgplot data=project3.creddata;

where timeforeign>0 and timeforeign <50 and chosedom = 0 and male = 0;

histogram timeforeign/ binwidth=1;

run;

proc sgplot data=project3.creddata;

where timeforeign>0 and timeforeign <50 and chosedom = 1 and male = 0;

histogram timeforeign/ binwidth=1;

run;

proc sgplot data=project3.creddata;

where timeforeign>0 and timeforeign <50 and chosedom = 0 and male = 1;

histogram timeforeign/ binwidth=1;

run;

proc sgplot data=project3.creddata;

where timeforeign>0 and timeforeign <50 and chosedom = 1 and male = 1;

histogram timeforeign/ binwidth=1;

run;

/\*view0intro\*/

proc univariate data=project3.creddata noprint;

var view0intro;

output out=iqr\_data q1=Q1 q3=Q3;

run;

data project3.cleaned\_data;

set project3.creddata;

if \_N\_ = 1 then set iqr\_data;

IQR = Q3 - Q1;

lower\_bound = Q1 - 3 \* IQR;

upper\_bound = Q3 + 3 \* IQR;

if view0intro < lower\_bound or view0intro > upper\_bound then delete;

run;

proc means data=project3.cleaned\_data noprint;

class chosedom;

var view0intro;

output out=means\_data mean=mean\_view0intro;

run;

proc sgplot data=means\_data;

vbar chosedom / response=mean\_view0intro datalabel;

run;

/\*viewminpay\*/

proc univariate data=project3.creddata noprint;

var viewminpay;

output out=iqr\_data q1=Q1 q3=Q3;

run;

data project3.cleaned\_data;

set project3.creddata;

if \_N\_ = 1 then set iqr\_data;

IQR = Q3 - Q1;

lower\_bound = Q1 - 3 \* IQR;

upper\_bound = Q3 + 3 \* IQR;

if viewminpay < lower\_bound or viewminpay > upper\_bound then delete;

run;

proc means data=project3.cleaned\_data noprint;

class chosedom;

var viewminpay;

output out=means\_data mean=mean\_viewminpay;

run;

proc sgplot data=means\_data;

vbar chosedom / response=mean\_viewminpay datalabel;

run;

/\*viewnomem\*/

proc univariate data=project3.creddata noprint;

var viewnomem;

output out=iqr\_data q1=Q1 q3=Q3;

run;

data project3.cleaned\_data;

set project3.creddata;

if \_N\_ = 1 then set iqr\_data;

IQR = Q3 - Q1;

lower\_bound = Q1 - 3 \* IQR;

upper\_bound = Q3 + 3 \* IQR;

if viewnomem < lower\_bound or viewnomem > upper\_bound then delete;

run;

proc means data=project3.cleaned\_data noprint;

class chosedom;

var viewnomem;

output out=means\_data mean=mean\_viewnomem;

run;

proc sgplot data=means\_data;

vbar chosedom / response=mean\_viewnomem datalabel;

run;

/\*viewforeign\*/

proc univariate data=project3.creddata noprint;

var viewforeign;

output out=iqr\_data q1=Q1 q3=Q3;

run;

data project3.cleaned\_data;

set project3.creddata;

if \_N\_ = 1 then set iqr\_data;

IQR = Q3 - Q1;

lower\_bound = Q1 - 3 \* IQR;

upper\_bound = Q3 + 3 \* IQR;

if viewforeign < lower\_bound or viewforeign > upper\_bound then delete;

run;

proc means data=project3.cleaned\_data noprint;

class chosedom;

var viewforeign;

output out=means\_data mean=mean\_viewforeign;

run;

proc sgplot data=means\_data;

vbar chosedom / response=mean\_viewforeign datalabel;

run;