

**Syntax1A**

\*Compute interaction term\*.

compute libint = (liberal5 \* interest).

**Syntax1B**

\*Simple interaction analysis\*.

regression variables=RawMJ3 liberal5 interest libint

/statistics anova coeff r tol

/descriptives = n

/dependent = RawMJ3

/method = enter liberal5

/method = enter interest

**Table 1A**

**Model Summary**

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.360 <sup>a</sup>	.130	.129	1.07680
2	.386 <sup>b</sup>	.149	.147	1.06531
3	.397 <sup>c</sup>	.158	.155	1.06050

a. Predictors: (Constant), liberal5

b. Predictors: (Constant), liberal5, interest

c. Predictors: (Constant), liberal5, interest, libint

**Table 1B**

**Coefficients<sup>a</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	Collinearity Statistics
		B	Std. Error	Beta			Tolerance
1	(Constant)	.834	.067		12.483	<.001	
	liberal5	1.350	.112	.360	12.079	<.001	1.000
2	(Constant)	.440	.107		4.130	<.001	
	liberal5	1.371	.111	.366	12.392	<.001	.998
	interest	.572	.121	.139	4.711	<.001	.998
3	(Constant)	.890	.178		4.998	<.001	
	liberal5	.510	.295	.136	1.731	.084	.139
	interest	-.045	.230	-.011	-.194	.846	.275
	libint	1.191	.379	.285	3.145	.002	.105

a. Dependent Variable: RawMJ3

## Syntax 2

\*Centering regression Independent variables\*.  
fre var liberal5 interest  
/statistics mean.

**Table 2**

	Liberal5	interest
Mean	.5094	.5871

**Syntax 2B**

\*centering predictors around mean scores\*.  
compute Cliberal5 = (liberal5 - .5094).  
compute Cinterest = (interest - .5871).  
fre var Cliberal5 Cinterest.

**Syntax 2C**

\*Compute centered interaction term with centered variables\*.  
compute Clibint = (Cliberal5 \* Cinterest).

**Syntax 3**

\*Centered IVs for regression interaction\*.  
regression variables=RawMJ3 Cliberal5 Cinterest Clibint  
/statistics anova coeff r tol  
/descriptives = n  
/dependent = RawMJ3  
/method = enter Cliberal5  
/method = enter Cliberal5 Cinterest  
/method = enter Cliberal5 Cinterest Clibint.

**Table 3A**  
**Predicting Support for Recreational Marijuana Use**

**Model Summary**

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.360 <sup>a</sup>	.130	.129	1.07680
2	.386 <sup>b</sup>	.149	.147	1.06531
3	.397 <sup>c</sup>	.158	.155	1.06050

a. Predictors: (Constant), Cliberal5

b. Predictors: (Constant), Cliberal5, Cinterest

c. Predictors: (Constant), Cliberal5, Cinterest, Clibint

**Table 3B**

**Coefficients<sup>a</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	Collinearity Statistics
		B	Std. Error	Beta			Tolerance
1	(Constant)	1.521	.034		44.208	<.001	
	Cliberal5	1.350	.112	.360	12.079	<.001	1.000
2	(Constant)	1.474	.035		41.576	<.001	
	Cliberal5	1.371	.111	.366	12.392	<.001	.998
	Cinterest	.572	.121	.139	4.711	<.001	.998
3	(Constant)	1.479	.035		41.866	<.001	
	Cliberal5	1.210	.121	.323	9.960	<.001	.821
	Cinterest	.562	.121	.137	4.645	<.001	.998
	clibint	1.191	.379	.102	3.145	.002	.822

a. Dependent Variable: RawMJ3

**Table 4A**

**Predicting RawMJ3 by Political Ideology (Liberal5) and Political Interest  
with uncentered and centered variables**

*Unstandardized Coefficients*

	<b>Uncentered Model 3</b>	tolerance		<b>Centered Model 3</b>	tolerance
	b (se)			b (se)	
liberal5	.510 (.295)	.139		1.210*** (.121)	.821
Interest	-.045 (.230)	.275		.562*** (.121)	.998
libint	1.191** (.379)	.105		1.191** (.079)	.822
Constant	.890			1.479	
Adj R <sup>2</sup>	.155			.191	
N=	1642			1642	

ms =.056; \*Signif <.05; \*\*Signif <.01; \*\*\*Signif <.001

**Table 4B**

**Predicting RawMJ3 by Political Ideology (Liberal5) and Political Interest with uncentered and centered variables**

*Standardized Coefficients*

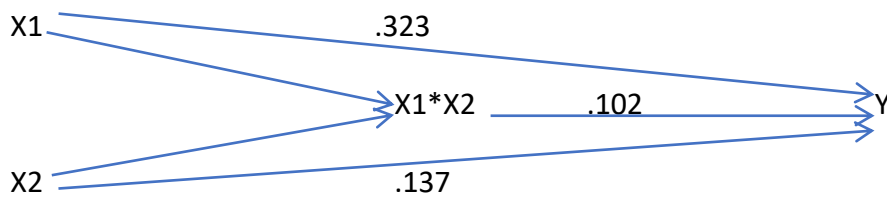
	Model 3		Model 3-Centered
	$\beta$		$\beta$
liberal5	.136		.323***
interest	-.011		.137***
libint	.285**		.102**
Adj R <sup>2</sup>	.155		.155
N=	1642		1642

\*Signif <.05; \*\*Signif <.01; \*\*\*Signif <.001

**Figure 1A**

Partial Specification

Standardized Coefficients



#### Syntax 4

regression variables=Clibint CLiberal5 Cinteres

/statistics anova coeff r tol

/descriptives = n

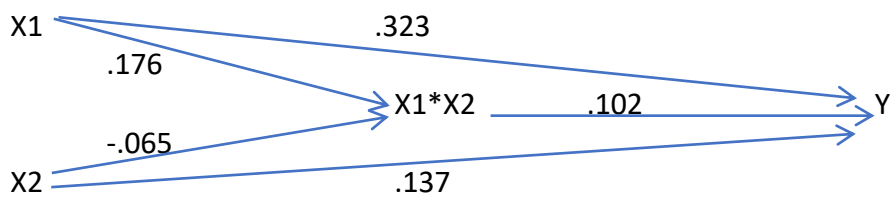
/dependent = Clibint

/method = enter CLiberal5 Cinterest.

#### Figure 1B

Partial Specification

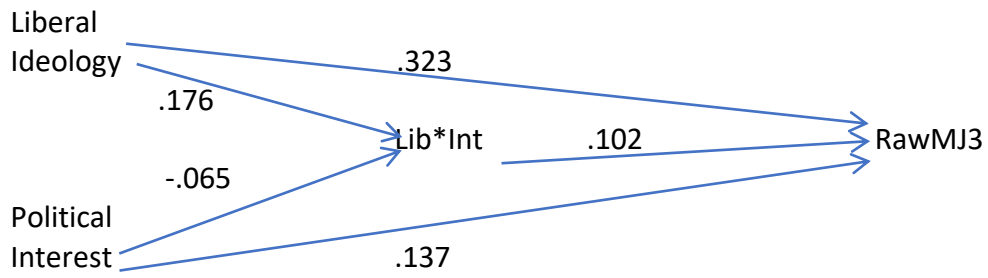
Standardized Coefficients





**Figure 1C**

Adding variable labels makes the model easier to understand



## Syntax 5

\*Weighting the Data\*.

weight by weight.

\*Recoding MJ Index Items\*.

recode q21 (1=1) (2=0) into MJPropD.

value labels MJPropD 1 'yes' 0 'no'.

recode q36 (1=1) (2=0) into MJLegalD.

value labels MJLegalD 1 'yes' 0 'no'.

recode q36a (1=1) (2=.5) (3=.0) into MJTry.

value labels MJTry 1 'recent' .5 'not recent' 0 'no'.

\*Constructing an Index with alpha = .777\*.

compute RawMJ3 = (MJPropD + MJLegalD + MJTry).

\*Creating IV Indicators of Party Identification & Ideology\*.

\*Democrat5 (adapted from from lab 7)\*.

if (q40c = 1) and (q40e =1) Democrat5 =0.

if (q40c = 1) and (q40e =2) Democrat5 =.25.

if (q40c = 3) Democrat5 =.5.

if (q40c =2) and (q40d =2) Democrat5 = .75.

if (q40c =2) and (q40d =1) Democrat5 =1.

value labels Democrat5 0 'strRep' .25 'Rep' .5 'Indep' .75 'Dem' 1 'strDem'.

recode q37 (1=1) (2=.75) (3= .5) (4=.25) (5= 0) into liberal5.

value labels liberal5 1 'vlib' .75 'liberal' .5 'middle' .25 'conserv' 0 'vcons'.

\*Additional control variables\*.

recode q38 (1=1) (2=.66) (3=.33) (4=0) into interest.

fre var interest.

value labels interest 0 'none' .33 'only a little' .66 'fair amount' 1 'great deal'.

\*Compute interaction term\*.

compute libint = (liberal5 \* interest).

\*Simple interaction analysis\*.

regression variables=RawMJ3 liberal5 interest libint

    /statistics anova coeff r tol

    /descriptives = n

    /dependent = RawMJ3

    /method = enter liberal5

    /method = enter interest

    /method = enter libint.

\*Centering regression Independent variables\*.

fre var liberal5 interest

    /statistics mean.

\*Centering predictors around mean scores\*.

compute Cliberal5 = (liberal5 - .5094).

compute Cinterest = (interest - .5871).

fre var Cliberal5 Cinterest.

\*Compute centered interaction term with centered variables\*.

compute Clibint = (Cliberal5 \* Cinterest).

\*Centered IVs for regression interaction\*.

regression variables=RawMJ3 Cliberal5 Cinterest Clibint

/statistics anova coeff r tol

/descriptives = n

/dependent = RawMJ3

/method = enter Cliberal5

/method = enter Cliberal5 Cinterest

/method = enter Cliberal5 Cinterest Clibint.

\*Completing the partial specification model\*.

regression variables=Clibint Cliberal5 Cinterest

/statistics anova coeff r tol

/descriptives = n

/dependent = Clibint

/method = enter Cliberal5 Cinterest.

\*Centered IVs regression with mediation & interaction\*.

\*Note Democrat need not be centered since not in interaction\*.

regression variables=RawMJ3 Cliberal5 Democrat5 Cinterest Clibint

/statistics anova coeff r tol

/descriptives = n

/dependent = RawMJ3

/method = enter Democrat5

/method = enter Democrat5 Cliberal5

/method = enter Democrat5 Cliberal5 Cinterest

/method = enter Democrat5 Cliberal5 Cinterest Clibint.