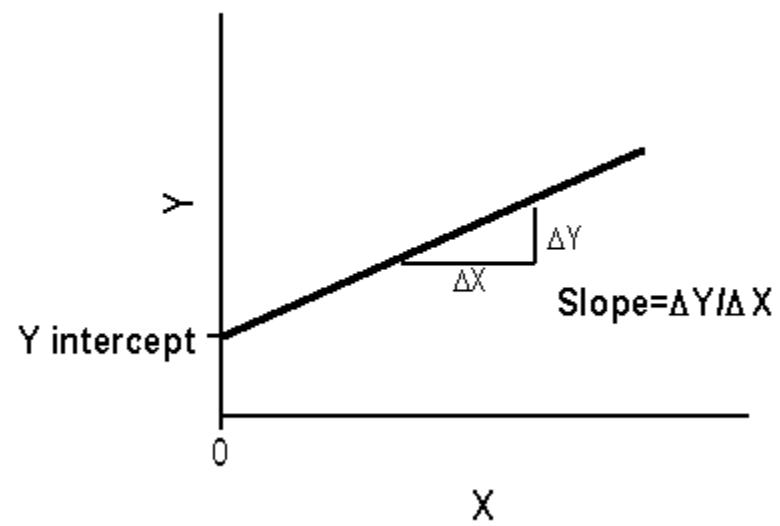


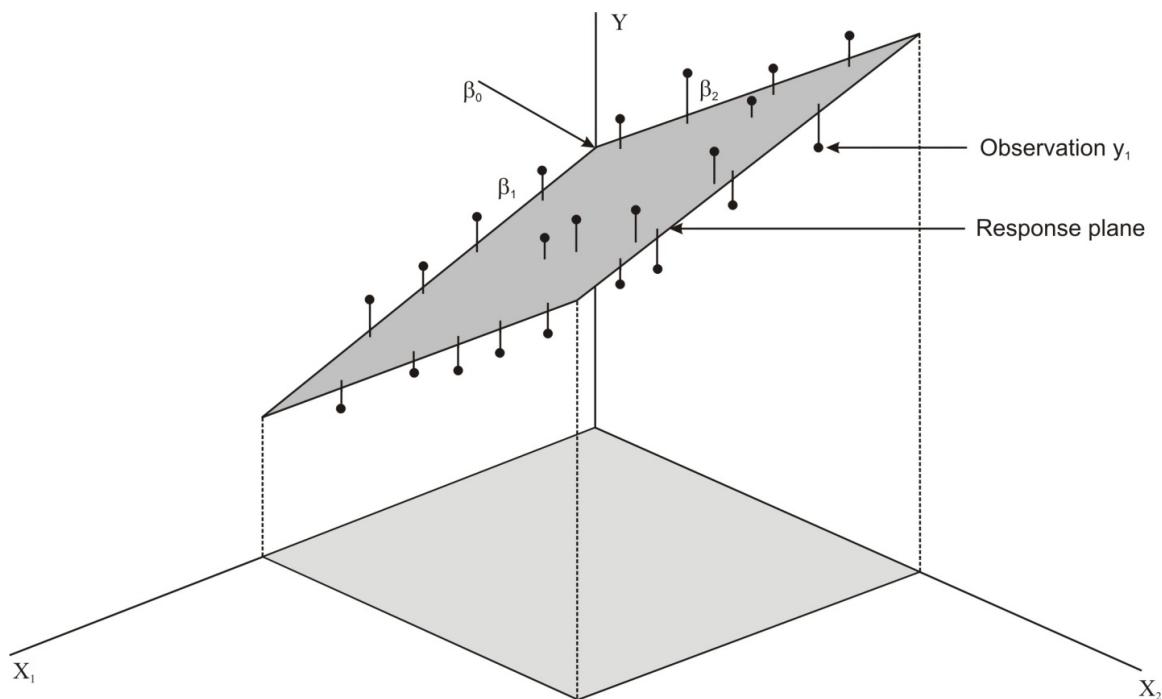
$$y = a + bx$$

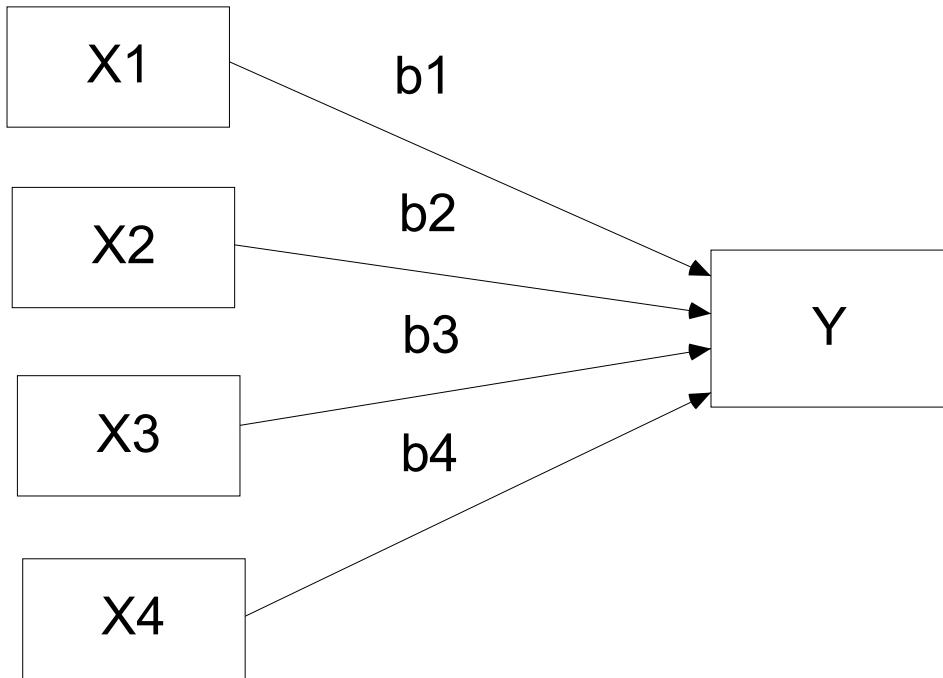
r^2 = explained variance

$$r = \sqrt{\text{explained variance}}$$



$$y = a + bx_1 + bx_2$$





Adj.R²= .33

N=1024

$$SD = \sqrt{\frac{\sum(x_i - \bar{x})}{N}}$$

$$Y = a + \beta x_1 + \beta x_2 + \beta x_3 \dots$$

Regression of RecMJIndex on ideology, age, educ, interest.

regression variables=RawMJ3 liberal5 age educ interest
/statistics anova coeff r tol
/descriptives = n
/dependent = RawMJ3
/method = enter.

Correlation matrix-DV & IVs.
corr RawMJ3 liberal5 age educ interest.

Correlations

	RawMJ3	liberal5	age	educ	interest
RawMJ3	1				
liberal5	.361	1			
age	-.209	-.132	1		
educ	.120	.146	.043	1	
interest	.122	.079	.147	.316	1

Correlations

		RawMJ3	liberal5	age	educ	interest
N	RawMJ3	951	951	951	951	951
	liberal5	951	951	951	951	951
	age	951	951	951	951	951
	educ	951	951	951	951	951
	interest	951	951	951	951	951

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	interest, liberal5, educ, age ^b	.	Enter

a. Dependent Variable: RawMJ3

b. All requested variables entered.

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.441 ^a	.195	.191	1.03824

a. Predictors: (Constant), interest, liberal5, educ, age

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	246.285	4	61.571	57.150	.000 ^b
	Residual	1019.642	946	1.078		
	Total	1265.928	950			

a. Dependent Variable: RawMJ3

b. Predictors: (Constant), interest, liberal5, educ, age

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients		t	Sig.	Tolerance
		B	Std. Error	Beta				
1	(Constant)	.654	.123			5.325	.000	
	liberal5	1.283	.111	.344	11.525	.000	.958	
	age	-.647	.105	-.184	-6.132	.000	.945	
	educ	.218	.126	.052	1.733	.083	.929	
	interest	.707	.126	.171	5.606	.000	.917	

$$\text{RawMJ3} = .65 + 1.28\text{liberal} - .65\text{age} + .22\text{educ} + .71\text{interest}$$

Model	Unstandardized Coefficients		Standardized Coefficients		t	Sig.	Tol
	B	Std. Error	Beta				
1	(Constant)	.592	.129		4.572	.000	
	liberal5	1.136	.131	.303	8.643	.000	.719
	Democrat5	.210	.121	.060	1.744	.081	.749
	age	-.632	.108	-.180	-5.877	.000	.938
	educ	.253	.128	.061	1.970	.049	.920
	interest	.693	.128	.168	5.403	.000	.914

N = 925; Adj R² = .184

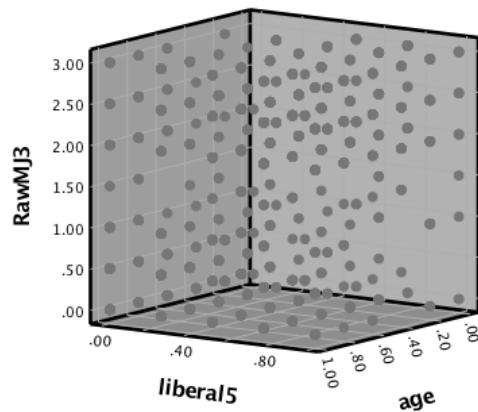
Comparing Two Models of Support for RawMJ3

	Model 1			Model 2		
	Beta	Sig	Tol	Beta	Sig	Tol
liberal5	.344	.000	.958	.303	.000	.719
Democrat5				.060	.081	.749
age	-.184	.000	.945	-.180	.000	.938
educ	.052	.083	.929	.061	.049	.920
interest	.171	.000	.917	.168	.000	.914

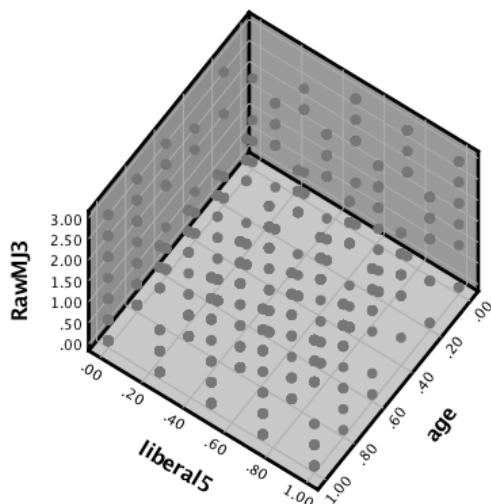
N= 951; Adj R²= .191

N = 925 ; Adj R2 = .184

```
graph  
/scatterplot(xyz)=liberal5 with RawMJ3 with age.
```



Cases weighted by Final adjusted weight



Cases weighted by Final adjusted weight

Syntax Used for MJ3 Regression

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.

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'.

recode d1a (1=0) (2= .2) (3= .4) (4=.6) (5=.8) (6=1) into age.

value labels age 0 '18+' .2 '25+' .4 '35+'.6 '45+'.8 '55+' 1 '65+'.

recode d6 (1=0) (2=.25) (3=.5) (4=.75) (5=1) into educ.

value labels educ 0 '<hs' .25 'hs' .5 'col' .75 'grad' 1 'post'.

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

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

corr RawMJ3 Liberal5 age educ interest.

regression variables=RawMJ3 Liberal5 age educ interest

/statistics anova coeff r tol

/descriptives = n

/dependent = RawMJ3

/method = enter.

graph

/scatterplot(xyz)=liberal5 with RawMJ3 with age.

Party ID Syntax

```
*Democrat5 (adapted 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'.
```

Syntax for 7 point PId measure in March 2018 data for Andrew Gonzales

```
if (q39 = 2) and (q39a = 1) Dem7 =1.  
if (q39= 2) and (q39a ge 2) Dem7 = .834.  
if (q39 ge 3) and (q39c = 2) Dem7 = .667.  
if (q39 ge 3) and (q39c ge 3) Dem7 = .5.  
if (q39 ge 3) and (q39c = 1) Dem7 = .334.  
if (q39=1) and (q39b ge 2) Dem7 = .167.  
if (q39 =1) and (q39b =1) Dem7 =0.  
value labels Dem7 1 'StrDem' .834 'Dem' .667 'LeanDem' .5 'Indep' .334 'LeanRep'  
.167 'Rep' 0 'StrRep'.
```

fre var Dem7.