Results Draft

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After distribution the survey was taken by 60 participants. 34 of the participants were excluded for not completing the survey, or not having lived in the United States for more than a year. Of those remaining participants the participants were almost evenly male and female (12 males, 15 females) and 1 chose to not identify. The sample was also majority White with 24 participants identifying as White, 2 identifying as African-American, 1 as Asian, and 1 as Biracial/Multiracial. The mean age of the sample was approximately 25.5 (SD = 12.8). Therefore there appears to be a mostly younger group of individuals with a large difference in age. Education wise the majority of respondents had some college education but no degree at 13, 9 held a bachelor's degree, 4 Held either a High School diploma or GED, 1 held a masters, and 1 held an associate's degree. The political party affiliation also was skewed towards the democratic party with 13 self identifying as Democrats, 9 as Independents, 2 as Republican party members, and 2 as another political party affiliate. This is also confirmed with a mean liberal-conservative score of 3.21, meaning a slightly more liberal sample (SD = 1.8).

SDO was used in the survey as a measure of endorsement of group based hierarchy. Cronbach's alpha was calculated to test the interrater reliability of the measure. The measure was found to be highly reliable (alpha = .946). The Main analysis for the study was a regression analysis. The reasoning for using this type of analysis is two fold. First, both the independent, SDO scores, and dependent variable, competency scores, being continuous in nature. The second reasoning behind using this type of analysis is to observe the effect that changes in participants SDO has on the mean scores of competency for our hypothetical candidate in different grouped policy areas.

Therefore there were four regression analysis run for: masculine policy areas, feminine policy areas, neutral policy areas, and overall competency on all policy areas. For masculine policy areas (defense, gun rights, terrorism, crime, immigration) we see a strong negative correlation between mean masculine policy mean scores and SDO mean scores (Cor = -.634, $p < .000$). which also is reflected in the analysis with a regression coefficient of -.64 ($p < .000$) rhe model also did well in accounting for differences in scores (R-squ = .402). A similar pattern was also seen in traditionally feminine policies (education, abortion, marriage rights, welfare, civil rights) with SDO (cor = -.699, $p < .000$) seeing a stronger negative relationship with SDO (beta = -.735, $p < .000$). This was also done with policies not typically prescribed to a type(trade, minimum wage, climate change, tax reform, healthcare), which competency in these areas also had a negative correlation with SDO (cor = -.710, $p < .000$) where SDO was again significant in predicting lower competence scores (beta = -.736, $p < .000$). Overall there seems to be a significant negative relationship between SDO and perceived competency of female candidates.

Statistics

		Do you Identify as a member of any of the following political parties? - Selected Choice	What is your Race/Ethnicity	What is the highest level of school you have completed or the highest degree you have received?	Have you ever lived in the United States for more than a year?	What is your gender Identity? - Selected Choice
N	Valid	26	28	28	28	28
	Missing	34	32	32	32	32

Frequency Table

Do you Identify as a member of any of the following political parties? - Selected Choice

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Democratic party	13	21.7	50.0	50.0
	Republican party	2	3.3	7.7	57.7
	Other	2	3.3	7.7	65.4
	Independent	9	15.0	34.6	100.0
	Total	26	43.3	100.0	
Missing	System	34	56.7		

Total	60	100.0		

What is your Race/Ethnicity

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	White	24	40.0	85.7	85.7
	Black or African-American	2	3.3	7.1	92.9
	Asian	1	1.7	3.6	96.4
	biracial/multiracial	1	1.7	3.6	100.0
	Total	28	46.7	100.0	
Missing	System	32	53.3		
Total		60	100.0		

What is the highest level of school you have completed or the highest degree you have received?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	High school graduate (high school diploma or equivalent including GED)	4	6.7	14.3	14.3
	Some college but no degree	13	21.7	46.4	60.7
	Associate degree in college (2-year)	1	1.7	3.6	64.3

	Bachelor's degree in college (4-year)	9	15.0	32.1	96.4
	Master's degree	1	1.7	3.6	100.0
	Total	28	46.7	100.0	
Missing	System	32	53.3		
Total		60	100.0		

Have you ever lived in the United States for more than a year?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	26	43.3	92.9	92.9
	No	2	3.3	7.1	100.0
	Total	28	46.7	100.0	
Missing	System	32	53.3		
Total		60	100.0		

What is your gender Identity? - Selected Choice

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Male	12	20.0	42.9	42.9
	Female	15	25.0	53.6	96.4
	Prefer not to answer	1	1.7	3.6	100.0

	Total	28	46.7	100.0	
Missing	System	32	53.3		
Total		60	100.0		

Descriptives

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
How old are you? - Age	27	18.00	65.00	25.5185	12.78632
How would you rate yourself on a scale from extremely liberal to extremely conservative - liberal to conservative	28	1	7	3.21	1.792
Valid N (listwise)	26				

Reliability

Scale: ALL VARIABLES

Case Processing Summary

		N	%
Cases	Valid	27	45.0
	Excluded[a]	33	55.0
	Total	60	100.0

a. Listwise deletion based on all variables in the procedure.

Reliability Statistics

Cronbach's Alpha	N of Items
.946	16

Regression

Notes

Output Created		03-NOV-2017 19:27:26
Comments		
Input	Data	C:\Users\tyjaman\AppData\Local\Temp\2\Temp1_Psych+401+survey_November+3%2C+2017_17.08.zip\Psych 401 survey_November 3, 2017_17.08.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	60
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.
Syntax		REGRESSION /DESCRIPTIVES MEAN STDDEV CORR SIG N /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA CHANGE /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT masculine_mean /METHOD=ENTER SDO_M.

Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.04
	Memory Required	36688 bytes
	Additional Memory Required for Residual Plots	0 bytes

Descriptive Statistics

	Mean	Std. Deviation	N
masculine_mean	4.4778	1.52122	27
SDO_M	2.5509	1.50580	27

Correlations

		masculine_mean	SDO_M
Pearson Correlation	masculine_mean	1.000	-.634
	SDO_M	-.634	1.000

Sig. (1-tailed)	masculine_mean	.	.000
	SDO_M	.000	.
N	masculine_mean	27	27
	SDO_M	27	27

Variables Entered/Removed[a]

Model	Variables Entered	Variables Removed	Method
1	SDO_M[b]	.	Enter

a. Dependent Variable: masculine_mean

b. All requested variables entered.

Model Summary

					Change Statistics		
Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1
1	.634[a]	.402	.378	1.19988	.402	16.790	1

Model Summary

	Change Statistics	
Model	df2	Sig. F Change
1	25	.000

a. Predictors: (Constant), SDO_M

ANOVA[a]

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	24.174	1	24.174	16.790	.000[b]
	Residual	35.993	25	1.440		
	Total	60.167	26			

a. Dependent Variable: masculine_mean

b. Predictors: (Constant), SDO_M

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	6.111	.461		13.265	.000
	SDO_M	-.640	.156	-.634	-4.098	.000

a. Dependent Variable: masculine_mean

Regression

Notes

Output Created		03-NOV-2017 19:27:26
Comments		
Input	Data	C:\Users\tyjaman\AppData\Local\Temp\2\Temp1_Psych+401+survey_November+3%2C+2017_17.08.zip\Psych 401 survey_November 3, 2017_17.08.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	60
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.

Syntax		REGRESSION /DESCRIPTIVES MEAN STDDEV CORR SIG N /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA CHANGE /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT feminine_mean /METHOD=ENTER SDO_M.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.03
	Memory Required	36688 bytes
	Additional Memory Required for Residual Plots	0 bytes

Descriptive Statistics

	Mean	Std. Deviation	N
feminine_mean	4.9808	1.57988	26
SDO_M	2.6106	1.50274	26

Correlations

		feminine_mean	SDO_M
Pearson Correlation	feminine_mean	1.000	-.699
	SDO_M	-.699	1.000
Sig. (1-tailed)	feminine_mean	.	.000
	SDO_M	.000	.
N	feminine_mean	26	26
	SDO_M	26	26

Variables Entered/Removed[a]

Model	Variables Entered	Variables Removed	Method
1	SDO_M[b]	.	Enter

a. Dependent Variable: feminine_mean

b. All requested variables entered.

Model Summary

					Change Statistics		
Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1

1	.699[a]	.489	.468	1.15276	.489	22.958	1

Model Summary

Model	Change Statistics	
	df2	Sig. F Change
1	24	.000

a. Predictors: (Constant), SDO_M

ANOVA[a]

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	30.508	1	30.508	22.958	.000[b]
	Residual	31.893	24	1.329		
	Total	62.400	25			

a. Dependent Variable: feminine_mean

b. Predictors: (Constant), SDO_M

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	6.900	.460		15.002	.000

	SDO_M	-.735	.153	-.699	-4.791	.000

a. Dependent Variable: feminine_mean

Regression

Notes

Output Created		03-NOV-2017 19:27:26
Comments		
Input	Data	C:\Users\tyjaman\AppData\Local\Temp\2\Temp1_Psych+401+survey_November+3%2C+2017_17.08.zip\Psych 401 survey_November 3, 2017_17.08.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Workin	60

	g Data File	
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.
Syntax		REGRESSION /DESCRIPTIVES MEAN STDDEV CORR SIG N /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA CHANGE /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT Neutral_mean /METHOD=ENTER SDO_M.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.03
	Memory Required	36688 bytes
	Additional Memory Required for Residual Plots	0 bytes

Descriptive Statistics

	Mean	Std. Deviation	N
Neutral_mean	4.7000	1.55769	26
SDO_M	2.6106	1.50274	26

Correlations

		Neutral_mean	SDO_M
Pearson Correlation	Neutral_mean	1.000	-.710
	SDO_M	-.710	1.000
Sig. (1-tailed)	Neutral_mean	.	.000
	SDO_M	.000	.
N	Neutral_mean	26	26
	SDO_M	26	26

Variables Entered/Removed[a]

Model	Variables Entered	Variables Removed	Method
1	SDO_M[b]	.	Enter

a. Dependent Variable: Neutral_mean

b. All requested variables entered.

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Change Statistics		
					R Square Change	F Change	df1
1	.710[a]	.504	.484	1.11918	.504	24.428	1

Model Summary

Model	Change Statistics	
	df2	Sig. F Change
1	24	.000

a. Predictors: (Constant), SDO_M

ANOVA[a]

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	30.598	1	30.598	24.428	.000[b]
	Residual	30.062	24	1.253		
	Total	60.660	25			

a. Dependent Variable: Neutral_mean

b. Predictors: (Constant), SDO_M

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients		
		B	Std. Error	Beta	t	Sig.
1	(Constant)	6.622	.447		14.830	.000
	SDO_M	-.736	.149	-.710	-4.943	.000

a. Dependent Variable: Neutral_mean

Regression

Output Created		03-NOV-2017 19:27:26
Comments		
Input	Data	C:\Users\tyjaman\AppData\Local\Temp\2\Temp1_Psych+401+survey_November+3%2C+2017_17.08.zip\Psych 401 survey_November 3, 2017_17.08.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>

	N of Rows in Working Data File	60
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.
Syntax		REGRESSION /DESCRIPTIVES MEAN STDDEV CORR SIG N /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA CHANGE /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT competency_mean /METHOD=ENTER SDO_M.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.03
	Memory Required	36720 bytes
	Additional Memory Required for	0 bytes

Residual Plots	

Descriptive Statistics

	Mean	Std. Deviation	N
competency_mean	4.6996	1.49508	27
SDO_M	2.5509	1.50580	27

Correlations

		competency_mean	SDO_M
Pearson Correlation	competency_mean	1.000	-.673
	SDO_M	-.673	1.000
Sig. (1-tailed)	competency_mean	.	.000
	SDO_M	.000	.
N	competency_mean	27	27
	SDO_M	27	27

Variables Entered/Removed[a]

Model	Variables Entered	Variables Removed	Method
1	SDO_M[b]	.	Enter

a. Dependent Variable: competency_mean

b. All requested variables entered.

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Change Statistics		
					R Square Change	F Change	df1
1	.673[a]	.453	.431	1.12743	.453	20.722	1

Model Summary

Model	Change Statistics	
	df2	Sig. F Change
1	25	.000

a. Predictors: (Constant), SDO_M

ANOVA[a]

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	26.340	1	26.340	20.722	.000[b]
	Residual	31.777	25	1.271		
	Total	58.117	26			

a. Dependent Variable: competency_mean

b. Predictors: (Constant), SDO_M

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients		
		B	Std. Error	Beta	t	Sig.
1	(Constant)	6.405	.433		14.796	.000
	SDO_M	-.668	.147	-.673	-4.552	.000

a. Dependent Variable: competency_mean