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Title: Is Fairness Different? An Analysis of Generalized Trust in Poland

Motivation

Generalized social trust—if people in general can be trusted, if people are fair, if people are helpful—is considered an important part of social capital. Social capital, in turn, is included when looking at measures of happiness, overall wellbeing, and satisfaction with life. Concepts of fairness within society may be related to the idea of a meritocracy—whether one is getting what one deserves. It does not necessarily follow that believing that one got what one deserves would make a person happy. The European Social Survey (ESS) poses three questions that analyse generalized social trust—if people in general can be trusted, if people are fair, and if people are generally helpful. While some surveys take an average of responses to these three questions, it seems that the concept of fairness is a little out of place. The author's experience of growing up in the former Soviet Union led her to believe that the concept of trust was not one of fairness at all, but of faith in people to behave consistently—and when someone said, "I trust you," it meant, "I trust you to behave as I know you will." Trust within this definition was a measure of consistency, of predictability—not of any extension of goodwill or faith. The ESS asks respondents to choose where they stand on a scale of 1 to 10, from "Most people try to take advantage of me" to "Most people try to be fair (henceforth called the FAIR question)." The other two questions range from "You can't be too careful—Most people can be trusted (TRUST)" and "People mostly look out for themselves—People mostly try to be helpful (HELP)." This paper will analyse subjective happiness and satisfaction with life with the inclusion of these measures of trust, in order to see if they differ in their importance to happiness and wellbeing, based on the belief that

fairness, within this context, is more a measure of consistency and predictability instead of goodwill.

Brief Overview of Literature

Böhnke (2007) provided a diagram of potential determinants of overall life satisfaction (See Figure 1). There were three main components of life satisfaction—the standard of living, social support, and perceptions of society. While it has been noted that survey data isn't the best gauge for feelings, especially across country, many researchers are still interested in evaluating self-reported emotional states (Caporale et al., 2009). Using questions from the European Quality of Life Survey, Böhnke (2007) grouped problems with accommodation, affordability of basic goods, making ends meet, and solvency problems into measures of the standard of living. Social support was composed of contact with friends and neighbours, whether one was living alone, if they had support in the case of an emergency, whether they were dissatisfied with their social/family life, and whether or not they perceived themselves as being left out of society. Perception of society was composed of trust in social systems, trust in other people, the perceived existence of tensions between certain social groups, and the quality of public services.

Figure 1. How to explain life satisfaction across countries

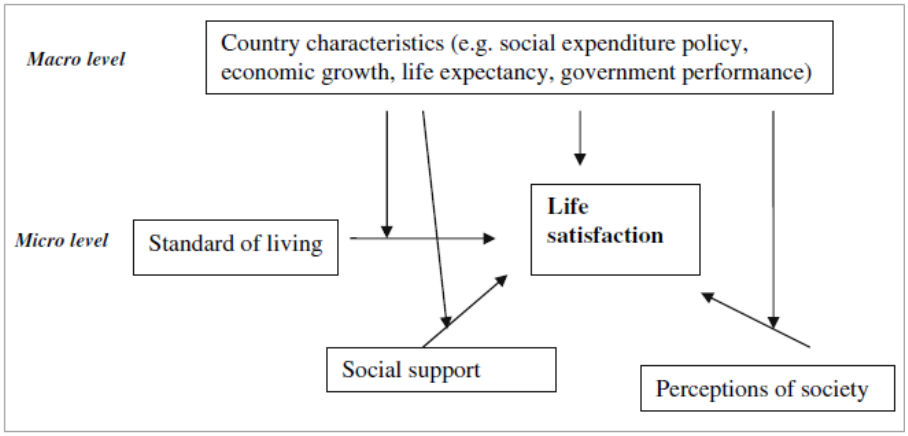


Image Source: Böhnke, 2007

Kafetsios (2006) the ESS to analyse the relationship between life satisfaction and happiness with age, net income, whether one was living with a partner, and the frequency of

social meetings using a multiple regression. Religion has been looked at extensively with regard to wellbeing, with evidence pointing to religious involvement rather than the beliefs themselves that are correlated with improved wellbeing (Diener, Suh, Lucas and Smith, 1999). Safi (2009) also measured the reported satisfaction levels using the ESS, and noted that their research as well as the literature pointed to a distinction between happiness and satisfaction, with satisfaction allowing for some judgemental cognitive processing of one's life experiences. Safi (2009) identified three factors that were important to wellbeing—the socio-demographic factor, socio-economic factors, and mental/physical health, and used an OLS regression to estimate wellbeing within particular populations. Table 1 describes these categorizations and their corresponding ESS variables. There are potentially curvilinear relationships to income; as basic needs are met other needs such as social needs become more important (Böhnke, 2007; Safi, 2009).

Table 1. Categorizations of Independent Variables from Safi (2009)

Socio-demographic	*ESS variables*	**Socio-economic**	*ESS variables*	**Physical/ Mental Health**	*ESS variables*
age (generally downwards and linear)	*<28 yrs, 28-40 yrs, 40-55 yrs, 55-65 yrs*	income (generally positive but not always linear)	*broke into four categories*	general health (poorer health negative linear)	*5 point scale, broken out*
gender (females generally happier)	*binary*	employment (unemployed negative relationship)	*unemployed in last 7 days, currently unemployed and unemployed in last 3 months, dummy for particular professional groups*		
education (generally upwards and linear)	*years of education*				
marital status (generally happier if married)	*no partner, no partner with children, couple, couple with children*				

Information Source: Safi, 2009

Finally, Helliwell (2003) found that trust was a significant predictor of overall wellbeing. However, it was not the overall measure of trust calculated between the three

questions but the first generalized trust question—"In general, do you think that people can be trusted, or alternatively, that you can't be too careful when dealing with people?" Reeskens and Hooge (2007), using the EES data from 2002 and 2004, found that the national score on the factor created from the three measures of trust was highly correlated over time, but that the equivalency of the questions within the factor varied across countries—the "helpful" trust variable in particular. The purpose of this paper is to analyse the nature of trust not across countries, but within one country. The manner in which generalized trust will be analysed will be to look at each component's relative effect on measures of happiness and satisfaction with life.

Data and Measurements

The data is from the 2012 European Social Survey, restricted to Poland. It is a cross-sectional dataset from a survey of respondents 15 years old and up. There are three weights: the design weight, the post-stratification weight and the population size weight. ESS recommends using either the design weight or the newer post-stratification weight which takes into account further errors of sampling when comparing data for only one country (Economic Social Survey, 2014). Therefore, the more sophisticated post-stratification weights will be used within the analysis.

The variables considered, other than age, are either binary or ordinal, with consecutive clear categories of increasing value. Originally, there was some concern about the use of ordinal variables within regression analysis, as the difference between 5 and 6 on a subjective scale of 1 to 10 may not be the same as the subjective difference between 6 and 7. However, as pointed out above, other researchers have used this data in standard multiple regressions without controlling for this potential source of error. Others have used ordinal logistic regression models with categorical survey data, more frequently when using a dependent variable with fewer categories, such as a 5 point agree-disagree scale (for

examples see Caporale et al., 2009; Jaeger, 2005). As this paper will look at 10 point ordinal variables, it will use standard multiple regression modelling.

There are two main hypotheses:

1H$_1$: The fairness measure of generalized trust will differ in its relationship to general life satisfaction from the general trust and helpfulness questions.

Formally, this can be expressed as:

$\beta_1 \neq \beta_2$, and

$\beta_1 \neq \beta_3$, where

β_1 is the multiple regression coefficient for FAIR, β_2 for TRUST, and β_3 for HELP.

2H$_1$: The fairness measure of generalized trust will be the same as the generalized trust and helpfulness questions in its relationship to happiness.

Formally, this can be expressed as:

$\beta_1 = \beta_2$, and

$\beta_1 = \beta_3$, where

β_1 is the multiple regression coefficient for FAIR, β_2 for TRUST, and β_3 for HELP.

The null hypotheses then are:

1H$_0$: The three items for trust will not differ in their relationship to satisfaction with life.

2H$_0$: The three items for trust will differ in their relationship to happiness and satisfaction with life.

While the model is formulated based on the literature about general life satisfaction, it will also be tested for satisfaction with the economy, the government, and the state of democracy, with the inclination that fairness will have a stronger coefficient than generalized trust or helpfulness.

Description of Data

There were 1,898 observations in the un-weighted Polish 2012 dataset. Instead of using years of education as a measure of education, this paper uses the variable EISCED from the ESS dataset, which is a harmonized educational achievement scale; years of schooling were correlated with it but not perfectly (European Social Survey, 2012). For all dependent and independent variables, answers of "Don't Know," "Refusal," and "No Answer" were coded to missing.

Independent Variables

Descriptions of the means, linearized standard errors, standard deviations and account of missing data can be seen in Table 2.

Table 2. Weighted means of independent variables

Scale	**Variable**	**Mean**	**S.E.**	**S.D.**	***n***
15-97	Age	47.28943	0.4443386	18.96176	*1898*
Binary	Female	0.5312494	0.0116163	0.499154	*1898*
2-26	Years of education	12.15843	.0831396	3.525485	*1878*
1 to 10, percentiles	Income percentile	5.115245	0.0703023	2.672509	*1486*
1 to 5, 1=very bad	Health*	3.651409	0.0217122	0.9219106	*1879*
1 to 7, 1=never	Social meetings	4.064799	0.0370111	1.579735	*1895*
Binary	Living with partner	0.6024015	0.0114062	0.4895306	*1878*
1-7, 1=every day	Attendance of religious events	3.920654	0.0316005	1.351227	*1898*
0-10, 0=not at all religious	Level of religiosity	6.272933	0.0606615	2.599952	*1865*
0-10, 0=you can't be too careful	People can be trusted	4.099255	0.0569623	2.433766	*1867*
0-10, 0=most people try to take advantage	People are fair	4.967177	0.056413	2.394638	*1892*
0-10, 0=people mostly look out for themselves	People are helpful	3.750813	0.0562345	2.378376	*1876*

*Note: Split into 5 binary variables in future analyses

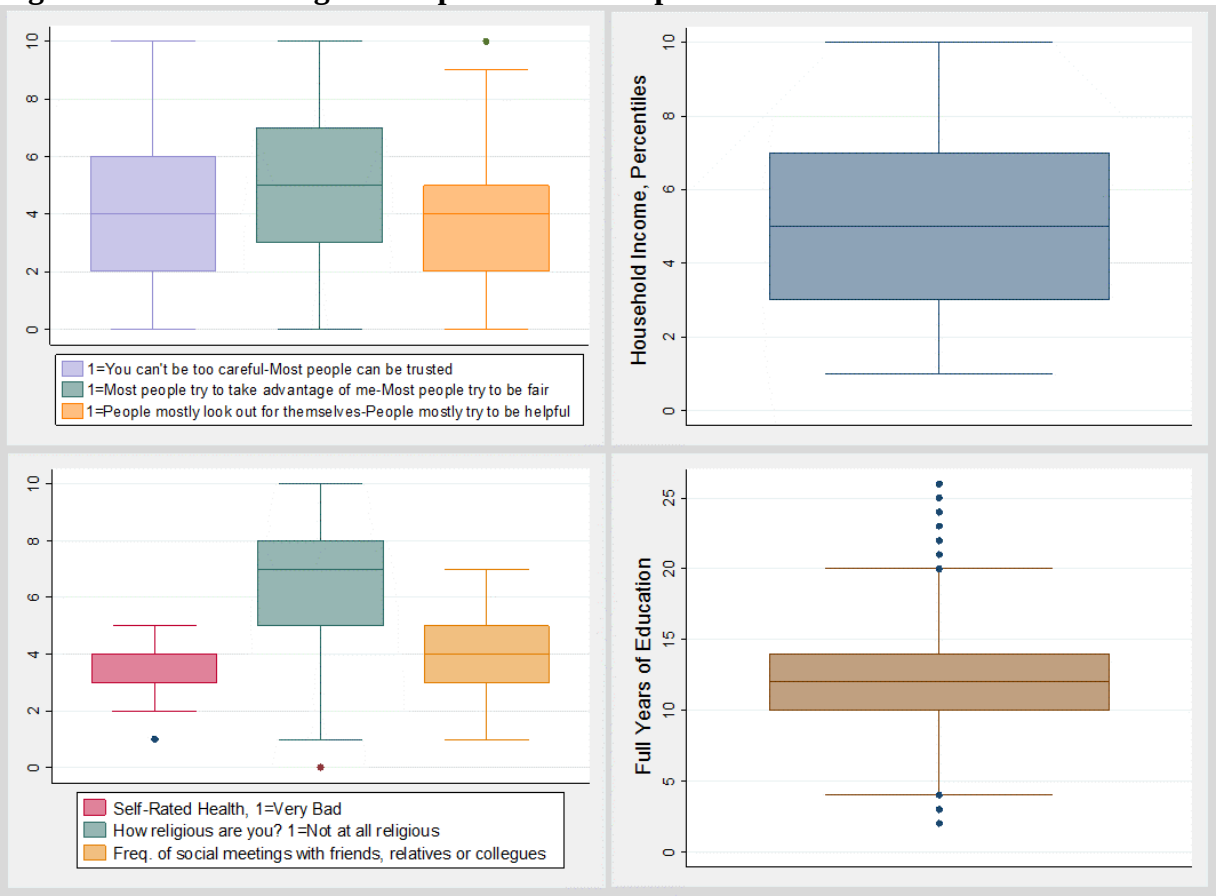
While Safi (2009) included several measures for employment status, the question wording put them within a very short time frame (activity in last 7 days), and therefore did not seem legitimate. Only household income percentile was used, but its inclusion reduces the sample size due to missing data, the majority of cases missing because they refused the

question or did not know the answer. A second variable measuring perceived adequacy of income, containing four categories, was more subjective and thus might have introduced collinearity into the model. Similarly to Safi (2009), age and health were broken down into five dummy variables. Years of education was not quite perfectly correlated with the standardized level of education variable (0.8796), but it was slightly more normally distributed (See appendix A). Children living at the house was excluded because it was difficult to determine whether or not the children were siblings, sons or daughters, or some other relation. Whether one was living with a partner or was married was highly correlated (0.9294), and thus only the broader category, living with a partner, was included. Instead of breaking income into four categories, it was kept as its original 10-category percentile item. Level of religiosity ("Regardless of whether you belong to a particular religion, how religious would you say you are?") was included, which is justified by a recent CBOS poll where 56% of Polish people identified as having no doubt of God's existence (Gazeta.pl, 2015). Number of social meetings ("Using this card, how often do you meet socially with friends, relatives or work colleagues?") was included as a measure of social support to fill out Saffi's (2009) model to better match Böhnke's (2007) paradigm. Finally, three measures of trust were included to test their influence on satisfaction and happiness, and are justified in their inclusion as fitting into social support within Böhnke's (2007) model. Not all variables outlined by Böhnke (2007) were available in the EES, which introduces the possibility of omitted variable bias.

The box charts within Figure 1 illustrate weighted dispersion of values within each of the independent variables. The first thing that sticks out is that there are quite a few outliers for years of full-time education (bottom right). It is also interesting to note that the 3 trust variables do have some variability in their dispersion. There may be some outliers within

these dependent variables, but more problematic outliers will be those identified with large residuals within the analysis.

Figure 1. Charts of weighted dispersion for independent variables



*Note: Scale is different for self-perceived health (1-5), level of religiosity (1-10), and social meetings frequency (1-7)

When looking the correlation matrix of independent variables from Table D-1 in Appendix D, there are three groups of high levels of correlation, but none of them too high to justify exclusion. Age and health are negatively correlated, years of education and income are positively correlated, and the three variables measuring trust were also moderately positively correlated. Age and income are negatively correlated, which is problematic as the relationship is generally found to be non-linear but curved. Indeed, the relationship rose and fell within the five age categories defined by Safi (2010), and for this reason they will be included in analysis instead. Contrary to Hooghe, Reeskens, Stolle and Trappers (2006), the correlation between trust variables and gender is minimal.

Dependent Variables

Table 3 shows the means of the dependent (and additional, for comparison) variables. It is nice to see that the mean score of general satisfaction and happiness both fall above 7 on a scale of 1-10. In Poland in 2012, satisfaction with the government was lowest, followed by satisfaction with the economy, satisfaction with democracy and then overall satisfaction being highest. All variables for satisfaction and happiness have standard deviations of about 2.2-2.3. There are again a few outliers identified in the weighted dispersion box charts in Figure 2, but outliers will be evaluated in terms of their residuals within the analysis.

Table 3. Weighted Descriptive statistics of dependent (and additional) variables

Scale	Variable	Mean	S.E.	S.D.	*n*
1-10, 1=extremely dissatisfied	Satisfaction with life	7.092601	0.0528617	2.26769	1887
…	Satisfaction with the economy	4.176678	0.0540001	2.267238	1834
…	Satisfaction with the government	3.384969	0.0544695	2.305137	1850
…	Satisfaction with the state of democracy	4.882103	0.0559694	2.343111	1802
1-10, 1=extremely unhappy	Happiness	7.306451	0.0472298	2.014381	1875

Figure 2. Charts of weighted dispersion for dependent variables

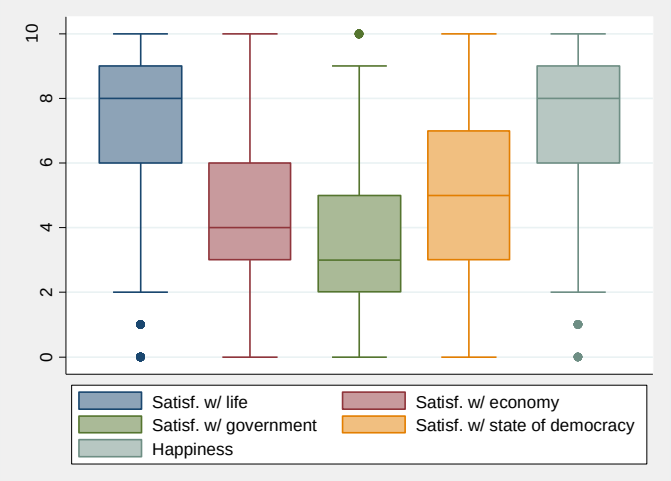


Table 4. Pairwise correlation matrix between dependent and independent variables					
	Satisfaction with life	Happiness	Satisfaction with economy	Satisfaction with government	Satisfaction with the state of democracy
Ages 15 to 27	0.1079***	0.0979***	0.1268***	0.0045	0.0881***
Ages 28 to 39	0.0517*	0.0940***	-0.0226	-0.0359	0.0188
Ages 40 to 54	-0.0765**	-0.0327	-0.0513*	0.0022	-0.0389
Ages 55 to 64	-0.0704**	-0.0735**	-0.0296	-0.0004	-0.0547*
Ages 65 and up	-0.0145	-0.0929***	-0.0245	0.0314	-0.0160
age	-0.1053***	-0.1554***	-0.0896***	0.0304	-0.0724**
female	-0.0189	0.0102	-0.0323	-0.0006	-0.0033
years of education	0.0479*	0.0909***	0.0096	0.0062	0.0582*
income percentile	0.2449***	0.2644***	0.1747***	0.1025***	0.1760***
health	-0.1156**	-0.1298**	-0.0616	-0.027	-0.0234
Health=1	-0.1689***	-0.2120***	-0.1117***	-0.0471*	-0.0613*
Health=2	-0.1336***	-0.1298***	-0.0976***	-0.0771***	-0.1195***
Health=3	0.0934***	0.0986***	0.0500*	0.0506*	0.0511*
Health=4	0.1927***	0.2181***	0.1448***	0.0666**	0.1215***
Health=5	0.1543***	0.1779***	0.1211***	0.0491*	0.0757**
religious (level)	0.1375***	0.1021***	0.0454	0.0494*	0.0292
living with partner	0.0784***	0.1577***	0.0046	-0.0055	-0.0186
TRUST	0.1590***	0.1748***	0.2146***	0.2264***	0.2514***
FAIR	0.1759***	0.1553***	0.2502***	0.2701***	0.2477***
HELP	0.1215***	0.1282***	0.1840***	0.2043***	0.1675***
*$p<0.05$, ** $p<0.01$, *** $p<0.001$					

The correlations in Table 4 between each type of satisfaction and happiness were significant at the 0.001 level for TRUST, FAIR, and HELP. The pairwise relationships to satisfaction with life and happiness, however, do not look that different, with HELP only being slightly lower. Thus some doubt is cast on the research hypotheses. The correlations between the trust variables were higher for satisfaction with the economy, government, and the state of democracy. The differences between the correlation coefficients for the three trust variables is more pronounced within satisfaction with the economy, government and state of democracy, with HELP still remaining lower and FAIR pulling ahead. This supports the general idea that the three measures of trust are potentially measuring separate things f their interactions with measures of satisfaction differ. General satisfaction with life and happiness

were positively correlated with income. As age increased, the correlation coefficients for general life satisfaction and happiness generally become more negative. Gender did not appear to be correlated to any of these satisfaction or happiness measures. As self-perceived health status got higher, satisfaction with life and happiness did as well. This was also true for the other forms of satisfaction, but was not as pronounced in terms of correlation coefficients.

This table shows the largest correlations of the chosen independent variables and satisfaction with life to be income and health. Gender is not highly correlated with any type of satisfaction or happiness. The correlation between satisfaction with life and age appears to be increasingly negative. Social meetings and level of reported religiosity are correlated with both happiness and satisfaction with life. Looking at the age groups, it appears that there is a decreasing relationship between age and life satisfaction and happiness.

The dependent variables, which will be looked at separately, are highly correlated between each other, as can be seen in Table A-1 in appendix A.

Regression Analysis

A standard multiple regression will be used. Zmerli, Newton and Montero, (2007) used the individual and factor-level trust variables from the EES survey in multiple regressions. Georgellis, Tsitsianis and Yin (2008) ran regressions using ESS data to look at predictors of overall life satisfaction using one group of variables at a time, with the last group included being the effect they were really interested in. This paper will use this method, with the results outlined in Table 5.

Table 5. Regression models for overall life satisfaction

	Model 1 b/se	Model 2 b/se	Model 3 b/se	Model 4 b/se	Model 5 b/se
ages 28 to 39	-0.321*	-0.176	0.06	0.005	0.056
	-0.15	-0.17	-0.17	-0.18	-0.18
ages 40 to 54	-0.795***	-0.694***	-0.281	-0.35	-0.348
	-0.16	-0.17	-0.18	-0.2	-0.2
ages 55 to 64	-0.801***	-0.587**	0.042	-0.1	-0.151
	-0.16	-0.18	-0.19	-0.2	-0.2
ages 65 and up	-0.471**	-0.325	0.587**	0.520*	0.443*
	-0.17	-0.2	-0.21	-0.23	-0.23
female	-0.075	0.016	0.07	-0.026	-0.054
	-0.11	-0.12	-0.11	-0.11	-0.11
Years of education	0.028	-0.026	-0.037	-0.023	-0.027
	-0.02	-0.02	-0.02	-0.02	-0.02
income percentile		0.220***	0.180***	0.179***	0.159***
		-0.03	-0.03	-0.03	-0.03
Health=2			0.957	0.991	0.74
			-0.68	-0.66	-0.66
Health=3			1.994**	1.903**	1.612*
			-0.65	-0.63	-0.64
Health=4			2.610***	2.481***	2.130**
			-0.66	-0.64	-0.65
Health=5			3.299***	3.103***	2.713***
			-0.67	-0.65	-0.66
social meetings				0.399**	0.435**
				-0.14	-0.14
religious (level)				0.171***	0.159***
				-0.04	-0.04
living with partner				0.145***	0.142***
				-0.03	-0.03
Trust					0.065*
					-0.03
Fair					0.101***
					-0.03
Help					-0.004
					-0.03
constant	7.282***	6.582***	4.090***	2.314**	2.114**
	-0.24	-0.28	-0.72	-0.73	-0.74
R-sqr	0.021	0.072	0.138	0.182	0.202
dfres	1868	1474	1474	1457	1424
BIC	.	.	.	.	.

* p<0.05, ** p<0.01, *** p<0.001

First, evaluating the whole of model 5, the residuals appeared to be normally distributed, but upon closer examination with a skewness and kurtosis test for normal distribution, the null hypothesis could not be denied that the residuals were not normally distributed (See Figure C-1 in appendix C). However, the coefficients still provide valuable

insights, and will be tested to see if they are significantly different from one another. Additionally, there are a few cases on the tails that could be considered outliers and may have undue influence on the model. However, with such a small scale, the outliers are not too far away from each other. With a smaller sample—for example, of 50 countries—this would be an issue of greater concern. Rather than removing potential outliers, they will be kept in the model.

Impact of age is lessens as more items are added into the model, and the sign of the coefficient changes for those ages 65 and up with the addition of health into the variable. This suggests that perhaps if you get old and still have your health and wealth, then you might find yourself sitting back in retirement being quite satisfied with life. Health had the largest relationship, with satisfaction with life going up 2.7 points by virtue of reporting your health as "Very good," within the model and holding everything constant. Model 4 ads social interactions and religion, which makes the model explain about 18% of the variation in general life satisfaction—still not too high. One movement up on the scale for social interactions—for example, moving from once a week to several times a week—would result in a little under half a point increase in general life satisfaction. The addition of TRUST, FAIR and HELP does little to explain additional variation, but the coefficients on FAIR (at the 0.001 level) and TRUST (at the 0.05 level) were significant. A one unit increase in FAIR—for example, from "most people try to take advantage of me" to 2—would have a corresponding 0.103 increase in satisfaction with life. This isn't very big, but it is significant and every little bit counts. Within model 5, the age dummy variables as a group, the health dummy variables as a group, and the trust dummy variables as a group are jointly significant (determined by a Wald's test).

One thing to note is that the income variable has lots of missing cases. An alternate regression on life satisfaction was run including a measure of perceived adequacy of income,

but was not used due to its only having 4 instead of 10 categories and potentially being more subjective; the regression output is in Appendix B.

An adjusted Wald's test will be used to compare the coefficients for TRUST, FAIR, and HELP—although HELP is not significant in this model. With a p-value of 0.4310, we cannot reject the null hypothesis ($1H_0$) that the coefficients for FAIR and TRUST are not significantly different within the regression for overall life satisfaction. With a p-value of 0.0227, we can reject the null hypothesis ($1H_0$) that the coefficients for FAIR and HELP are not significantly different and can accept the research hypothesis that they are significantly different at the 0.05 level with the regression for overall life satisfaction. **Therefore, the first null hypothesis is not fully rejected.** The difference between HELP and FAIR is not useful within this model, however, as the coefficient for HELP is not significantly different from 0.

The regression output for the Happiness model is in Table 6. It is first evident that the trust variables added in Model 5 do not add much explanatory power to the model. TRUST and FAIR are significant at the 0.05 level, although the coefficients are smaller with the same specifications for happiness than they are for overall life satisfaction.

Table 6. Regression models for overall happiness

	Model 1 b/se	Model 2 b/se	Model 3 b/se	Model 4 b/se	Model 5 b/se
ages 28 to 39	-0.048	0.039	0.272	0.082	0.128
	-0.14	-0.16	-0.15	-0.16	-0.16
ages 40 to 54	-0.483***	-0.377*	0.007	-0.193	-0.17
	-0.14	-0.16	-0.16	-0.17	-0.17
ages 55 to 64	-0.675***	-0.509**	0.07	-0.165	-0.182
	-0.15	-0.17	-0.17	-0.18	-0.18
ages 65 and up	-0.673***	-0.541**	0.305	0.172	0.1
	-0.16	-0.19	-0.19	-0.21	-0.2
female	0.085	0.122	0.177	0.141	0.115
	-0.09	-0.1	-0.1	-0.1	-0.1
education (level)	0.031*	-0.023	-0.033	-0.025	-0.032
	-0.01	-0.02	-0.02	-0.02	-0.02
income percentile		0.198***	0.161***	0.146***	0.135***
		-0.02	-0.02	-0.02	-0.02
Health=2			0.756	0.683	0.465
			-0.63	-0.61	-0.63
Health=3			1.836**	1.682**	1.420*
			-0.59	-0.58	-0.6
Health=4			2.295***	2.097***	1.772**
			-0.6	-0.58	-0.61
Health=5			3.045***	2.796***	2.453***
			-0.6	-0.59	-0.61
social meetings				0.677***	0.742***
				-0.12	-0.12
religious (level)				0.177***	0.170***
				-0.04	-0.04
living with partner				0.106***	0.106***
				-0.02	-0.02
Trust					0.058*
					-0.02
Fair					0.052*
					-0.03
Help					0.033
					-0.02
constant	7.273***	6.765***	4.534***	3.057***	2.884***
	-0.21	-0.25	-0.64	-0.66	-0.67
R-sqr	0.029	0.083	0.157	0.213	0.232
dfres	1859	1466	1466	1448	1416
BIC	.	.	.	.	.

* p<0.05, ** p<0.01, *** p<0.001

Model 1 explains very little of the variation in reported happiness levels. Model 2 is moderately better, with the inclusion of income drawing away influence from the separate age categories. As with the regression for overall life satisfaction, health has a significant and larger than income influence on happiness. Pausing for a moment to think about this—it

would make sense that a shift in perspective from wealth as the main pursuit of man to happiness economics, which falls under welfare economics, would stress free healthcare for all if it were strongly tied to happiness. Continuing on to Model 4, the coefficient for social meetings is similarly high as the coefficient for health in predicting happiness. Religion and living with one's partner were also significant. Adding trust into model 5 does little to explain additional variance in the reported level of happiness, but the coefficients on TRUST and FAIR are statistically significant at the 0.05 level. The residuals for Model 5 also appeared to be fairly normally distributed, but after a skewness-kurtosis test, the null hypothesis that the residuals were not normally distributed could not be rejected. The tail on the density graph was slightly longer on the left than the right for the residuals as well (See Appendix C).

As is evident from the size of the coefficients as well as from a Wald's test with a p-value of 0.9002, we can reject the second null hypothesis ($2H_0$) that the coefficients for FAIR and TRUST are similar in the regression for happiness, and accept the second research hypothesis ($2H_1$) are not significantly different from each other. With a Wald's test and p-value of 0.6275, we can also reject the second null hypothesis that the coefficients for FAIR and HELP are significantly different from each other, and **we can accept the second research hypothesis** that the coefficients are not significantly different from each other. However, **this does not lend support to or against the theory that fairness is a separate concept,** as the coefficients statistically but perhaps not practically significant, and there are still so many other factors that could have been included in a model for happiness.

As mentioned above, the ESS also provides data on other forms of satisfaction—satisfaction with the economy, government, and the state of democracy. Zmerli, Newton, and Montero (2008) using the ESS data found a significant relationship between trust and satisfaction with democracy. While the theoretical factors that predict satisfaction in the economy, government and democracy vary from the models that aim to predict overall

wellbeing, satisfaction with life or general happiness, the same model will be used here to look specifically at the potential differences in the strength of coefficients for the three trust variables. The output is reported in Table 7.

Table 7. Regression models for satisfaction with Economy, Government and Democracy

	Satisfaction with Economy b/se	Satisfaction with Government b/se	Satisfaction with state of Democracy b/se
ages 28 to 39	-0.545**	0.181	-0.235
	-0.18	-0.2	-0.2
ages 40 to 54	-0.339	0.646**	-0.245
	-0.2	-0.22	-0.21
ages 55 to 64	-0.213	0.664**	-0.231
	-0.21	-0.23	-0.21
ages 65 and up	-0.213	0.858***	0.021
	-0.25	-0.25	-0.24
female	-0.06	0.036	-0.045
	-0.12	-0.13	-0.12
education (level)	-0.051*	-0.012	-0.008
	-0.02	-0.02	-0.02
income percentile	0.127***	0.067**	0.121***
	-0.03	-0.03	-0.03
Health=2	0.559	0.518	0.654
	-0.58	-0.63	-0.7
Health=3	1.022	0.507	0.602
	-0.56	-0.61	-0.67
Health=4	1.209*	0.914	0.906
	-0.56	-0.62	-0.67
Health=5	1.578**	1.169	1.245
	-0.58	-0.64	-0.68
social meetings	0.128	-0.081	-0.01
	-0.14	-0.14	-0.15
religious (level)	0.118**	0.083	0.035
	-0.04	-0.04	-0.04
living with partner	0.046	0.024	0.052*
	-0.02	-0.03	-0.03
Trust	0.114***	0.100**	0.159***
	-0.03	-0.03	-0.03
Fair	0.141***	0.183***	0.137***
	-0.03	-0.03	-0.03
Help	0.071*	0.089**	0.05
	-0.03	-0.03	-0.03
constant	0.992	-0.222	1.653*
	-0.69	-0.73	-0.79
R-sqr	0.151	0.125	0.135
dfres	1393	1404	1369
BIC	.	.	.

* p<0.05, ** p<0.01, *** p<0.001

The residuals are more normally distributed for satisfaction with the economy and democracy than they were for satisfaction with life or happiness, but the model was not designed with these types of satisfaction in mind, and does not explain very much of the variance in satisfaction with the government. More of the variance could be potentially explained through the inclusion of additional variables such as political orientation, sense of individualism, or feelings about specific branches of government (Halman and Luijkx, 2006). Also, perhaps the original argument for differences in trust had more to do with society than they did with personal happiness or satisfaction, with FAIR being more related to consistency.

Health as "Good" or "Very Good" had a significant and large coefficient in the regression for satisfaction with the economy. Moving up one percentile in the income distribution would have a positive, but small, effect on satisfaction with the economy, government, or democracy. The coefficients on the trust variables are more spread out than they were for satisfaction with life or happiness. However, the differences between them cannot be rejected at the 0.05 level, except for the difference between the coefficients for TRUST and HELP within the regression for satisfaction with democracy. It appears that while HELP does not seem to help, the differences are not significant enough to rule out an extended null hypothesis.

In conclusion, the first null hypothesis is partially rejected and the second rejected, but only in the statistical sense and not the practical sense. Testing the differences between the three trust variables within the context of these models did not show there to be large differences between the three trust variables. The model, which was specified for satisfaction with life, did not produce normally distributed residuals, but the coefficients still provided insights into satisfaction. Perhaps another model, such as an ordered probit model, would have been a better strategy. It came to the author's attention that similar papers did not take

into account residual spread. As mentioned, perhaps theoretical differences in perceived general fairness in society have more to do with structural concepts like the government or economy than they do with personal satisfaction or happiness. This presents a potential area for further research using this data, which also provides measures of trust in different branches of government.

Appendix A. Distributions

Figure A-1. Distributions for independent variables, TRUST, FAIR and HELP

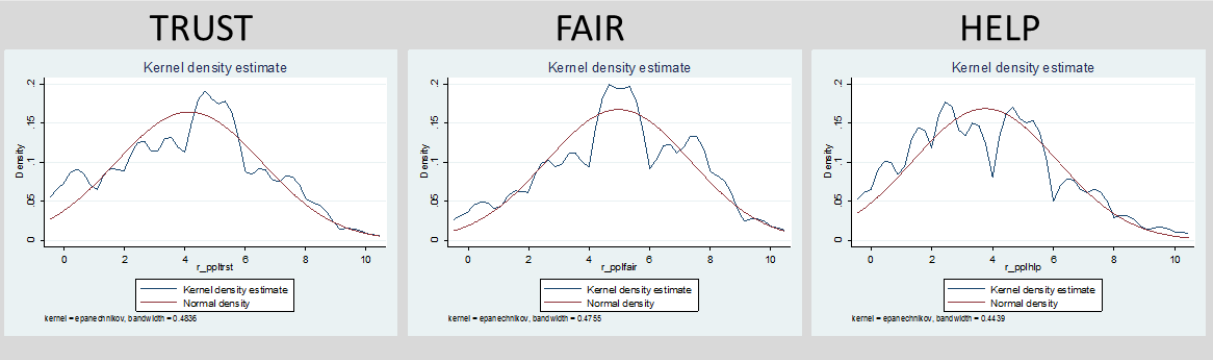


Figure A-2. Distributions for independent variables, other

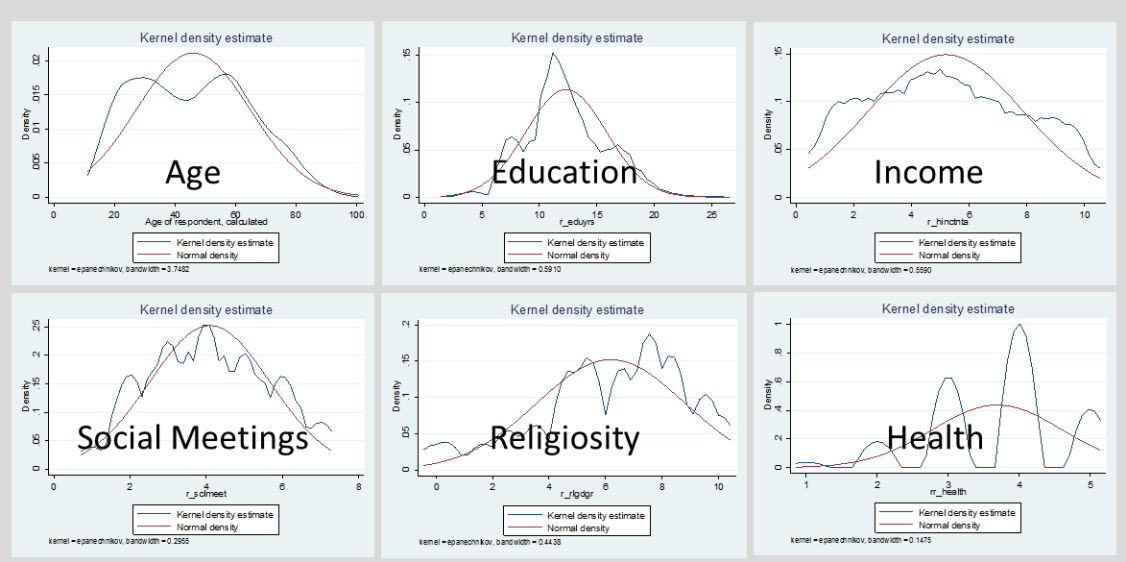


Figure A-3. Distributions for dependent variables, other

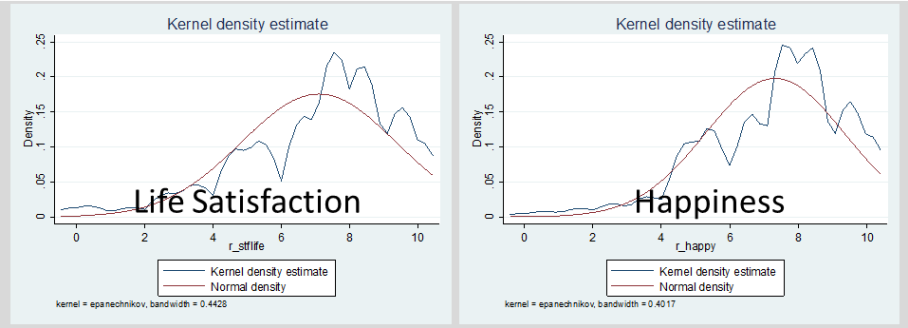


Table A-1. Pairwise correlation matrix between dependent variables

	Satisfaction with life	Happiness	Satisfaction with economy	Satisfaction with government	Satisfaction with state of democracy
Satisfaction with life	1				
Happiness	0.6922***	1			
Satisfaction with economy	0.3899***	0.3235***	1		
Satisfaction with government	0.2525***	0.2213***	0.6626***	1	
Satisfaction w/ state of democracy	0.3107***	0.2682***	0.5840***	0.6489***	1

**p<0.05, ** p<0.01, *** p<0.001*

Appendix B. Alternate Measure for Income

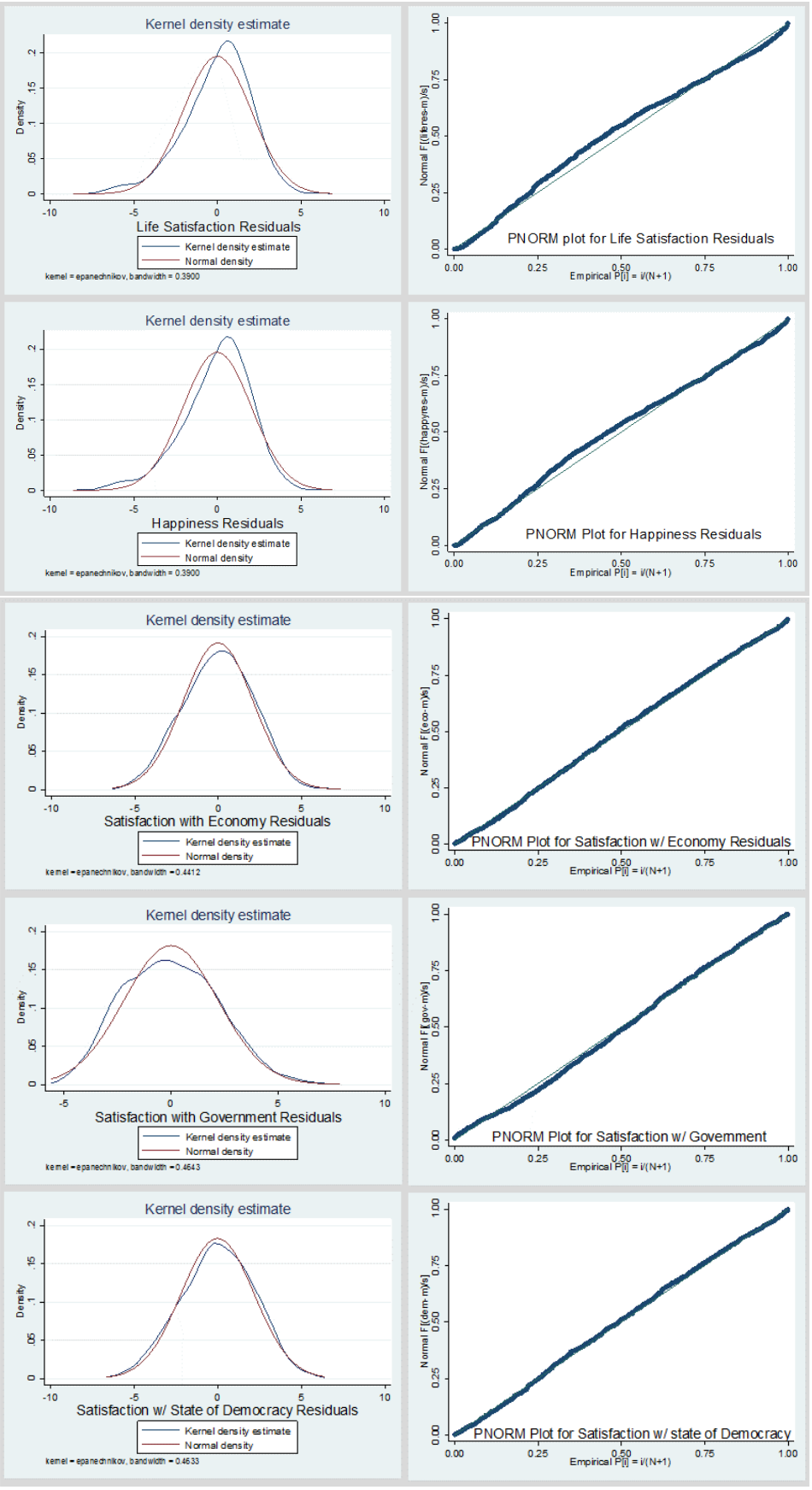
The Model in Table B-1 was run without income but with perceived adequacy of income, which has a smaller scale and thus isn't as well suited for a multiple regression model that treats it as continuous. The variable that measures reported adequacy of income was reverse-coded so that 1=very difficult on present income, and 4=living comfortably on present income. It is a much more subjective evaluation and thus it would make sense that it would more accurately measure subjective overall life satisfaction. It may also be taking into account other subjective evaluations, and would require an analysis on what predicts differences in perceived adequacy of income. The coefficient on fairness becomes smaller when using the alternate measure of income. Using the second measure of income improves the model, but is less reliable for the reasons mentioned above.

Table B-1. Regression models for overall life satisfaction, alternate income measure

	Model 1	Model 2	Model 3	Model 4	Model 5
ages 28 to 39	-0.346*	-0.135	0.027	-0.104	-0.075
	-0.15	-0.14	-0.14	-0.16	-0.16
ages 40 to 54	-0.788***	-0.477**	-0.136	-0.283	-0.275
	-0.16	-0.15	-0.15	-0.18	-0.18
ages 55 to 64	-0.771***	-0.397*	0.138	-0.076	-0.146
	-0.16	-0.16	-0.17	-0.18	-0.18
ages 65 and up	-0.466**	-0.023	0.739***	0.610**	0.534**
	-0.16	-0.16	-0.17	-0.19	-0.19
female	-0.115	-0.012	0.042	-0.045	-0.054
	-0.11	-0.1	-0.1	-0.1	-0.1
education (level)	0.099***	-0.002	-0.017	0.015	-0.003
	-0.03	-0.03	-0.03	-0.03	-0.03
Adequacy of income		1.243***	1.062***	0.978***	0.928***
		-0.09	-0.1	-0.09	-0.09
Health=2			0.655	0.753	0.421
			-0.63	-0.58	-0.59
Health=3			1.289*	1.313*	0.99
			-0.61	-0.56	-0.57
Health=4			1.883**	1.914***	1.521**
			-0.61	-0.57	-0.58
Health=5			2.495***	2.439***	2.001***
			-0.62	-0.58	-0.59
social meetings				0.457***	0.505***
				-0.12	-0.12
religious (level)				0.161***	0.153***
				-0.04	-0.04
living with partner				0.150***	0.146***
				-0.02	-0.02
Trust					0.052*
					-0.02
Fair					0.079**
					-0.03
Help					0.012
					-0.02
constant	7.293***	3.934***	2.411***	0.808	0.787
	-0.15	-0.3	-0.66	-0.65	-0.67
R-sqr	0.025	0.138	0.179	0.221	0.232
dfres	1881	1867	1866	1831	1781
BIC	.	.	.	.	.

* p<0.05, ** p<0.01, *** p<0.001

Appendix C. Model Residuals



Appendix D. Correlation Tables Between Dependent Variables

Table D-1. Pairwise correlations between dependent variables

	Age	female	Yrs. of education	Income percentile	Health=1	Health=2	Health=3	Health=4	Health=5	Social meetings	Religiosity	Living w/ partner	TRUST	FAIR	HELP
Age	1														
female	0.0697*	1													
Yrs. of education	-0.3297***	0.0039	1												
Income percentile	-0.2119***	-0.1070***	0.4340***	1											
Health=1	0.1467***	-0.0097	-0.1100***	-0.0747*	1										
Health=2	0.2735***	0.0591**	-0.1992***	-0.1958***	-0.0382***	1									
Health=3	0.3269***	0.0496*	-0.1283***	-0.1371***	-0.0807***	-0.1854***	1								
Health=4	-0.1986***	-0.0115	0.1846***	0.1585***	-0.1147***	-0.2636***	-0.5564***	1							
Health=5	-0.3683***	-0.0819***	0.0872***	0.1314***	-0.0604***	-0.1388***	-0.2930***	-0.4167***	1						
Social meetings	-0.3785***	-0.0436	0.0582*	0.0434	-0.0555	-0.1169***	-0.1504***	0.0503*	0.2124***	1					
Religiosity	0.2118***	0.1730***	-0.2217***	-0.1764***	0.0593*	0.0716**	0.0677**	-0.0925***	-0.03	-0.0563	1				
Living w/ partner	0.1917***	-0.0851***	0.1551***	0.2629***	-0.0309	-0.0671**	0.0902***	0.0454*	-0.1065***	-0.2330***	0.0248	1			
TRUST	-0.0704**	-0.0071	0.1192***	0.1532***	-0.0635*	-0.0783**	-0.0739**	0.0609**	0.0842***	0.0943***	-0.046	-0.0282	1		
FAIR	-0.0026	0.0387	0.0308	0.0863***	-0.0639*	-0.0402	-0.0473*	0.0373	0.0561*	0.0823***	0.0374	-0.0352	0.4223***	1	
HELP	-0.0329	0.0549*	0.0307	0.0531*	-0.0176	-0.0491	-0.051*	0.067*	0.0136	0.0703**	0.069**	-0.0517*	0.3412***	0.3928***	1

**p<0.05, **p<0.01, ***p<0.001*

	age15_27	age28_39	age40_54	age55_64	age65_up
TRUST	0.0506*	0.0295	-0.019	0.0026	-0.0663**
FAIR	0.0519*	-0.0138	-0.0613**	-0.029	0.0564*
HELP	0.0359	0.0359	-0.028	-0.0658**	0.0205

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***look at trust and happiness

DO FILE

```
log close

log using N:\QuantMeth\mylog.log, replace

cd N:\QuantMeth\ESS6PL.stata

*setting the directory so I can download specific user-written programs when using remote desktop

sysdir set PLUS "N:\Stata\ADO"

sysdir

ssc install corr_svy

ssc install estout

use "N:\QuantMeth\ESS6PL.stata\ESS6PL.dta", clear

describe

svyset _n [pw=pspwght]

svydescribe


*y=r_happy r_stflife

*x=trust: r_ppltrst r_pplfair r_pplhlp

*x, controls: agea r_hinctnta living_w_partner r_sclmeet rr_health

*x, controls, potential split of age groups: age16_24 age25_34 age35_44 age45_54 age55_64 age65_up


*RECODING TO SYSTEM MISSING

foreach var of varlist ppltrst pplfair pplhlp trstprl trstlgl trstplc trstplt trstprt trstep trstun tvtot tvpol hinctnta eduyrs eisced lrscale stflife stfgov stfeco stfdem stfedu stfhlth rlgdgr rlgatnd implvdm dmcntov happy fairelcc dspplvtc sclmeet dfprtalc oppcrgvc medcrgvc meprinfc rghmgprc votedirc cttresac gptpelcc gvctzpvc gvexpdcc grdfincc pltaviec {

gen r_`var'=`var'

replace r_`var'=. if `var'==99|`var'==88|`var'==77|`var'==55

}

foreach var of varlis polintr domicil health lfwrs sclact aesfdrk hincfel{

gen r_`var'=`var'

replace r_`var'=. if `var'==8|`var'==9

}


*http://www.tandfonline.com/doi/pdf/10.1080/00036840500368094 use categorical dependent variables without transformation

*http://discovery.ucl.ac.uk/14315/1/14315.pdf uses EES survey, shows graphs you can use to show differences, frequency tables, but only used correlation coefficients--but did show the means of attitudes

*http://www.jstor.org/stable/pdf/10.1086/588220.pdf?acceptTC=true&jpdConfirm=true does not use EES data but offers great wording for how to justify the use of categorical variables, and the caveats hat come with them
```

*http://storre.stir.ac.uk/bitstream/1893/8830/1/Delaney_2007_Social_Capital_and_Self-Rated_Health.pdf uses multiple regression, EES

http://download-v2.springer.com/static/pdf/428/art%253A10.1007%252Fs11205-005-4859-2.pdf?token2=exp=1430069938~acl=%2Fstatic%2Fpdf%2F428%2Fart%25253A10.1007%25252Fs11205-005-4859-2.pdf~hmac=5e954a7660d7a0a781295cd7b55da7d2f1d428b8166299d9f055fdb9dd346738 EES, multiple regression

*http://www.baylorisr.org/wp-content/uploads/2013-PRS-Religious-Behavior-Health-Well-Being.pdf : use of living with partner as close approximation of marital status

*http://www.baylorisr.org/wp-content/uploads/2013-PRS-Religious-Behavior-Health-Well-Being.pdf use of EES data for happiness, wellbeing and health

*http://www.ats.ucla.edu/stat/stata/faq/dummy.htm testing the inclusion of all categories of a variable

```
gen living_w_part=0

replace living_w_part=1 if icpart1==1


gen married=0

replace married=1 if maritalb==1

corr_svy living_w_part married [pw=pweight], pw star(0.0001)


*reverse code health (5 was worst)

gen rr_health=r_health

replace rr_health=1 if r_health==5

replace rr_health=2 if r_health==4

replace rr_health=3 if r_health==3

replace rr_health=4 if r_health==2

replace rr_health=5 if r_health==1


**reverse code hincfel (4 was worst)

gen rr_hincfel=r_hincfel

replace rr_hincfel=1 if r_hincfel==4

replace rr_hincfel=2 if r_hincfel==3

replace rr_hincfel=3 if r_hincfel==2

replace rr_hincfel=4 if r_hincfel==1


gen female=0

replace female=1 if gndr==2


gen employed_above20=0
```

```
replace employed_above20=1 if agea>=20 & pdwrk==1 & female==1


gen childhouse=0
replace childhouse=1 if chldhm==1


*generating age groupings
gen age15_27=0
replace age15_27=1 if agea>=15 & agea<=27
gen age28_39=0
replace age28_39=1 if agea>=28 & agea<=39
gen age40_54=0
replace age40_54=1 if agea>=40 & agea<=54
gen age55_64=0
replace age55_64=1 if agea>=55 & agea<=64
gen age65_up=0
replace age65_up=1 if agea>=65


kdensity agea, norm
kdensity r_hinct, norm
kdensity rr_health, norm
kdensity r_sclmeet, norm
kdensity r_rlgdgr, norm
kdensity r_ppltrst, norm
kdensity r_pplfair, norm
kdensity r_pplhlp, norm
kdensity r_eisced, norm
kdensity r_eduyr, norm
kdensity r_stflife, norm
kdensity r_happy, norm



*rr_health doesn't look too good; perhaps we can break it apart
tabulate rr_health, gen (h_)
*hinct doesn't look so great either, maybe we can use feelings of adequacy of income
tabulate r_hinctnta, generate(inc_)
```

```
tabulate rr_hincfel, gen (incfeel_)

*education, eisced doesn't look normal at all, use r_eduyr.

*considered splitting into 5 categories, as do http://www.sciencedirect.com/science/article/pii/S0167487008000809

corr_svy r_eduyr r_eisced [pw=pweight], pw star(0.0001)

corr r_hinctnta r_hincfel


twoway (scatter r_stflife r_pplfair) (lfit r_stflife r_pplfair) (lowess r_stflife r_pplfair)

*pplfair curves down a little at the end, looks like there are some outliers?

twoway (scatter r_stflife r_ppltrst) (lfit r_stflife r_ppltrst) (lowess r_stflife r_ppltrst)

*ppl trust curves down at the end, looks like there are some outliers?

twoway (scatter r_stflife agea) (lfit r_stflife agea) (lowess r_stflife agea)

*age is curvy, justifies adding the categories in as dummies (or transforming it)

twoway (scatter r_stflife r_hinctnta) (lfit r_stflife r_hinctnta) (lowess r_stflife r_hinctnta)

twoway (scatter r_stflife r_rlgdgr) (lfit r_stflife r_rlgdgr) (lowess r_stflife r_rlgdgr)


****running means for independent variables

foreach var of varlist agea female r_eduyr r_hinct rr_hincfel rr_health r_sclmeet living_w_part r_rlgdgr r_ppltrst r_pplfair
r_pplhlp {

svy: mean `var'

estat sd

}


graph box r_ppltrst r_pplfair r_pplhlp [pw=pspwght]

graph box  r_hinct [pw=pspwght]

graph box  r_eduyr [pw=pspwght]

graph box  rr_health r_rlgdgr r_sclmeet [pw=pspwght]

graph box  r_rlgdgr r_sclmeet  [pw=pspwght]

graph box  r_stflife r_stfeco r_stfgov r_stfdem r_happy [pw=pspwght]

graph box agea [pw=pspwght]


***INDEPENDENT VARIABLE CORRELATIONS

corr_svy agea female r_eduyr r_hinct h_1 h_2 h_3 h_4 h_5 r_sclmeet r_rlgdgr living_w_part r_ppltrst r_pplfair r_pplhlp
[pw=pweight], pw star(0.05)

corr_svy agea female r_eduyr r_hinct h_1 h_2 h_3 h_4 h_5 r_sclmeet r_rlgdgr living_w_part r_ppltrst r_pplfair r_pplhlp
[pw=pweight], pw star(0.01)

corr_svy agea female r_eduyr r_hinct h_1 h_2 h_3 h_4 h_5 r_sclmeet r_rlgdgr living_w_part r_ppltrst r_pplfair r_pplhlp
[pw=pweight], pw star(0.001)
```

```
corr_svy age15_27 age28_39 age40_54 age55_64 age65_up r_ppltrst r_pplfair r_pplhlp  [pw=pweight], pw star(0.05)

corr_svy age15_27 age28_39 age40_54 age55_64 age65_up r_ppltrst r_pplfair r_pplhlp  [pw=pweight], pw star(0.01)

corr_svy age15_27 age28_39 age40_54 age55_64 age65_up r_ppltrst r_pplfair r_pplhlp  [pw=pweight], pw star(0.001)


***DEPENDENT VARIABLE CORRELATIONS

foreach var of varlist age15_27 age28_39 age40_54 age55_64 age65_up agea female r_eduyr r_hinct h_1 h_2 h_3 h_4 h_5 r_sclmeet r_rlgdgr living_w_part r_ppltrst r_pplfair r_pplhlp {

corr_svy `var' r_stflife [pw=pweight], pw star(0.05)

corr_svy `var' r_stflife [pw=pweight], pw star(0.01)

corr_svy `var' r_stflife [pw=pweight], pw star(0.001)

}

foreach var of varlist age15_27 age28_39 age40_54 age55_64 age65_up agea female r_eduyr r_hinct h_1 h_2 h_3 h_4 h_5 r_sclmeet r_rlgdgr living_w_part r_ppltrst r_pplfair r_pplhlp {

corr_svy `var' r_stfeco [pw=pweight], pw star(0.05)

corr_svy `var' r_stfeco [pw=pweight], pw star(0.01)

corr_svy `var' r_stfeco [pw=pweight], pw star(0.001)

}

foreach var of varlist age15_27 age28_39 age40_54 age55_64 age65_up agea female r_eduyr r_hinct h_1 h_2 h_3 h_4 h_5 r_sclmeet r_rlgdgr living_w_part r_ppltrst r_pplfair r_pplhlp {

corr_svy `var' r_stfgov [pw=pweight], pw star(.05)

corr_svy `var' r_stfeco [pw=pweight], pw star(0.01)

corr_svy `var' r_stfeco [pw=pweight], pw star(0.001)

}

foreach var of varlist age15_27 age28_39 age40_54 age55_64 age65_up agea female r_eduyr r_hinct h_1 h_2 h_3 h_4 h_5 r_sclmeet r_rlgdgr living_w_part r_ppltrst r_pplfair r_pplhlp {

corr_svy `var' r_stfdem [pw=pweight], pw star(.05)

corr_svy `var' r_stfdem [pw=pweight], pw star(.01)

corr_svy `var' r_stfdem [pw=pweight], pw star(.001)

}

foreach var of varlist age15_27 age28_39 age40_54 age55_64 age65_up agea female r_eduyr r_hinct h_1 h_2 h_3 h_4 h_5 r_sclmeet r_rlgdgr living_w_part r_ppltrst r_pplfair r_pplhlp {

corr_svy `var' r_happy [pw=pweight], pw star(.05)

corr_svy `var' r_happy [pw=pweight], pw star(.01)

corr_svy `var' r_happy [pw=pweight], pw star(.001)

}
```

```
***CORRELATIONS BETWEEN DEPENDENT VARIABLES

corr_svy r_stflife r_happy r_stfeco r_stfgov r_stfdem [pw=pweight], pw star(0.001)

corr_svy r_stflife r_happy r_stfeco r_stfgov r_stfdem [pw=pweight], pw star(0.01)

corr_svy r_stflife r_happy r_stfeco r_stfgov r_stfdem [pw=pweight], pw star(0.05)



svy: regress r_stfgov r_trstprl r_trstlgl r_trstplc r_trstplt r_trstprt r_trstep r_trstun r_tvtot r_tvpol


*_____________________________________________________________________________________________________

*_____________________________________________________________________________________________________


***LIFE SATISFACTION, PERCENTILE INCOME USED, START***

***slowly adding in sections, regression

***Regressions

svy: regress r_stflife age28_39 age40_54 age55_64 age65_up female r_eduyr

estimates store m1, title(demo)

svy: regress r_stflife age28_39 age40_54 age55_64 age65_up female r_eduyr r_hinct

estimates store m2, title(inc)

svy: regress r_stflife age28_39 age40_54 age55_64 age65_up female r_eduyr r_hinct h_2 h_3 h_4 h_5

estimates store m3, title(health)

svy: regress r_stflife age28_39 age40_54 age55_64 age65_up female r_eduyr r_hinct h_2 h_3 h_4 h_5 living_w_part
r_sclmeet r_rlgdgr

estimates store m4, title(social)

svy: regress r_stflife age28_39 age40_54 age55_64 age65_up female r_eduyr r_hinct h_2 h_3 h_4 h_5 living_w_part
r_sclmeet r_rlgdgr r_ppltrst r_pplfair r_pplhlp

estimates store m5, title(trust)


estout m1 m2 m3 m4 m5, cells(b(star fmt(3)) se(par fmt(2)))   ///

  legend label varlabels(_cons constant)            ///

  stats(r2 df_r bic, fmt(3 0 1) label(R-sqr dfres BIC))


*testing normal distribution of residuals

svy: regress r_stflife age28_39 age40_54 age55_64 age65_up female r_eduyr r_hinct h_2 h_3 h_4 h_5 living_w_part
r_sclmeet r_rlgdgr r_ppltrst r_pplfair r_pplhlp

predict liferes, r

predict lifehat
```

scatter lifehat r_stflife

pnorm liferes

sktest liferes

kdensity liferes, norm

**they are NOT... instead of transforming anything I will try restricting the sample

svy, subpop(female): regress r_stflife age28_39 age40_54 age55_64 age65_up r_eduyr r_hinct h_2 h_3 h_4 h_5 living_w_part r_sclmeet r_rlgdgr r_ppltrst r_pplfair r_pplhlp

predict f_satisfresid, r

sktest f_satisfresid

pnorm f_satisfresid

*still no good.

linktest

**testing for joint significance

*heteroskedasticity not tested in survey data? http://www.stata.com/statalist/archive/2011-03/msg01095.html

test age28_39 age40_54 age55_64 age65_up

test h_2 h_3 h_4 h_5

test r_ppltrst r_pplfair r_pplhlp

svy: regress r_stflife age28_39 age40_54 age55_64 age65_up female r_eduyr r_hinct h_2 h_3 h_4 h_5 living_w_part r_sclmeet r_rlgdgr r_ppltrst r_pplfair r_pplhlp

test _b[r_ppltrst]=_b[r_pplfair]

test _b[r_pplhlp]=_b[r_pplfair]

LIFE SATISFACTION, PERCENTILE INCOME USED, OVER

*_____

*_____

HAPPINESS, SPLIT EDU AND PERCENTILE INCOME USED, START

svy: regress r_happy age28_39 age40_54 age55_64 age65_up female r_eduyr

estimates store m1, title(demo)

```
svy: regress r_happy age28_39 age40_54 age55_64 age65_up female r_eduyr r_hinct

estimates store m2, title(inc)

svy: regress r_happy age28_39 age40_54 age55_64 age65_up female r_eduyr r_hinct h_2 h_3 h_4 h_5

estimates store m3, title(health)

svy: regress r_happy age28_39 age40_54 age55_64 age65_up female r_eduyr r_hinct h_2 h_3 h_4 h_5 living_w_part
r_sclmeet r_rlgdgr

estimates store m4, title(social)

svy: regress r_happy age28_39 age40_54 age55_64 age65_up female r_eduyr r_hinct h_2 h_3 h_4 h_5 living_w_part
r_sclmeet r_rlgdgr r_ppltrst r_pplfair r_pplhlp

estimates store m5, title(trust)


estout m1 m2 m3 m4 m5, cells(b(star fmt(3)) se(par fmt(2)))   ///

  legend label varlabels(_cons constant)            ///

  stats(r2 df_r bic, fmt(3 0 1) label(R-sqr dfres BIC))


*testing normal distribution of residuals

svy: regress r_happy age28_39 age40_54 age55_64 age65_up female r_eduyr r_hinct h_2 h_3 h_4 h_5 living_w_part
r_sclmeet r_rlgdgr r_ppltrst r_pplfair r_pplhlp

predict happyres, r

predict happyhat

scatter happyhat r_happy


pnorm happyres

*sktest doesn't work with pweights

sktest happyres

kdensity liferes, norm


svy: regress r_happy age28_39 age40_54 age55_64 age65_up female r_eduyr r_hinct h_2 h_3 h_4 h_5 living_w_part
r_sclmeet r_rlgdgr r_ppltrst r_pplfair r_pplhlp

test _b[r_ppltrst]=_b[r_pplfair]

test _b[r_pplhlp]=_b[r_pplfair]


*_____________________________________________________________________________________________

*SATISFACTION WITH ECONOMY, GOVERNMENT, AND DEMOCRACY

*_____________________________________________________________________________________________

svy: regress r_stfeco age28_39 age40_54 age55_64 age65_up female r_eduyr r_hinct h_2 h_3 h_4 h_5 living_w_part
r_sclmeet r_rlgdgr r_ppltrst r_pplfair r_pplhlp
```

```
estimates store m1, title(trust)

predict eco, r

pnorm eco

qnorm eco

kdensity eco, norm

sktest eco

test _b[r_ppltrst]=_b[r_pplfair]

test _b[r_pplhlp]=_b[r_pplfair]

test _b[r_pplhlp]=_b[r_ppltrst]


svy: regress r_stfgov age28_39 age40_54 age55_64 age65_up female r_eduyr r_hinct h_2 h_3 h_4 h_5 living_w_part
r_sclmeet r_rlgdgr r_ppltrst r_pplfair r_pplhlp

estimates store m2, title(trust)

predict gov, r

pnorm gov

qnorm gov

kdensity gov, norm

sktest gov

test _b[r_ppltrst]=_b[r_pplfair]

test _b[r_pplhlp]=_b[r_pplfair]

test _b[r_pplhlp]=_b[r_ppltrst]


svy: regress r_stfdem age28_39 age40_54 age55_64 age65_up female r_eduyr r_hinct h_2 h_3 h_4 h_5 living_w_part
r_sclmeet r_rlgdgr r_ppltrst r_pplfair r_pplhlp

estimates store m3, title(trust)

predict dem, r

pnorm dem

qnorm dem

kdensity dem, norm

sktest dem

test _b[r_ppltrst]=_b[r_pplfair]

test _b[r_pplhlp]=_b[r_pplfair]

test _b[r_pplhlp]=_b[r_ppltrst]


estout m1 m2 m3, cells(b(star fmt(3)) se(par fmt(2)))   ///

  legend label varlabels(_cons constant)            ///
```

stats(r2 df_r bic, fmt(3 0 1) label(R-sqr dfres BIC))

*****EXPLORATORY

*_____

*lrtest to test between models doesn't work with weighted survey data, so will not compare between models 4 and 5.lrtest m1 m2 (http://www.ats.ucla.edu/stat/stata/faq/nested_tests.htm)

***testing hypothesis 1, that the coefficients for FAIR is significantly different than the coefficient for TRUST and HELP.

*using adjusted Wald's test, which is a compatible post-estimation command with svy data.

*https://www3.nd.edu/~rwilliam/stats2/l42.pdf

svy: regress r_stflife age28_39 age40_54 age55_64 age65_up female r_eisced r_hinct rr_health living_w_part r_sclmeet r_rlgdgr r_ppltrst r_pplfair r_pplhlp

test age28_39 age40_54 age55_64 age65_up

*age is jointly significant, can't remove

test r_ppltrst r_pplfair r_pplhlp

*the variables on trust are jointly significant. Now, are they different?

svy: regress r_stflife age28_39 age40_54 age55_64 age65_up female r_eisced r_hinct rr_health living_w_part r_sclmeet r_rlgdgr r_ppltrst r_pplfair r_pplhlp

test _b[r_ppltrst]=_b[r_pplfair]

*we cannot reject the null hypothesis that the coefficients for TRUST and FAIR are the same

test _b[r_pplhlp]=_b[r_pplfair]

*we can reject the null hypothesis that the coefficients for HELP and FAIR are the same, and accept the research hypothesis that they differ (at p<0.05)

predict e, resid

kdensity e, norm

stem e

*other measures looking for outliers are not possible after survey estimatation (dfit, dfbeta...)

*rvf and lvr plots not possible with svy data, but done anyway to examine points with potential leverage

regress r_happy age28_39 age40_54 age55_64 age65_up female r_eisced r_hinct rr_health living_w_part r_sclmeet r_rlgdgr r_ppltrst r_pplfair r_pplhlp

predict resid, r

rvfplot

lvr2plot

*in the pnorm plot, the residuals do not deviate much from the normal line.

graph twoway (lfit resid r_pplfair) (scatter resid r_pplfair)

graph twoway (lfit resid r_ppltrst) (scatter resid r_ppltrst)

graph twoway (lfit resid r_pplhlp) (scatter resid r_pplhlp)

graph twoway (lfit resid rr_health) (scatter resid rr_health)

graph twoway (lfit resid r_hinct) (scatter resid r_hinct)

graph twoway (lfit resid r_sclmeet) (scatter resid r_sclmeet)

graph twoway (lfit resid r_rlgdgr) (scatter resid r_rlgdgr)

scatter resid r_pplfair

scatter resid r_ppltrst

scatter resid r_hinct

scatter resid rr_health

scatter resid r_sclmeet

scatter resid r_eisced

stem e

gen happy_res=1

replace happy_res=0 if e<=-6

*only seven cases on the left tail equal to or lower than -6; doesn't seem worth it to remove them.

svy, subpop(happy_res): regress r_happy age28_39 age40_54 age55_64 age65_up female r_eisced r_hinct rr_health living_w_part r_sclmeet r_rlgdgr r_ppltrst r_pplfair r_pplhlp

*_____

*_____

*APPENDIX B, SECOND INCOME VARIABLE

***using second measure of income, reverse coded

svy: regress r_stflife age28_39 age40_54 age55_64 age65_up female r_eisced

estimates store m1, title(demo)

```
svy: regress r_stflife age28_39 age40_54 age55_64 age65_up female r_eisced rr_hincfel

estimates store m2, title(inc)

svy: regress r_stflife age28_39 age40_54 age55_64 age65_up female r_eisced rr_hincfel h_2 h_3 h_4 h_5

estimates store m3, title(health)

svy: regress r_stflife age28_39 age40_54 age55_64 age65_up female r_eisced rr_hincfel h_2 h_3 h_4 h_5 living_w_part r_sclmeet r_rlgdgr

estimates store m4, title(social)

svy: regress r_stflife age28_39 age40_54 age55_64 age65_up female r_eisced rr_hincfel h_2 h_3 h_4 h_5 living_w_part r_sclmeet r_rlgdgr r_ppltrst r_pplfair r_pplhlp

estimates store m5, title(trust)


estout m1 m2 m3 m4 m5, cells(b(star fmt(3)) se(par fmt(2)))   ///

  legend label varlabels(_cons constant)            ///

  stats(r2 df_r bic, fmt(3 0 1) label(R-sqr dfres BIC))


predict eisced_life, r

qnorm eisced_life



svy, subpop(female): regress age28_39 age40_54 age55_64 age65_up r_eisced rr_hincfel rr_health living_w_part r_sclmeet r_rlgdgr r_ppltrst r_pplfair r_pplhlp

predict eisced_life2, r

qnorm eisced_life2

sktest eisced_life2

*_____

***LIFE SATISFACTION, INDIVIDUAL ADEQUACY OF INCOME USED, START***

***slowly adding in sections, regression

***Regressions

svy: regress r_stflife age28_39 age40_54 age55_64 age65_up female r_eduyr

estimates store m1, title(demo)

svy: regress r_stflife age28_39 age40_54 age55_64 age65_up female r_eduyr  incfeel_2 incfeel_3 incfeel_4

estimates store m2, title(inc)

svy: regress r_stflife age28_39 age40_54 age55_64 age65_up female r_eduyr incfeel_2 incfeel_3 incfeel_4 h_2 h_3 h_4 h_5

estimates store m3, title(health)

svy: regress r_stflife age28_39 age40_54 age55_64 age65_up female r_eduyr incfeel_2 incfeel_3 incfeel_4 h_2 h_3 h_4 h_5 living_w_part r_sclmeet r_rlgdgr
```

```
estimates store m4, title(social)

svy: regress r_stflife age28_39 age40_54 age55_64 age65_up female r_eduyr incfeel_2 incfeel_3 incfeel_4 h_2 h_3 h_4
h_5 living_w_part r_sclmeet r_rlgdgr r_ppltrst r_pplfair r_pplhlp

estimates store m5, title(trust)


estout m1 m2 m3 m4 m5, cells(b(star fmt(3)) se(par fmt(2)))   ///

  legend label varlabels(_cons constant)              ///

  stats(r2 df_r bic, fmt(3 0 1) label(R-sqr dfres BIC))


svy: regress r_stflife age28_39 age40_54 age55_64 age65_up female r_eduyr incfeel_2 incfeel_3 incfeel_4 h_2 h_3 h_4
h_5 living_w_part r_sclmeet r_rlgdgr r_ppltrst r_pplfair r_pplhlp

linktest


svy, subpop(female): regress r_stflife age28_39 age40_54 age55_64 age65_up female r_eduyr incfeel_2 incfeel_3 incfeel_4
h_2 h_3 h_4 h_5 living_w_part r_sclmeet r_rlgdgr r_ppltrst r_pplfair r_pplhlp

predict poo, r

sktest poo


***LIFE SATISFACTION, INDIVIDUAL ADEQUACY OF INCOME USED, OVER***

translate mylog.smcl filename.log

translate mylog.smcl mylog.pdf

log close
```

LOG FILE

```
-------------------------------------------------------------------------------------------------------------------------------
-------------------------------------------------------
      name:  <unnamed>
       log:  N:\QuantMeth\mylog.log
  log type:  text
 opened on:  30 Apr 2015, 06:34:46

. cd N:\QuantMeth\ESS6PL.stata
N:\QuantMeth\ESS6PL.stata

.
end of do-file

. do "C:\Users\tjmsrjm\AppData\Local\Temp\STD00000000.tmp"

. *setting the directory so I can download specific user-written programs when using remote desktop
. sysdir set PLUS "N:\Stata\ADO"

. sysdir
   STATA:  Q:\STATST12.123\Stata 12\
 UPDATES:  Q:\STATST12.123\Stata 12\ado\updates\
    BASE:  Q:\STATST12.123\Stata 12\ado\base\
    SITE:  Q:\STATST12.123\Stata 12\ado\site\
    PLUS:  N:\Stata\ADO\
PERSONAL:  c:\ado\personal\
OLDPLACE:  c:\ado\

. ssc install corr_svy
checking corr_svy consistency and verifying not already installed...
all files already exist and are up to date.

. ssc install estout
checking estout consistency and verifying not already installed...
all files already exist and are up to date.

. use "N:\QuantMeth\ESS6PL.stata\ESS6PL.dta", clear

. describe

Contains data from N:\QuantMeth\ESS6PL.stata\ESS6PL.dta
  obs:         1,898
 vars:           626
 size:     9,425,468
-------------------------------------------------------------------------------------------------------------------------------
-------------------------------------------------------
              storage  display     value
variable name   type   format      label      variable label
-------------------------------------------------------------------------------------------------------------------------------
-------------------------------------------------------
name            str12  %12s                   Title of dataset
essround        double %10.0g                 ESS round
edition         str3   %3s                    Edition
proddate        str10  %10s                   Production date
idno            double %10.0g                 Respondent's identification number
cntry           str2   %2s                    Country
tvtot           double %10.0g      tvtot      TV watching, total time on average weekday
tvpol           double %10.0g      tvpol      TV watching, news/politics/current affairs on average weekday
ppltrst         double %10.0g      ppltrst    Most people can be trusted or you can't be too careful
pplfair         double %10.0g      pplfair    Most people try to take advantage of you, or try to be fair
pplhlp          double %10.0g      pplhlp     Most of the time people helpful or mostly looking out for
themselves
polintr         double %10.0g      polintr    How interested in politics
trstprl         double %10.0g      trstprl    Trust in country's parliament
trstlgl         double %10.0g      trstlgl    Trust in the legal system
trstplc         double %10.0g      trstplc    Trust in the police
trstplt         double %10.0g      trstplt    Trust in politicians
trstprt         double %10.0g      trstprt    Trust in political parties
trstep          double %10.0g      trstep     Trust in the European Parliament
trstun          double %10.0g      trstun     Trust in the United Nations
vote            double %10.0g      vote       Voted last national election
prtvtal         double %10.0g      prtvtal    Party voted for in last national election, Albania
prtvtcbe        double %10.0g      prtvtcbe   Party voted for in last national election, Belgium
prtvtcbg        double %10.0g      prtvtcbg   Party voted for in last national election, Bulgaria
prtvtdch        double %10.0g      prtvtdch   Party voted for in last national election, Switzerland
prtvtacy        double %10.0g      prtvtacy   Party voted for in last national election, Cyprus
prtvtccz        double %10.0g      prtvtccz   Party voted for in last national election, Czech Republic
prtvdde1        double %10.0g      prtvdde1   Party voted for in last national election 1, Germany
prtvdde2        double %10.0g      prtvdde2   Party voted for in last national election 2, Germany
prtvtcdk        double %10.0g      prtvtcdk   Party voted for in last national election, Denmark
prtvtdee        double %10.0g      prtvtdee   Party voted for in last national election, Estonia
prtvtces        double %10.0g      prtvtces   Party voted for in last national election, Spain
prtvtcfi        double %10.0g      prtvtcfi   Party voted for in last national election, Finland
prtvtcfr        double %10.0g      prtvtcfr   Party voted for in last national election, France (ballot 1)
prtvtgb         double %10.0g      prtvtgb    Party voted for in last national election, United Kingdom
```

prtvtdhu	double %10.0g	prtvtdhu	Party voted for in last national election, Hungary
prtvtaie	double %10.0g	prtvtaie	Party voted for in last national election, Ireland
prtvtbil	double %10.0g	prtvtbil	Party voted for in last national election, Israel
prtvtais	double %10.0g	prtvtais	Party voted for in last national election, Iceland
prtvtbit	double %10.0g	prtvtbit	Party voted for in last national election, Italy
prtvalt1	double %10.0g	prtvalt1	Party voted for in last national election 1, Lithuania (first vote, party)
prtvalt2	double %10.0g	prtvalt2	Party voted for in last national election 2, Lithuania (second vote, party)
prtvalt3	double %10.0g	prtvalt3	Party voted for in last national election 3, Lithuania (third vote, party)
prtvtenl	double %10.0g	prtvtenl	Party voted for in last national election, Netherlands
prtvtano	double %10.0g	prtvtano	Party voted for in last national election, Norway
prtvtcpl	double %10.0g	prtvtcpl	Party voted for in last national election, Poland
prtvtbpt	double %10.0g	prtvtbpt	Party voted for in last national election, Portugal
prtvtcru	double %10.0g	prtvtcru	Party voted for in last national election, Russian Federation
prtvtbse	double %10.0g	prtvtbse	Party voted for in last national election, Sweden
prtvtdsi	double %10.0g	prtvtdsi	Party voted for in last national election, Slovenia
prtvtcsk	double %10.0g	prtvtcsk	Party voted for in last national election, Slovakia
prtvtcua	double %10.0g	prtvtcua	Party voted for in last national election, Ukraine (ballot 2)
prtvtxk	double %10.0g	prtvtxk	Party voted for in last national election, Kosovo
contplt	double %10.0g	contplt	Contacted politician or government official last 12 months
wrkprty	double %10.0g	wrkprty	Worked in political party or action group last 12 months
wrkorg	double %10.0g	wrkorg	Worked in another organisation or association last 12 months
badge	double %10.0g	badge	Worn or displayed campaign badge/sticker last 12 months
sgnptit	double %10.0g	sgnptit	Signed petition last 12 months
pbldmn	double %10.0g	pbldmn	Taken part in lawful public demonstration last 12 months
bctprd	double %10.0g	bctprd	Boycotted certain products last 12 months
clsprty	double %10.0g	clsprty	Feel closer to a particular party than all other parties
prtclal	double %10.0g	prtclal	Which party feel closer to, Albania
prtclcbe	double %10.0g	prtclcbe	Which party feel closer to, Belgium
prtclcbg	double %10.0g	prtclcbg	Which party feel closer to, Bulgaria
prtcldch	double %10.0g	prtcldch	Which party feel closer to, Switzerland
prtclacy	double %10.0g	prtclacy	Which party feel closer to, Cyprus
prtclccz	double %10.0g	prtclccz	Which party feel closer to, Czech Republic
prtcldde	double %10.0g	prtcldde	Which party feel closer to, Germany
prtclcdk	double %10.0g	prtclcdk	Which party feel closer to, Denmark
prtcldee	double %10.0g	prtcldee	Which party feel closer to, Estonia
prtclces	double %10.0g	prtclces	Which party feel closer to, Spain
prtclcfi	double %10.0g	prtclcfi	Which party feel closer to, Finland
prtcldfr	double %10.0g	prtcldfr	Which party feel closer to, France
prtclgb	double %10.0g	prtclgb	Which party feel closer to, United Kingdom
prtcldhu	double %10.0g	prtcldhu	Which party feel closer to, Hungary
prtclaie	double %10.0g	prtclaie	Which party feel closer to, Ireland
prtclcil	double %10.0g	prtclcil	Which party feel closer to, Israel
prtclais	double %10.0g	prtclais	Which party feel closer to, Iceland
prtclbit	double %10.0g	prtclbit	Which party feel closer to, Italy
prtclalt	double %10.0g	prtclalt	Which party feel closer to, Lithuania
prtcldnl	double %10.0g	prtcldnl	Which party feel closer to, Netherlands
prtclano	double %10.0g	prtclano	Which party feel closer to, Norway
prtclepl	double %10.0g	prtclepl	Which party feel closer to, Poland
prtclcpt	double %10.0g	prtclcpt	Which party feel closer to, Portugal
prtclcru	double %10.0g	prtclcru	Which party feel closer to, Russian Federation
prtclbse	double %10.0g	prtclbse	Which party feel closer to, Sweden
prtcldsi	double %10.0g	prtcldsi	Which party feel closer to, Slovenia
prtclcsk	double %10.0g	prtclcsk	Which party feel closer to, Slovakia
prtcldua	double %10.0g	prtcldua	Which party feel closer to, Ukraine
prtclxk	double %10.0g	prtclxk	Which party feel closer to, Kosovo
prtdgcl	double %10.0g	prtdgcl	How close to party
implvdm	double %10.0g	implvdm	How important for you to live in democratically governed country
dmcntov	double %10.0g	dmcntov	How democratic [country] is overall
lrscale	double %10.0g	lrscale	Placement on left right scale
stflife	double %10.0g	stflife	How satisfied with life as a whole
stfeco	double %10.0g	stfeco	How satisfied with present state of economy in country
stfgov	double %10.0g	stfgov	How satisfied with the national government
stfdem	double %10.0g	stfdem	How satisfied with the way democracy works in country
stfedu	double %10.0g	stfedu	State of education in country nowadays
stfhlth	double %10.0g	stfhlth	State of health services in country nowadays
gincdif	double %10.0g	gincdif	Government should reduce differences in income levels
freehms	double %10.0g	freehms	Gays and lesbians free to live life as they wish
euftf	double %10.0g	euftf	European Union: European unification go further or gone too far
imsmetn	double %10.0g	imsmetn	Allow many/few immigrants of same race/ethnic group as majority
imdfetn	double %10.0g	imdfetn	Allow many/few immigrants of different race/ethnic group from majority
impcntr	double %10.0g	impcntr	Allow many/few immigrants from poorer countries outside Europe
imbgeco	double %10.0g	imbgeco	Immigration bad or good for country's economy
imueclt	double %10.0g	imueclt	Country's cultural life undermined or enriched by immigrants
imwbcnt	double %10.0g	imwbcnt	Immigrants make country worse or better place to live
happy	double %10.0g	happy	How happy are you
sclmeet	double %10.0g	sclmeet	How often socially meet with friends, relatives or colleagues
inprdsc	double %10.0g	inprdsc	How many people with whom you can discuss intimate and personal matters
sclact	double %10.0g	sclact	Take part in social activities compared to others of same age

crmvct	double	%10.0g	crmvct	Respondent or household member victim of burglary/assault last 5 years
aesfdrk	double	%10.0g	aesfdrk	Feeling of safety of walking alone in local area after dark
health	double	%10.0g	health	Subjective general health
hlthhmp	double	%10.0g	hlthhmp	Hampered in daily activities by illness/disability/infirmity/mental problem
rlgblg	double	%10.0g	rlgblg	Belonging to particular religion or denomination
rlgdnm	double	%10.0g	rlgdnm	Religion or denomination belonging to at present
rlgdnal	double	%10.0g	rlgdnal	Religion or denomination belonging to at present, Albania
rlgdnbe	double	%10.0g	rlgdnbe	Religion or denomination belonging to at present, Belgium
rlgdnach	double	%10.0g	rlgdnach	Religion or denomination belonging to at present, Switzerland
rlgdncy	double	%10.0g	rlgdncy	Religion or denomination belonging to at present, Cyprus
rlgdnade	double	%10.0g	rlgdnade	Religion or denomination belonging to at present, Germany
rlgdnafi	double	%10.0g	rlgdnafi	Religion or denomination belonging to at present, Finland
rlgdngb	double	%10.0g	rlgdngb	Religion or denomination belonging to at present, United Kingdom
rlgdnhu	double	%10.0g	rlgdnhu	Religion or denomination belonging to at present, Hungary
rlgdnie	double	%10.0g	rlgdnie	Religion or denomination belonging to at present, Ireland
rlgdnil	double	%10.0g	rlgdnil	Religion or denomination belonging to at present, Israel
rlgdnis	double	%10.0g	rlgdnis	Religion or denomination belonging to at present, Iceland
rlgdnlt	double	%10.0g	rlgdnlt	Religion or denomination belonging to at present, Lithuania
rlgdnnl	double	%10.0g	rlgdnnl	Religion or denomination belonging to at present, Netherlands
rlgdnno	double	%10.0g	rlgdnno	Religion or denomination belonging to at present, Norway
rlgdnapl	double	%10.0g	rlgdnapl	Religion or denomination belonging to at present, Poland
rlgdnpt	double	%10.0g	rlgdnpt	Religion or denomination belonging to at present, Portugal
rlgdnaru	double	%10.0g	rlgdnaru	Religion or denomination belonging to at present, Russian Federation
rlgdnase	double	%10.0g	rlgdnase	Religion or denomination belonging to at present, Sweden
rlgdnsi	double	%10.0g	rlgdnsi	Religion or denomination belonging to at present, Slovenia
rlgdnsk	double	%10.0g	rlgdnsk	Religion or denomination belonging to at present, Slovakia
rlgdnua	double	%10.0g	rlgdnua	Religion or denomination belonging to at present, Ukraine
rlgblge	double	%10.0g	rlgblge	Ever belonging to particular religion or denomination
rlgdnme	double	%10.0g	rlgdnme	Religion or denomination belonging to in the past
rlgdeal	double	%10.0g	rlgdeal	Religion or denomination belonging to in the past, Albania
rlgdebe	double	%10.0g	rlgdebe	Religion or denomination belonging to in the past, Belgium
rlgdeach	double	%10.0g	rlgdeach	Religion or denomination belonging to in the past, Switzerland
rlgdecy	double	%10.0g	rlgdecy	Religion or denomination belonging to in the past, Cyprus
rlgdeade	double	%10.0g	rlgdeade	Religion or denomination belonging to in the past, Germany
rlgdeafi	double	%10.0g	rlgdeafi	Religion or denomination belonging to in the past, Finland
rlgdegb	double	%10.0g	rlgdegb	Religion or denomination belonging to in the past, United Kingdom
rlgdehu	double	%10.0g	rlgdehu	Religion or denomination belonging to in the past, Hungary
rlgdeie	double	%10.0g	rlgdeie	Religion or denomination belonging to in the past, Ireland
rlgdeil	double	%10.0g	rlgdeil	Religion or denomination belonging to in the past, Israel
rlgdeis	double	%10.0g	rlgdeis	Religion or denomination belonging to in the past, Iceland
rlgdelt	double	%10.0g	rlgdelt	Religion or denomination belonging to in the past, Lithuania
rlgdenl	double	%10.0g	rlgdenl	Religion or denomination belonging to in the past, Netherlands
rlgdeno	double	%10.0g	rlgdeno	Religion or denomination belonging to in the past, Norway
rlgdeapl	double	%10.0g	rlgdeapl	Religion or denomination belonging to in the past, Poland
rlgdept	double	%10.0g	rlgdept	Religion or denomination belonging to in the past, Portugal
rlgdearu	double	%10.0g	rlgdearu	Religion or denomination belonging to in the past, Russian Federation
rlgdease	double	%10.0g	rlgdease	Religion or denomination belonging to in the past, Sweden
rlgdesi	double	%10.0g	rlgdesi	Religion or denomination belonging to in the past, Slovenia
rlgdesk	double	%10.0g	rlgdesk	Religion or denomination belonging to in the past, Slovakia
rlgdeua	double	%10.0g	rlgdeua	Religion or denomination belonging to in the past, Ukraine
rlgdgr	double	%10.0g	rlgdgr	How religious are you
rlgatnd	double	%10.0g	rlgatnd	How often attend religious services apart from special occasions
pray	double	%10.0g	pray	How often pray apart from at religious services
dscrgrp	double	%10.0g	dscrgrp	Member of a group discriminated against in this country
dscrrce	double	%10.0g	dscrrce	Discrimination of respondent's group: colour or race
dscrntn	double	%10.0g	dscrntn	Discrimination of respondent's group: nationality
dscrrlg	double	%10.0g	dscrrlg	Discrimination of respondent's group: religion
dscrlng	double	%10.0g	dscrlng	Discrimination of respondent's group: language
dscretn	double	%10.0g	dscretn	Discrimination of respondent's group: ethnic group
dscrage	double	%10.0g	dscrage	Discrimination of respondent's group: age
dscrgnd	double	%10.0g	dscrgnd	Discrimination of respondent's group: gender
dscrsex	double	%10.0g	dscrsex	Discrimination of respondent's group: sexuality
dscrdsb	double	%10.0g	dscrdsb	Discrimination of respondent's group: disability
dscroth	double	%10.0g	dscroth	Discrimination of respondent's group: other grounds
dscrdk	double	%10.0g	dscrdk	Discrimination of respondent's group: don't know
dscrref	double	%10.0g	dscrref	Discrimination of respondent's group: refusal
dscrnap	double	%10.0g	dscrnap	Discrimination of respondent's group: not applicable
dscrna	double	%10.0g	dscrna	Discrimination of respondent's group: no answer
ctzcntr	double	%10.0g	ctzcntr	Citizen of country
ctzshipc	str2	%2s		Citizenship
brncntr	double	%10.0g	brncntr	Born in country
cntbrthc	str2	%2s		Country of birth
livecnta	double	%10.0g	livecnta	What year you first came to live in country
lnghom1	str3	%3s		Language most often spoken at home: first mentioned
lnghom2	str3	%3s		Language most often spoken at home: second mentioned
blgetmg	double	%10.0g	blgetmg	Belong to minority ethnic group in country
facntr	double	%10.0g	facntr	Father born in country
fbrncntb	str2	%2s		Country of birth, father
mocntr	double	%10.0g	mocntr	Mother born in country

mbrncntb	str2	%2s		Country of birth, mother
wkvlorg	double	%10.0g	wkvlorg	Involved in work for voluntary or charitable organisations, how often past 12 mo
optftr	double	%10.0g	optftr	Always optimistic about my future
pstvms	double	%10.0g	pstvms	In general feel very positive about myself
flrms	double	%10.0g	flrms	At times feel as if I am a failure
fltdpr	double	%10.0g	fltdpr	Felt depressed, how often past week
flteeff	double	%10.0g	flteeff	Felt everything did as effort, how often past week
slprl	double	%10.0g	slprl	Sleep was restless, how often past week
wrhpp	double	%10.0g	wrhpp	Were happy, how often past week
fltlnl	double	%10.0g	fltlnl	Felt lonely, how often past week
enjlf	double	%10.0g	enjlf	Enjoyed life, how often past week
fltsd	double	%10.0g	fltsd	Felt sad, how often past week
cldgng	double	%10.0g	cldgng	Could not get going, how often past week
enrglot	double	%10.0g	enrglot	Had lot of energy, how often past week
fltanx	double	%10.0g	fltanx	Felt anxious, how often past week
fltpcfl	double	%10.0g	fltpcfl	Felt calm and peaceful, how often past week
dclvlf	double	%10.0g	dclvlf	Free to decide how to live my life
lchshcp	double	%10.0g	lchshcp	Little chance to show how capable I am
accdng	double	%10.0g	accdng	Feel accomplishment from what I do
wrbknrm	double	%10.0g	wrbknrm	When things go wrong in my life it takes a long time to get back to normal
lrnntlf	double	%10.0g	lrnntlf	Learn new things in life
pplahlp	double	%10.0g	pplahlp	Feel people in local area help one another
trtrsp	double	%10.0g	trtrsp	Feel people treat you with respect
dngval	double	%10.0g	dngval	Feel what I do in life is valuable and worthwhile
nhpftr	double	%10.0g	nhpftr	Hard to be hopeful about the future of the world
lotsgot	double	%10.0g	lotsgot	There are lots of things I am good at
lfwrs	double	%10.0g	lfwrs	For most people in country life is getting worse
flclpla	double	%10.0g	flclpla	Feel close to the people in local area
tmdotwa	double	%10.0g	tmdotwa	Make time to do things you really want to do
flapppl	double	%10.0g	flapppl	Feel appreciated by people you are close to
deaimpp	double	%10.0g	deaimpp	Deal with important problems in life
tmimdng	double	%10.0g	tmimdng	Interested in what you are doing, how much of the time
tmabdng	double	%10.0g	tmabdng	Absorbed in what you are doing, how much of the time
tmendng	double	%10.0g	tmendng	Enthusiastic about what you are doing, how much of the time
tnapsur	double	%10.0g	tnapsur	Take notice of and appreciate your surroundings
sedirlf	double	%10.0g	sedirlf	Have a sense of direction in your life
rehlppl	double	%10.0g	rehlppl	Receive help and support from people you are close to
prhlppl	double	%10.0g	prhlppl	Provide help and support to people you are close to
plinsoc	double	%10.0g	plinsoc	Your place in society
physact	double	%10.0g	physact	Physically active for 20 minutes or longer last 7 days
fairelc	double	%10.0g	fairelc	National elections are free and fair
dspplvt	double	%10.0g	dspplvt	Voters discuss politics with people they know before deciding how to vote
dfprtal	double	%10.0g	dfprtal	Different political parties offer clear alternatives to one another
oppcrgv	double	%10.0g	oppcrgv	Opposition parties are free to criticise the government
medcrgv	double	%10.0g	medcrgv	The media are free to criticise the government
meprinf	double	%10.0g	meprinf	The media provide citizens with reliable information to judge the government
rghmgpr	double	%10.0g	rghmgpr	The rights of minority groups are protected
votedir	double	%10.0g	votedir	Citizens have the final say on political issues by voting directly in referendum
imvtctz	double	%10.0g	imvtctz	Immigrants only get the right to vote in national elections once they become cit
cttresa	double	%10.0g	cttresa	The courts treat everyone the same
ctstogv	double	%10.0g	ctstogv	The courts able to stop the government acting beyond its authority
gptpelc	double	%10.0g	gptpelc	Governing parties are punished in elections when they have done a bad job
gvctzpv	double	%10.0g	gvctzpv	The government protects all citizens against poverty
gvexpdc	double	%10.0g	gvexpdc	The government explains its decisions to voters
grdfinc	double	%10.0g	grdfinc	The government takes measures to reduce differences in income levels
pltavie	double	%10.0g	pltavie	Politicians take into account the views of other European governments
fairelcc	double	%10.0g	fairelcc	In country national elections are free and fair
dspplvtc	double	%10.0g	dspplvtc	In country voters discuss politics with people they know before deciding how to
dfprtalc	double	%10.0g	dfprtalc	In country different political parties offer clear alternatives to one another
oppcrgvc	double	%10.0g	oppcrgvc	In country opposition parties are free to criticise the government
medcrgvc	double	%10.0g	medcrgvc	In country the media are free to criticise the government
meprinfc	double	%10.0g	meprinfc	In country the media provide citizens with reliable information to judge the gov
rghmgprc	double	%10.0g	rghmgprc	In country the rights of minority groups are protected
votedirc	double	%10.0g	votedirc	In country citizens have the final say on political issues by voting directly in
cttresac	double	%10.0g	cttresac	In country the courts treat everyone the same
gptpelcc	double	%10.0g	gptpelcc	In country governing parties are punished in elections when they have done a bad
gvctzpvc	double	%10.0g	gvctzpvc	In country the government protects all citizens against poverty
gvexpdcc	double	%10.0g	gvexpdcc	In country the government explains its decisions to voters
grdfincc	double	%10.0g	grdfincc	In country the government takes measures to reduce differences in income levels

pltaviec	double	%10.0g	pltaviec	In country politicians take into account the views of other European governments
fplvdm	double	%10.0g	fplvdm	Best for democracy: everyone free to express political views, even extreme
fplvdmi	double	%10.0g	fplvdmi	Important for democracy: everyone free to express political views, even extreme
fplvdmc	double	%10.0g	fplvdmc	In country everyone is free to express political views, even extreme
pplvdmi	double	%10.0g	pplvdmi	Important for democracy: prevent people from expressing extreme political views
pplvdmc	double	%10.0g	pplvdmc	In country people with extreme political views are prevented from expressing the
chpldm	double	%10.0g	chpldm	Best for democracy: government changes policies in response to what most people
chpldmi	double	%10.0g	chpldmi	Important for democracy: government changes policies in response to what most pe
chpldmc	double	%10.0g	chpldmc	In country government changes policies in response to what most people think
stpldmi	double	%10.0g	stpldmi	Important for democracy: government sticks to policies regardless of most people
stpldmc	double	%10.0g	stpldmc	In country government sticks to policies regardless of most people think
gvspcdm	double	%10.0g	gvspcdm	Best for democracy: government formed by single party or coalition
gvspdmi	double	%10.0g	gvspdmi	Important for democracy: government formed by single party
gvspdmc	double	%10.0g	gvspdmc	In country government formed by single party
gvcodmi	double	%10.0g	gvcodmi	Important for democracy: government formed by coalition
gvcodmc	double	%10.0g	gvcodmc	In country government formed by coalition
hhmmb	double	%10.0g	hhmmb	Number of people living regularly as member of household
gndr	double	%10.0g	gndr	Gender
gndr2	double	%10.0g	gndr2	Gender of second person in household
gndr3	double	%10.0g	gndr3	Gender of third person in household
gndr4	double	%10.0g	gndr4	Gender of fourth person in household
gndr5	double	%10.0g	gndr5	Gender of fifth person in household
gndr6	double	%10.0g	gndr6	Gender of sixth person in household
gndr7	double	%10.0g	gndr7	Gender of seventh person in household
gndr8	double	%10.0g	gndr8	Gender of eighth person in household
gndr9	double	%10.0g	gndr9	Gender of ninth person in household
gndr10	double	%10.0g	gndr10	Gender of tenth person in household
gndr11	double	%10.0g	gndr11	Gender of eleventh person in household
gndr12	double	%10.0g	gndr12	Gender of twelfth person in household
gndr13	double	%10.0g	gndr13	Gender of thirteenth person in household
gndr14	double	%10.0g	gndr14	Gender of fourteenth person in household
gndr15	double	%10.0g	gndr15	Gender of fifteenth person in household
gndr16	double	%10.0g	gndr16	Gender of sixteenth person in household
gndr17	double	%10.0g	gndr17	Gender of seventeenth person in household
gndr18	double	%10.0g	gndr18	Gender of eighteenth person in household
gndr19	double	%10.0g	gndr19	Gender of nineteenth person in household
gndr20	double	%10.0g	gndr20	Gender of twentieth person in household
gndr21	double	%10.0g	gndr21	Gender of twenty-first person in household
gndr22	double	%10.0g	gndr22	Gender of twenty-second person in household
gndr23	double	%10.0g	gndr23	Gender of twenty-third person in household
gndr24	double	%10.0g	gndr24	Gender of twenty-fourth person in household
agea	double	%10.0g	agea	Age of respondent, calculated
yrbrn	double	%10.0g	yrbrn	Year of birth
yrbrn2	double	%10.0g	yrbrn2	Year of birth of second person in household
yrbrn3	double	%10.0g	yrbrn3	Year of birth of third person in household
yrbrn4	double	%10.0g	yrbrn4	Year of birth of fourth person in household
yrbrn5	double	%10.0g	yrbrn5	Year of birth of fifth person in household
yrbrn6	double	%10.0g	yrbrn6	Year of birth of sixth person in household
yrbrn7	double	%10.0g	yrbrn7	Year of birth of seventh person in household
yrbrn8	double	%10.0g	yrbrn8	Year of birth of eighth person in household
yrbrn9	double	%10.0g	yrbrn9	Year of birth of ninth person in household
yrbrn10	double	%10.0g	yrbrn10	Year of birth of tenth person in household
yrbrn11	double	%10.0g	yrbrn11	Year of birth of eleventh person in household
yrbrn12	double	%10.0g	yrbrn12	Year of birth of twelfth person in household
yrbrn13	double	%10.0g	yrbrn13	Year of birth of thirteenth person in household
yrbrn14	double	%10.0g	yrbrn14	Year of birth of fourteenth person in household
yrbrn15	double	%10.0g	yrbrn15	Year of birth of fifteenth person in household
yrbrn16	double	%10.0g	yrbrn16	Year of birth of sixteenth person in household
yrbrn17	double	%10.0g	yrbrn17	Year of birth of seventeenth person in household
yrbrn18	double	%10.0g	yrbrn18	Year of birth of eighteenth person in household
yrbrn19	double	%10.0g	yrbrn19	Year of birth of nineteenth person in household
yrbrn20	double	%10.0g	yrbrn20	Year of birth of twentieth person in household
yrbrn21	double	%10.0g	yrbrn21	Year of birth of twenty-first person in household
yrbrn22	double	%10.0g	yrbrn22	Year of birth of twenty-second person in household
yrbrn23	double	%10.0g	yrbrn23	Year of birth of twenty-third person in household
yrbrn24	double	%10.0g	yrbrn24	Year of birth of twenty-fourth person in household
rshipa2	double	%10.0g	rshipa2	Second person in household: relationship to respondent
rshipa3	double	%10.0g	rshipa3	Third person in household: relationship to respondent
rshipa4	double	%10.0g	rshipa4	Fourth person in household: relationship to respondent
rshipa5	double	%10.0g	rshipa5	Fifth person in household: relationship to respondent
rshipa6	double	%10.0g	rshipa6	Sixth person in household: relationship to respondent
rshipa7	double	%10.0g	rshipa7	Seventh person in household: relationship to respondent
rshipa8	double	%10.0g	rshipa8	Eighth person in household: relationship to respondent
rshipa9	double	%10.0g	rshipa9	Ninth person in household: relationship to respondent
rshipa10	double	%10.0g	rshipa10	Tenth person in household: relationship to respondent
rshipa11	double	%10.0g	rshipa11	Eleventh person in household: relationship to respondent

rshipa12	double %10.0g	rshipa12	Twelfth person in household: relationship to respondent
rshipa13	double %10.0g	rshipa13	Thirteenth person in household: relationship to respondent
rshipa14	double %10.0g	rshipa14	Fourteenth person in household: relationship to respondent
rshipa15	double %10.0g	rshipa15	Fifteenth person in household: relationship to respondent
rshipa16	double %10.0g	rshipa16	Sixteenth person in household: relationship to respondent
rshipa17	double %10.0g	rshipa17	Seventeenth person in household: Relationship to respondent
rshipa18	double %10.0g	rshipa18	Eighteenth person in household: Relationship to respondent
rshipa19	double %10.0g	rshipa19	Nineteenth person in household: Relationship to respondent
rshipa20	double %10.0g	rshipa20	Twentieth person in household: Relationship to respondent
rshipa21	double %10.0g	rshipa21	Twenty-first person in household: Relationship to respondent
rshipa22	double %10.0g	rshipa22	Twenty-second person in household: Relationship to respondent
rshipa23	double %10.0g	rshipa23	Twenty-third person in household: Relationship to respondent
rshipa24	double %10.0g	rshipa24	Twenty-fourth person in household: Relationship to respondent
icpart1	double %10.0g	icpart1	Interviewer code, lives with husband/wife/partner
rshpsts	double %10.0g	rshpsts	Relationship with husband/wife/partner currently living with
rshpscz	double %10.0g	rshpscz	Relationship with husband/wife/partner currently living with, Czech Republic
rshpsfi	double %10.0g	rshpsfi	Relationship with husband/wife/partner currently living with, Finland
lvgptnea	double %10.0g	lvgptnea	Ever lived with a partner, without being married
dvrcdeva	double %10.0g	dvrcdeva	Ever been divorced/had civil union dissolved
icpart2	double %10.0g	icpart2	Interviewer code, lives with husband/wife/partner
iccohbt	double %10.0g	iccohbt	Interviewer code, respondent cohabiting
marsts	double %10.0g	marsts	Legal marital status
maritalb	double %10.0g	maritalb	Legal marital status, post coded
marstcz	double %10.0g	marstcz	Legal marital status, Czech Republic
marstfi	double %10.0g	marstfi	Legal marital status, Finland
marstgb	double %10.0g	marstgb	Legal marital status, United Kingdom
marstie	double %10.0g	marstie	Legal marital status, Ireland
chldhm	double %10.0g	chldhm	Children living at home or not
chldhhe	double %10.0g	chldhhe	Ever had children living in household
domicil	double %10.0g	domicil	Domicile, respondent's description
edulvlb	double %10.0g	edulvlb	Highest level of education
eisced	double %10.0g	eisced	Highest level of education, ES - ISCED
edlvdal	double %10.0g	edlvdal	Highest level of education, Albania
edlvebe	double %10.0g	edlvebe	Highest level of education, Belgium
edlvdbg	double %10.0g	edlvdbg	Highest level of education, Bulgaria
edlvdch	double %10.0g	edlvdch	Highest level of education, Switzerland
edlvecy	double %10.0g	edlvecy	Highest level of education, Cyprus
edlvdcz	double %10.0g	edlvdcz	Highest level of education, Czech Republic
eduade1	double %10.0g	eduade1	Highest level of education, Germany: höchster allgemeinbildender schulabschluss
edude2	double %10.0g	edude2	Highest level of education, Germany: höchster studienabschluss
edude3	double %10.0g	edude3	Highest level of education, Germany: höchster ausbildungsabschluss
edlvddk	double %10.0g	edlvddk	Highest level of education, Denmark
edlvdee	double %10.0g	edlvdee	Highest level of education, Estonia
edlvees	double %10.0g	edlvees	Highest level of education, Spain
edlvdfi	double %10.0g	edlvdfi	Highest level of education, Finland
edlvdfr	double %10.0g	edlvdfr	Highest level of education, France
eduagb1	double %10.0g	eduagb1	Highest level of education, United Kingdom: Up to 2 or more A-levels or equivale
edugb2	double %10.0g	edugb2	Highest level of education, United Kingdom: Up to Ph.D or equivalent
edagegb	double %10.0g	edagegb	Age when completed full time education, United Kingdom
edlvdhu	double %10.0g	edlvdhu	Highest level of education, Hungary
edlvdie	double %10.0g	edlvdie	Highest level of education, Ireland
eduail1	double %10.0g	eduail1	Highest level of education, Israeli education, Israel
eduail2	double %10.0g	eduail2	Highest level of education, Russian education, Israel
edlvdis	double %10.0g	edlvdis	Highest level of education, Iceland
edlvdit	double %10.0g	edlvdit	Highest level of education, Italy
edlvdlt	double %10.0g	edlvdlt	Highest level of education, Lithuania
edlvdnl	double %10.0g	edlvdnl	Highest level of education, Netherlands
edlvdno	double %10.0g	edlvdno	Highest level of education, Norway
edlvepl	double %10.0g	edlvepl	Highest level of education, Poland
edupl2	double %10.0g	edupl2	Tertiary education: lower or higher/single tier, Poland
edlvdpt	double %10.0g	edlvdpt	Highest level of education, Portugal
edlvdru	double %10.0g	edlvdru	Highest level of education, Russian Federation
edlvdse	double %10.0g	edlvdse	Highest level of education, Sweden
edlvdsi	double %10.0g	edlvdsi	Highest level of education, Slovenia
edlvdsk	double %10.0g	edlvdsk	Highest level of education, Slovakia
edlvdua	double %10.0g	edlvdua	Highest level of education, Ukraine
edlvdxk	double %10.0g	edlvdxk	Highest level of education, Kosovo
eduyrs	double %10.0g	eduyrs	Years of full-time education completed
pdwrk	double %10.0g	pdwrk	Doing last 7 days: paid work
edctn	double %10.0g	edctn	Doing last 7 days: education
uempla	double %10.0g	uempla	Doing last 7 days: unemployed, actively looking for job
uempli	double %10.0g	uempli	Doing last 7 days: unemployed, not actively looking for job
dsbld	double %10.0g	dsbld	Doing last 7 days: permanently sick or disabled
rtrd	double %10.0g	rtrd	Doing last 7 days: retired
cmsrv	double %10.0g	cmsrv	Doing last 7 days: community or military service
hswrk	double %10.0g	hswrk	Doing last 7 days: housework, looking after children, others
dngoth	double %10.0g	dngoth	Doing last 7 days: other
dngdk	double %10.0g	dngdk	Doing last 7 days: don't know
dngref	double %10.0g	dngref	Doing last 7 days: refusal
dngna	double %10.0g	dngna	Doing last 7 days: no answer
icomdng	double %10.0g	icomdng	Interviewer code, one/more than one doing last 7 days

mainact	double %10.0g	mainact	Main activity last 7 days
mnactic	double %10.0g	mnactic	Main activity, last 7 days. All respondents. Post coded
icpdwrk	double %10.0g	icpdwrk	Interviewer code, respondent in paid work
crpdwk	double %10.0g	crpdwk	Control paid work last 7 days
pdjobev	double %10.0g	pdjobev	Ever had a paid job
pdjobyr	double %10.0g	pdjobyr	Year last in paid job
emplrel	double %10.0g	emplrel	Employment relation
emplno	double %10.0g	emplno	Number of employees respondent has/had
wrkctra	double %10.0g	wrkctra	Employment contract unlimited or limited duration
estsz	double %10.0g	estsz	Establishment size
jbspv	double %10.0g	jbspv	Responsible for supervising other employees
njbspv	double %10.0g	njbspv	Number of people responsible for in job
wkdcorga	double %10.0g	wkdcorga	Allowed to decide how daily work is organised
iorgact	double %10.0g	iorgact	Allowed to influence policy decisions about activities of organisation
wkhct	double %10.0g	wkhct	Total contracted hours per week in main job overtime excluded
wkhtot	double %10.0g	wkhtot	Total hours normally worked per week in main job overtime included
nacer2	double %10.0g	nacer2	Industry, NACE rev.2
tporgwk	double %10.0g	tporgwk	What type of organisation work/worked for
isco08	double %10.0g	isco08	Occupation, ISCO08
wrkac6m	double %10.0g	wrkac6m	Paid work in another country, period more than 6 months last 10 years
icpdwk2	double %10.0g	icpdwk2	Interviewer code, in paid work
stfjb	double %10.0g	stfjb	How satisfied with job
stfjbot	double %10.0g	stfjbot	Satisfied with balance between time on job and time on other aspects
uemp3m	double %10.0g	uemp3m	Ever unemployed and seeking work for a period more than three months
uemp12m	double %10.0g	uemp12m	Any period of unemployment and work seeking lasted 12 months or more
uemp5yr	double %10.0g	uemp5yr	Any period of unemployment and work seeking within last 5 years
mbtru	double %10.0g	mbtru	Member of trade union or similar organisation
hincsrca	double %10.0g	hincsrca	Main source of household income
hinctnta	double %10.0g	hinctnta	Household's total net income, all sources
hincfel	double %10.0g	hincfel	Feeling about household's income nowadays
icpart3	double %10.0g	icpart3	Interviewer code, lives with husband/wife/partner
edulvlpb	double %10.0g	edulvlpb	Partner's highest level of education
eiscedp	double %10.0g	eiscedp	Partner's highest level of education, ES - ISCED
edlvpdal	double %10.0g	edlvpdal	Partner's highest level of education, Albania
edlvpebe	double %10.0g	edlvpebe	Partner's highest level of education, Belgium
edlvpdbg	double %10.0g	edlvpdbg	Partner's highest level of education, Bulgaria
edlvpdch	double %10.0g	edlvpdch	Partner's highest level of education, Switzerland
edlvpecy	double %10.0g	edlvpecy	Partner's highest level of education, Cyprus
edlvpdcz	double %10.0g	edlvpdcz	Partner's highest level of education, Czech Republic
edupade1	double %10.0g	edupade1	Partner's highest level of education, Germany: höchster allgemeinbildender schul
edupde2	double %10.0g	edupde2	Partner's highest level of education, Germany: höchster studienabschluss
edupde3	double %10.0g	edupde3	Partner's highest level of education, Germany: höchster ausbildungsabschluss
edlvpddk	double %10.0g	edlvpddk	Partner's highest level of education, Denmark
edlvpdee	double %10.0g	edlvpdee	Partner's highest level of education, Estonia
edlvpees	double %10.0g	edlvpees	Partner's highest level of education, Spain
edlvpdfi	double %10.0g	edlvpdfi	Partner's highest level of education, Finland
edlvpdfr	double %10.0g	edlvpdfr	Partner's highest level of education, France
edupagb1	double %10.0g	edupagb1	Partner's highest level of education, United Kingdom: Up to 2 or more A-levels o
edupgb2	double %10.0g	edupgb2	Partner's highest level of education, United Kingdom: Up to Ph.D or equivalent
edagepgb	double %10.0g	edagepgb	Partner's age when completed full time education, United Kingdom
edlvpdhu	double %10.0g	edlvpdhu	Partner's highest level of education, Hungary
edlvpdie	double %10.0g	edlvpdie	Partner's highest level of education, Ireland
edupail1	double %10.0g	edupail1	Partner's highest level of education, Israeli education, Israel
edupail2	double %10.0g	edupail2	Partner's highest level of education, Russian education, Israel
edlvpdis	double %10.0g	edlvpdis	Partner's highest level of education, Iceland
edlvpdit	double %10.0g	edlvpdit	Partner's highest level of education, Italy
edlvpdlt	double %10.0g	edlvpdlt	Partner's highest level of education, Lithuania
edlvpdnl	double %10.0g	edlvpdnl	Partner's highest level of education, Netherlands
edlvpdno	double %10.0g	edlvpdno	Partner's highest level of education, Norway
edlvpepl	double %10.0g	edlvpepl	Partner's highest level of education, Poland
eduppl2	double %10.0g	eduppl2	Partner's tertiary education: lower or higher/single tier, Poland
edlvpdpt	double %10.0g	edlvpdpt	Partner's highest level of education, Portugal
edlvpdru	double %10.0g	edlvpdru	Partner's highest level of education, Russian Federation
edlvpdse	double %10.0g	edlvpdse	Partner's highest level of education, Sweden
edlvpdsi	double %10.0g	edlvpdsi	Partner's highest level of education, Slovenia
edlvpdsk	double %10.0g	edlvpdsk	Partner's highest level of education, Slovakia
edlvpdua	double %10.0g	edlvpdua	Partner's highest level of education, Ukraine
edlvpdxk	double %10.0g	edlvpdxk	Partner's highest level of education, Kosovo
pdwrkp	double %10.0g	pdwrkp	Partner doing last 7 days: paid work
edctnp	double %10.0g	edctnp	Partner doing last 7 days: education
uemplap	double %10.0g	uemplap	Partner doing last 7 days: unemployed, actively looking for job

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uemplip         double %10.0g      uemplip    Partner doing last 7 days: unemployed, not actively looking
for job
dsbldp          double %10.0g      dsbldp     Partner doing last 7 days: permanently sick or disabled
rtrdp           double %10.0g      rtrdp      Partner doing last 7 days: retired
cmsrvp          double %10.0g      cmsrvp     Partner doing last 7 days: community or military service
hswrkp          double %10.0g      hswrkp     Partner doing last 7 days: housework, looking after children,
others
dngothp         double %10.0g      dngothp    Partner doing last 7 days: other
dngdkp          double %10.0g      dngdkp     Partner doing last 7 days: don't know
dngnapp         double %10.0g      dngnapp    Partner doing last 7 days: not applicable
dngrefp         double %10.0g      dngrefp    Partner doing last 7 days: refusal
dngnap          double %10.0g      dngnap     Partner doing last 7 days: no answer
icomdnp         double %10.0g      icomdnp    Interviewer code, one/more than one doing partner last 7 days
mnactp          double %10.0g      mnactp     Partner's main activity last 7 days
icppdwk         double %10.0g      icppdwk    Interviewer code, respondents partner in paid work
crpdwkp         double %10.0g      crpdwkp    Partner, control paid work last 7 days
isco08p         double %10.0g      isco08p    Occupation partner, ISCO08
emprelp         double %10.0g      emprelp    Partner's employment relation
wkhtotp         double %10.0g      wkhtotp    Hours normally worked a week in main job overtime included,
partner
edulvlfb        double %10.0g      edulvlfb   Father's highest level of education
eiscedf         double %10.0g      eiscedf    Father's highest level of education, ES - ISCED
edlvfdal        double %10.0g      edlvfdal   Father's highest level of education, Albania
edlvfebe        double %10.0g      edlvfebe   Father's highest level of education, Belgium
edlvfdbg        double %10.0g      edlvfdbg   Father's highest level of education, Bulgaria
edlvfdch        double %10.0g      edlvfdch   Father's highest level of education, Switzerland
edlvfecy        double %10.0g      edlvfecy   Father's highest level of education, Cyprus
edlvfdcz        double %10.0g      edlvfdcz   Father's highest level of education, Czech Republic
edufade1        double %10.0g      edufade1   Father's highest level of education, Germany: höchster
allgemeinbildender schula
edufde2         double %10.0g      edufde2    Father's highest level of education, Germany: höchster
studienabschluss
edufde3         double %10.0g      edufde3    Father's highest level of education, Germany: höchster
ausbildungsabschluss
edlvfddk        double %10.0g      edlvfddk   Father's highest level of education, Denmark
edlvfdee        double %10.0g      edlvfdee   Father's highest level of education, Estonia
edlvfees        double %10.0g      edlvfees   Father's highest level of education, Spain
edlvfdfi        double %10.0g      edlvfdfi   Father's highest level of education, Finland
edlvfdfr        double %10.0g      edlvfdfr   Father's highest level of education, France
edufagb1        double %10.0g      edufagb1   Father's highest level of education, United Kingdom: Up to 2
or more A-levels or
edufgb2         double %10.0g      edufgb2    Father's highest level of education, United Kingdom: Up to
Ph.D or equivalent
edagefgb        double %10.0g      edagefgb   Father's age when completed full time education, United
Kingdom
edlvfdhu        double %10.0g      edlvfdhu   Father's highest level of education, Hungary
edlvfdie        double %10.0g      edlvfdie   Father's highest level of education, Ireland
edufail1        double %10.0g      edufail1   Father's highest level of education, Israeli education,
Israel
edufail2        double %10.0g      edufail2   Father's highest level of education, Russian education,
Israel
edlvfdis        double %10.0g      edlvfdis   Father's highest level of education, Iceland
edlvfdit        double %10.0g      edlvfdit   Father's highest level of education, Italy
edlvfdlt        double %10.0g      edlvfdlt   Father's highest level of education, Lithuania
edlvfdnl        double %10.0g      edlvfdnl   Father's highest level of education, Netherlands
edlvfdno        double %10.0g      edlvfdno   Father's highest level of education, Norway
edlvfepl        double %10.0g      edlvfepl   Father's highest level of education, Poland
edlvfdpt        double %10.0g      edlvfdpt   Father's highest level of education, Portugal
edlvfdru        double %10.0g      edlvfdru   Father's highest level of education, Russian Federation
edlvfdse        double %10.0g      edlvfdse   Father's highest level of education, Sweden
edlvfdsi        double %10.0g      edlvfdsi   Father's highest level of education, Slovenia
edlvfdsk        double %10.0g      edlvfdsk   Father's highest level of education, Slovakia
edlvfdua        double %10.0g      edlvfdua   Father's highest level of education, Ukraine
edlvfdxk        double %10.0g      edlvfdxk   Father's highest level of education, Kosovo
emprf14         double %10.0g      emprf14    Father's employment status when respondent 14
occf14b         double %10.0g      occf14b    Father's occupation when respondent 14
edulvlmb        double %10.0g      edulvlmb   Mother's highest level of education
eiscedm         double %10.0g      eiscedm    Mother's highest level of education, ES - ISCED
edlvmdal        double %10.0g      edlvmdal   Mother's highest level of education, Albania
edlvmebe        double %10.0g      edlvmebe   Mother's highest level of education, Belgium
edlvmdbg        double %10.0g      edlvmdbg   Mother's highest level of education, Bulgaria
edlvmdch        double %10.0g      edlvmdch   Mother's highest level of education, Switzerland
edlvmecy        double %10.0g      edlvmecy   Mother's highest level of education, Cyprus
edlvmdcz        double %10.0g      edlvmdcz   Mother's highest level of education, Czech Republic
edumade1        double %10.0g      edumade1   Mother's highest level of education, Germany: höchster
allgemeinbildender schula
edumde2         double %10.0g      edumde2    Mother's highest level of education, Germany: höchster
studienabschluss
edumde3         double %10.0g      edumde3    Mother's highest level of education, Germany: höchster
ausbildungsabschluss
edlvmddk        double %10.0g      edlvmddk   Mother's highest level of education, Denmark
edlvmdee        double %10.0g      edlvmdee   Mother's highest level of education, Estonia
edlvmees        double %10.0g      edlvmees   Mother's highest level of education, Spain
edlvmdfi        double %10.0g      edlvmdfi   Mother's highest level of education, Finland
edlvmdfr        double %10.0g      edlvmdfr   Mother's highest level of education, France
edumagb1        double %10.0g      edumagb1   Mother's highest level of education, United Kingdom: Up to 2
or more A-levels or
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edumgb2         double %10.0g      edumgb2    Mother's highest level of education, United Kingdom: Up to
Ph.D or equivalent
edagemgb        double %10.0g      edagemgb   Mother's age when completed full time education, United
Kingdom
edlvmdhu        double %10.0g      edlvmdhu   Mother's highest level of education, Hungary
edlvmdie        double %10.0g      edlvmdie   Mother's highest level of education, Ireland
edumail1        double %10.0g      edumail1   Mother's highest level of education, Israeli education,
Israel
edumail2        double %10.0g      edumail2   Mother's highest level of education, Russian education,
Israel
edlvmdis        double %10.0g      edlvmdis   Mother's highest level of education, Iceland
edlvmdit        double %10.0g      edlvmdit   Mother's highest level of education, Italy
edlvmdlt        double %10.0g      edlvmdlt   Mother's highest level of education, Lithuania
edlvmdnl        double %10.0g      edlvmdnl   Mother's highest level of education, Netherlands
edlvmdno        double %10.0g      edlvmdno   Mother's highest level of education, Norway
edlvmepl        double %10.0g      edlvmepl   Mother's highest level of education, Poland
edlvmdpt        double %10.0g      edlvmdpt   Mother's highest level of education, Portugal
edlvmdru        double %10.0g      edlvmdru   Mother's highest level of education, Russian Federation
edlvmdse        double %10.0g      edlvmdse   Mother's highest level of education, Sweden
edlvmdsi        double %10.0g      edlvmdsi   Mother's highest level of education, Slovenia
edlvmdsk        double %10.0g      edlvmdsk   Mother's highest level of education, Slovakia
edlvmdua        double %10.0g      edlvmdua   Mother's highest level of education, Ukraine
edlvmdxk        double %10.0g      edlvmdxk   Mother's highest level of education, Kosovo
emprm14         double %10.0g      emprm14    Mother's employment status when respondent 14
occm14b         double %10.0g      occm14b    Mother's occupation when respondent 14
atncrse         double %10.0g      atncrse    Improve knowledge/skills: course/lecture/conference, last 12
months
ipcrtiv         double %10.0g      ipcrtiv    Important to think new ideas and being creative
imprich         double %10.0g      imprich    Important to be rich, have money and expensive things
ipeqopt         double %10.0g      ipeqopt    Important that people are treated equally and have equal
opportunities
ipshabt         double %10.0g      ipshabt    Important to show abilities and be admired
impsafe         double %10.0g      impsafe    Important to live in secure and safe surroundings
impdiff         double %10.0g      impdiff    Important to try new and different things in life
ipfrule         double %10.0g      ipfrule    Important to do what is told and follow rules
ipudrst         double %10.0g      ipudrst    Important to understand different people
ipmodst         double %10.0g      ipmodst    Important to be humble and modest, not draw attention
ipgdtim         double %10.0g      ipgdtim    Important to have a good time
impfree         double %10.0g      impfree    Important to make own decisions and be free
iphlppl         double %10.0g      iphlppl    Important to help people and care for others well-being
ipsuces         double %10.0g      ipsuces    Important to be successful and that people recognize
achievements
ipstrgv         double %10.0g      ipstrgv    Important that government is strong and ensures safety
ipadvnt         double %10.0g      ipadvnt    Important to seek adventures and have an exciting life
ipbhprp         double %10.0g      ipbhprp    Important to behave properly
iprspot         double %10.0g      iprspot    Important to get respect from others
iplylfr         double %10.0g      iplylfr    Important to be loyal to friends and devote to people close
impenv          double %10.0g      impenv     Important to care for nature and environment
imptrad         double %10.0g      imptrad    Important to follow traditions and customs
impfun          double %10.0g      impfun     Important to seek fun and things that give pleasure
region          str5   %5s                    Region
regunit         double %10.0g      regunit    Regional unit
intewde         double %10.0g      intewde    Place of interview: East, West Germany
inwdds          double %10.0g      inwdds     Start of interview, day of month
inwmms          double %10.0g      inwmms     Start of interview, month
inwyys          double %10.0g      inwyys     Start of interview, year
inwshh          double %10.0g      inwshh     Start of interview, hour
inwsmm          double %10.0g      inwsmm     Start of interview, minute
inwdde          double %10.0g      inwdde     End of interview, day of month
inwmme          double %10.0g      inwmme     End of interview, month
inwyye          double %10.0g      inwyye     End of interview, year
inwehh          double %10.0g      inwehh     End of interview, hour
inwemm          double %10.0g      inwemm     End of interview, minute
inwtm           double %10.0g                 Interview length in minutes, main questionnaire
spltadme        double %10.0g      spltadme   Administration of split ballot and MTMM
supqad1         double %10.0g      supqad1    Administration of supplementary questionnaire 1
supqad2         double %10.0g      supqad2    Administration of supplementary questionnaire 2
supqdd          double %10.0g      supqdd     Day of month, supplementary questionnaire
supqmm          double %10.0g      supqmm     Month, supplementary questionnaire
supqyr          double %10.0g      supqyr     Year, supplementary questionnaire
dweight         double %10.0g                 Design weight
pspwght         double %10.0g                 Post-stratification weight including design weight
pweight         double %10.0g                 Population size weight (must be combined with dweight or
pspwght)
-------------------------------------------------------------------------------------------------------------
-------------------------------------------------------
Sorted by:

. svyset _n [pw=pspwght]

      pweight: pspwght
          VCE: linearized
  Single unit: missing
     Strata 1: <one>
         SU 1: <observations>
        FPC 1: <zero>

. svydescribe
```

```
Survey: Describing stage 1 sampling units

      pweight: pspwght
          VCE: linearized
  Single unit: missing
     Strata 1: <one>
         SU 1: <observations>
        FPC 1: <zero>

                                    #Obs per Unit
                                -----------------------------
Stratum    #Units     #Obs      min       mean      max
--------  --------  --------  --------  --------  --------
       1      1898      1898         1       1.0         1
--------  --------  --------  --------  --------  --------
       1      1898      1898         1       1.0         1

.
.
. *y=r_happy r_stflife
. *x=trust: r_ppltrst r_pplfair r_pplhlp
. *x, controls: agea r_hinctnta living_w_partner r_sclmeet rr_health
. *x, controls, potential split of age groups: age16_24 age25_34 age35_44 age45_54 age55_64 age65_up
.
. *RECODING TO SYSTEM MISSING
. foreach var of varlist ppltrst pplfair pplhlp trstprl trstlgl trstplc trstplt trstprt trstep trstun tvtot
tvpol hinctnta eduyrs eisced lrscale stflife stfgov st
> feco stfdem stfedu stfhlth rlgdgr rlgatnd implvdm dmcntov happy fairelcc dspplvtc sclmeet dfprtalc
oppcrgvc medcrgvc meprinfc rghmgprc votedirc cttresac gptpelc
> c gvctzpvc gvexpdcc grdfincc pltaviec {
  2. gen r_`var'=`var'
  3. replace r_`var'=. if `var'==99|`var'==88|`var'==77|`var'==55
  4. }
(6 real changes made, 6 to missing)
(22 real changes made, 22 to missing)
(34 real changes made, 34 to missing)
(49 real changes made, 49 to missing)
(69 real changes made, 69 to missing)
(41 real changes made, 41 to missing)
(45 real changes made, 45 to missing)
(57 real changes made, 57 to missing)
(223 real changes made, 223 to missing)
(327 real changes made, 327 to missing)
(11 real changes made, 11 to missing)
(5 real changes made, 5 to missing)
(412 real changes made, 412 to missing)
(20 real changes made, 20 to missing)
(7 real changes made, 7 to missing)
(290 real changes made, 290 to missing)
(11 real changes made, 11 to missing)
(48 real changes made, 48 to missing)
(64 real changes made, 64 to missing)
(96 real changes made, 96 to missing)
(90 real changes made, 90 to missing)
(14 real changes made, 14 to missing)
(33 real changes made, 33 to missing)
(31 real changes made, 31 to missing)
(58 real changes made, 58 to missing)
(76 real changes made, 76 to missing)
(23 real changes made, 23 to missing)
(88 real changes made, 88 to missing)
(129 real changes made, 129 to missing)
(20 real changes made, 20 to missing)
(123 real changes made, 123 to missing)
(94 real changes made, 94 to missing)
(56 real changes made, 56 to missing)
(68 real changes made, 68 to missing)
(272 real changes made, 272 to missing)
(122 real changes made, 122 to missing)
(73 real changes made, 73 to missing)
(138 real changes made, 138 to missing)
(44 real changes made, 44 to missing)
(57 real changes made, 57 to missing)
(80 real changes made, 80 to missing)
(339 real changes made, 339 to missing)

. foreach var of varlis polintr domicil health lfwrs sclact aesfdrk hincfel{
  2. gen r_`var'=`var'
  3. replace r_`var'=. if `var'==8|`var'==9
  4. }
(14 real changes made, 14 to missing)
(10 real changes made, 10 to missing)
(3 real changes made, 3 to missing)
(27 real changes made, 27 to missing)
(50 real changes made, 50 to missing)
(45 real changes made, 45 to missing)
(19 real changes made, 19 to missing)
```

```
.
. *http://www.tandfonline.com/doi/pdf/10.1080/00036840500368094 use categorical dependent variables without
transformation
. *http://discovery.ucl.ac.uk/14315/1/14315.pdf uses EES survey, shows graphs you can use to show
differences, frequency tables, but only used correlation coeffic
> ients--but did show the means of attitudes
. *http://www.jstor.org/stable/pdf/10.1086/588220.pdf?acceptTC=true&jpdConfirm=true does not use EES data
but offers great wording for how to justify the use of c
> ategorical variables, and the caveats hat come with them
. *http://storre.stir.ac.uk/bitstream/1893/8830/1/Delaney_2007_Social_Capital_and_Self-Rated_Health.pdf
uses multiple regression, EES
. *http://download-v2.springer.com/static/pdf/428/art%253A10.1007%252Fs11205-005-4859-
2.pdf?token2=exp=1430069938~acl=%2Fstatic%2Fpdf%2F428%2Fart%25253A10.1007%25
> 252Fs11205-005-4859-2.pdf*~hmac=5e954a7660d7a0a781295cd7b55da7d2f1d428b8166299d9f055fdb9dd346738 EES,
multiple regression
. *http://www.baylorisr.org/wp-content/uploads/2013-PRS-Religious-Behavior-Health-Well-Being.pdf : use of
living with partner as close approximation of marital st
> atus
. *http://www.baylorisr.org/wp-content/uploads/2013-PRS-Religious-Behavior-Health-Well-Being.pdf use of EES
data for happiness, wellbeing and health
. *http://www.ats.ucla.edu/stat/stata/faq/dummy.htm testing the inclusion of all categories of a variable
.
. gen living_w_part=0

. replace living_w_part=1 if icpart1==1
(1139 real changes made)

.
. gen married=0

. replace married=1 if maritalb==1
(1093 real changes made)

. corr_svy living_w_part married [pw=pweight], pw star(0.0001)

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |living_w_part     married
-------------+------------------------
living_w_part |      1.0000
     married |      0.9294*     1.0000
---------------------------------------
* indicates p<0.000

.
. *reverse code health (5 was worst)
. gen rr_health=r_health
(3 missing values generated)

. replace rr_health=1 if r_health==5
(31 real changes made)

. replace rr_health=2 if r_health==4
(153 real changes made)

. replace rr_health=3 if r_health==3
(0 real changes made)

. replace rr_health=4 if r_health==2
(837 real changes made)

. replace rr_health=5 if r_health==1
(341 real changes made)

.
. **reverse code hincfel (4 was worst)
. gen rr_hincfel=r_hincfel
(19 missing values generated)

. replace rr_hincfel=1 if r_hincfel==4
(65 real changes made)

. replace rr_hincfel=2 if r_hincfel==3
(525 real changes made)

. replace rr_hincfel=3 if r_hincfel==2
(1139 real changes made)

. replace rr_hincfel=4 if r_hincfel==1
(150 real changes made)

.
```

```
. gen female=0

. replace female=1 if gndr==2
(989 real changes made)

.
. gen employed_above20=0

. replace employed_above20=1 if agea>=20 & pdwrk==1 & female==1
(426 real changes made)

.
.
. gen childhouse=0

. replace childhouse=1 if chldhm==1
(888 real changes made)

.
. *generating age groupings
. gen age15_27=0

. replace age15_27=1 if agea>=15 & agea<=27
(392 real changes made)

. gen age28_39=0

. replace age28_39=1 if agea>=28 & agea<=39
(388 real changes made)

. gen age40_54=0

. replace age40_54=1 if agea>=40 & agea<=54
(437 real changes made)

. gen age55_64=0

. replace age55_64=1 if agea>=55 & agea<=64
(338 real changes made)

. gen age65_up=0

. replace age65_up=1 if agea>=65
(343 real changes made)

.
. kdensity agea, norm

. kdensity r_hinct, norm

. kdensity rr_health, norm

. kdensity r_sclmeet, norm

. kdensity r_rlgdgr, norm

. kdensity r_ppltrst, norm

. kdensity r_pplfair, norm

. kdensity r_pplhlp, norm

. kdensity r_eisced, norm

. kdensity r_eduyr, norm

. kdensity r_stflife, norm

. kdensity r_happy, norm

.
.
. *rr_health doesn't look too good; perhaps we can break it apart
. tabulate rr_health, gen (h_)

  rr_health |      Freq.     Percent        Cum.
------------+-----------------------------------
          1 |         31        1.64        1.64
          2 |        153        8.07        9.71
          3 |        533       28.13       37.84
          4 |        837       44.17       82.01
          5 |        341       17.99      100.00
------------+-----------------------------------
      Total |      1,895      100.00

. *hinct doesn't look so great either, maybe we can use feelings of adequacy of income
. tabulate r_hinctnta, generate(inc_)
```

```
 r_hinctnta |      Freq.     Percent        Cum.
------------+-----------------------------------
          1 |        144        9.69        9.69
          2 |        151       10.16       19.85
          3 |        155       10.43       30.28
          4 |        176       11.84       42.13
          5 |        210       14.13       56.26
          6 |        160       10.77       67.03
          7 |        151       10.16       77.19
          8 |        113        7.60       84.79
          9 |        133        8.95       93.74
         10 |         93        6.26      100.00
------------+-----------------------------------
      Total |      1,486      100.00

. tabulate rr_hincfel, gen (incfeel_)

 rr_hincfel |      Freq.     Percent        Cum.
------------+-----------------------------------
          1 |         65        3.46        3.46
          2 |        525       27.94       31.40
          3 |      1,139       60.62       92.02
          4 |        150        7.98      100.00
------------+-----------------------------------
      Total |      1,879      100.00

. *education, eisced doesn't look normal at all, use r_eduyr.
. *considered splitting into 5 categories, as do
http://www.sciencedirect.com/science/article/pii/S0167487008000809
. corr_svy r_eduyr r_eisced [pw=pweight], pw star(0.0001)

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    r_eduyrs    r_eisced
-------------+------------------------
    r_eduyrs |      1.0000
    r_eisced |      0.8796*     1.0000
---------------------------------------
* indicates p<0.000

. corr r_hinctnta r_hincfel
(obs=1484)

             | r_hinc~a r_hinc~l
-------------+------------------
  r_hinctnta |   1.0000
   r_hincfel |  -0.5367   1.0000


.
.
. twoway (scatter r_stflife r_pplfair) (lfit r_stflife r_pplfair) (lowess r_stflife r_pplfair)

. *pplfair curves down a little at the end, looks like there are some outliers?
. twoway (scatter r_stflife r_ppltrst) (lfit r_stflife r_ppltrst) (lowess r_stflife r_ppltrst)

. *ppl trust curves down at the end, looks like there are some outliers?
. twoway (scatter r_stflife agea) (lfit r_stflife agea) (lowess r_stflife agea)

. *age is curvy, justifies adding the categories in as dummies (or transforming it)
. twoway (scatter r_stflife r_hinctnta) (lfit r_stflife r_hinctnta) (lowess r_stflife r_hinctnta)

. twoway (scatter r_stflife r_rlgdgr) (lfit r_stflife r_rlgdgr) (lowess r_stflife r_rlgdgr)

.
.
. ****running means for independent variables
. foreach var of varlist agea female r_eduyr r_hinct rr_hincfel rr_health r_sclmeet living_w_part r_rlgdgr
r_ppltrst r_pplfair r_pplhlp {
  2. svy: mean `var'
  3. estat sd
  4. }
(running mean on estimation sample)

Survey: Mean estimation

Number of strata =       1          Number of obs    =    1898
Number of PSUs   =    1898          Population size  =    1898
                                    Design df        =    1897

--------------------------------------------------------------
             |             Linearized
             |       Mean   Std. Err.     [95% Conf. Interval]
```

```
-------------+----------------------------------------------------
        agea |   47.28943   .4443386      46.41798    48.16087
-------------------------------------------------------------------

-------------------------------------
             |       Mean   Std. Dev.
-------------+-----------------------
        agea |   47.28943    18.96176
-------------------------------------
(running mean on estimation sample)

Survey: Mean estimation

Number of strata =       1          Number of obs    =    1898
Number of PSUs   =    1898          Population size  =    1898
                                    Design df        =    1897

-------------------------------------------------------------------
             |             Linearized
             |       Mean   Std. Err.     [95% Conf. Interval]
-------------+-----------------------------------------------------
      female |   .5312494   .0116163      .5084672    .5540315
-------------------------------------------------------------------

-------------------------------------
             |       Mean   Std. Dev.
-------------+-----------------------
      female |   .5312494     .499154
-------------------------------------
(running mean on estimation sample)

Survey: Mean estimation

Number of strata =       1          Number of obs    =    1878
Number of PSUs   =    1878          Population size  = 1878.58
                                    Design df        =    1877

-------------------------------------------------------------------
             |             Linearized
             |       Mean   Std. Err.     [95% Conf. Interval]
-------------+-----------------------------------------------------
    r_eduyrs |   12.15843   .0831396      11.99537    12.32148
-------------------------------------------------------------------

-------------------------------------
             |       Mean   Std. Dev.
-------------+-----------------------
    r_eduyrs |   12.15843    3.525485
-------------------------------------
(running mean on estimation sample)

Survey: Mean estimation

Number of strata =       1          Number of obs    =    1486
Number of PSUs   =    1486          Population size  = 1489.44
                                    Design df        =    1485

-------------------------------------------------------------------
             |             Linearized
             |       Mean   Std. Err.     [95% Conf. Interval]
-------------+-----------------------------------------------------
  r_hinctnta |   5.115245   .0703023      4.977343    5.253147
-------------------------------------------------------------------

-------------------------------------
             |       Mean   Std. Dev.
-------------+-----------------------
  r_hinctnta |   5.115245    2.672509
-------------------------------------
(running mean on estimation sample)

Survey: Mean estimation

Number of strata =       1          Number of obs    =    1879
Number of PSUs   =    1879          Population size  = 1879.46
                                    Design df        =    1878

-------------------------------------------------------------------
             |             Linearized
             |       Mean   Std. Err.     [95% Conf. Interval]
-------------+-----------------------------------------------------
  rr_hincfel |   2.717876   .0153558      2.687759    2.747992
-------------------------------------------------------------------

-------------------------------------
             |       Mean   Std. Dev.
-------------+-----------------------
  rr_hincfel |   2.717876    .6536978
```

```
------------------------------------
(running mean on estimation sample)

Survey: Mean estimation

Number of strata =       1          Number of obs    =    1895
Number of PSUs   =    1895          Population size  = 1894.77
                                    Design df        =    1894

------------------------------------------------------------
             |             Linearized
             |       Mean   Std. Err.     [95% Conf. Interval]
-------------+----------------------------------------------
   rr_health |   3.651409   .0217122      3.608827    3.693991
------------------------------------------------------------

------------------------------------
             |       Mean   Std. Dev.
-------------+----------------------
   rr_health |   3.651409    .9219106
------------------------------------
(running mean on estimation sample)

Survey: Mean estimation

Number of strata =       1          Number of obs    =    1878
Number of PSUs   =    1878          Population size  = 1877.16
                                    Design df        =    1877

------------------------------------------------------------
             |             Linearized
             |       Mean   Std. Err.     [95% Conf. Interval]
-------------+----------------------------------------------
   r_sclmeet |   4.064799   .0370111      3.992212    4.137386
------------------------------------------------------------

------------------------------------
             |       Mean   Std. Dev.
-------------+----------------------
   r_sclmeet |   4.064799    1.579735
------------------------------------
(running mean on estimation sample)

Survey: Mean estimation

Number of strata =       1          Number of obs    =    1898
Number of PSUs   =    1898          Population size  =    1898
                                    Design df        =    1897

--------------------------------------------------------------
             |             Linearized
             |       Mean   Std. Err.     [95% Conf. Interval]
-------------+------------------------------------------------
living_w_part |   .6024015   .0114062      .5800315    .6247714
--------------------------------------------------------------

------------------------------------
             |       Mean   Std. Dev.
-------------+----------------------
living_w_p~t |   .6024015    .4895306
------------------------------------
(running mean on estimation sample)

Survey: Mean estimation

Number of strata =       1          Number of obs    =    1865
Number of PSUs   =    1865          Population size  = 1865.38
                                    Design df        =    1864

------------------------------------------------------------
             |             Linearized
             |       Mean   Std. Err.     [95% Conf. Interval]
-------------+----------------------------------------------
    r_rlgdgr |   6.272933   .0606615      6.153961    6.391904
------------------------------------------------------------

------------------------------------
             |       Mean   Std. Dev.
-------------+----------------------
    r_rlgdgr |   6.272933    2.599952
------------------------------------
(running mean on estimation sample)

Survey: Mean estimation

Number of strata =       1          Number of obs    =    1892
Number of PSUs   =    1892          Population size  = 1891.17
                                    Design df        =    1891
```

```
------------------------------------------------------------
             |             Linearized
             |       Mean   Std. Err.     [95% Conf. Interval]
-------------+----------------------------------------------
   r_ppltrst |   4.099255   .0569623      3.987539    4.210971
------------------------------------------------------------

--------------------------------------
             |       Mean   Std. Dev.
-------------+------------------------
   r_ppltrst |   4.099255    2.433766
--------------------------------------
(running mean on estimation sample)

Survey: Mean estimation

Number of strata =       1          Number of obs    =    1876
Number of PSUs   =    1876          Population size  = 1874.88
                                    Design df        =    1875

------------------------------------------------------------
             |             Linearized
             |       Mean   Std. Err.     [95% Conf. Interval]
-------------+----------------------------------------------
   r_pplfair |   4.967177    .056413      4.856538    5.077816
------------------------------------------------------------

--------------------------------------
             |       Mean   Std. Dev.
-------------+------------------------
   r_pplfair |   4.967177    2.394638
--------------------------------------
(running mean on estimation sample)

Survey: Mean estimation

Number of strata =       1          Number of obs    =    1864
Number of PSUs   =    1864          Population size  = 1862.04
                                    Design df        =    1863

------------------------------------------------------------
             |             Linearized
             |       Mean   Std. Err.     [95% Conf. Interval]
-------------+----------------------------------------------
    r_pplhlp |   3.750813   .0562345      3.640523    3.861102
------------------------------------------------------------

--------------------------------------
             |       Mean   Std. Dev.
-------------+------------------------
    r_pplhlp |   3.750813    2.378376
--------------------------------------

.
. graph box r_ppltrst r_pplfair r_pplhlp [pw=pspwght]

. graph box  r_hinct [pw=pspwght]

. graph box  r_eduyr [pw=pspwght]

. graph box  rr_health r_rlgdgr r_sclmeet [pw=pspwght]

. graph box  r_rlgdgr r_sclmeet  [pw=pspwght]

. graph box  r_stflife r_stfeco r_stfgov r_stfdem r_happy [pw=pspwght]

. graph box agea [pw=pspwght]

.
. ***INDEPENDENT VARIABLE CORRELATIONS
. corr_svy agea female r_eduyr r_hinct h_1 h_2 h_3 h_4 h_5 r_sclmeet r_rlgdgr living_w_part r_ppltrst
r_pplfair r_pplhlp  [pw=pweight], pw star(0.05)

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |       agea      female    r_eduyrs  r_hinctnta         h_1         h_2         h_3
h_4         h_5   r_sclmeet    r_rlgdgrliving_w_part
> r_ppltrst   r_pplfair    r_pplhlp
-------------+--------------------------------------------------------------------------------------------------
-------------------------------------------------------
> ---------------------------------
        agea |      1.0000
```

```
      female |      0.0697*     1.0000
    r_eduyrs |     -0.3297*     0.0039      1.0000
  r_hinctnta |     -0.2119*    -0.1070*     0.4340*     1.0000
         h_1 |      0.1467*    -0.0097     -0.1100*    -0.0747*     1.0000
         h_2 |      0.2735*     0.0591*    -0.1992*    -0.1958*    -0.0382*     1.0000
         h_3 |      0.3269*     0.0496*    -0.1283*    -0.1371*    -0.0807*    -0.1854*     1.0000
         h_4 |     -0.1986*    -0.0115      0.1846*     0.1585*    -0.1147*    -0.2636*    -0.5564*
1.0000
         h_5 |     -0.3683*    -0.0819*     0.0872*     0.1314*    -0.0604*    -0.1388*    -0.2930*    -
0.4167*     1.0000
   r_sclmeet |     -0.3785*    -0.0436      0.0582*     0.0434     -0.0555     -0.1169*    -0.1504*
0.0503*     0.2124*     1.0000
    r_rlgdgr |      0.2118*     0.1730*    -0.2217*    -0.1764*     0.0593*     0.0716*     0.0677*    -
0.0925*    -0.0300     -0.0563*     1.0000
living_w_part |      0.1917*    -0.0851*     0.1551*     0.2629*    -0.0309     -0.0671*     0.0902*
0.0454*    -0.1065*    -0.2330*     0.0248      1.0000
   r_ppltrst |     -0.0704*    -0.0071      0.1192*     0.1532*    -0.0635*    -0.0783*    -0.0739*
0.0609*     0.0842*     0.0943*    -0.0460     -0.0282
>   1.0000
   r_pplfair |     -0.0026      0.0387      0.0308      0.0863*    -0.0639*    -0.0402     -0.0473*
0.0373      0.0561*     0.0823*     0.0374     -0.0352
>   0.4223*     1.0000
    r_pplhlp |     -0.0329      0.0549*     0.0307      0.0531*    -0.0176     -0.0491     -0.0510*
0.0670*     0.0136      0.0703*     0.0690*    -0.0517*
>   0.3412*     0.3928*     1.0000
-------------------------------------------------------------------------------------------------------------------
-----------------------------------------------------
> ---------------------------------
* indicates p<0.050

. corr_svy agea female r_eduyr r_hinct h_1 h_2 h_3 h_4 h_5 r_sclmeet r_rlgdgr living_w_part r_ppltrst
r_pplfair r_pplhlp  [pw=pweight], pw star(0.01)

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |        agea      female    r_eduyrs  r_hinctnta         h_1         h_2         h_3
h_4         h_5   r_sclmeet    r_rlgdgrliving_w_part
> r_ppltrst   r_pplfair    r_pplhlp
-------------+-----------------------------------------------------------------------------------------------------
-----------------------------------------------------
> ---------------------------------
       agea |      1.0000
      female |      0.0697*     1.0000
    r_eduyrs |     -0.3297*     0.0039      1.0000
  r_hinctnta |     -0.2119*    -0.1070*     0.4340*     1.0000
         h_1 |      0.1467*    -0.0097     -0.1100*    -0.0747      1.0000
         h_2 |      0.2735*     0.0591*    -0.1992*    -0.1958*    -0.0382*     1.0000
         h_3 |      0.3269*     0.0496     -0.1283*    -0.1371*    -0.0807*    -0.1854*     1.0000
         h_4 |     -0.1986*    -0.0115      0.1846*     0.1585*    -0.1147*    -0.2636*    -0.5564*
1.0000
         h_5 |     -0.3683*    -0.0819*     0.0872*     0.1314*    -0.0604*    -0.1388*    -0.2930*    -
0.4167*     1.0000
   r_sclmeet |     -0.3785*    -0.0436      0.0582      0.0434     -0.0555     -0.1169*    -0.1504*
0.0503      0.2124*     1.0000
    r_rlgdgr |      0.2118*     0.1730*    -0.2217*    -0.1764*     0.0593      0.0716*     0.0677*    -
0.0925*    -0.0300     -0.0563      1.0000
living_w_part |      0.1917*    -0.0851*     0.1551*     0.2629*    -0.0309     -0.0671*     0.0902*
0.0454     -0.1065*    -0.2330*     0.0248      1.0000
   r_ppltrst |     -0.0704*    -0.0071      0.1192*     0.1532*    -0.0635     -0.0783*    -0.0739*
0.0609*     0.0842*     0.0943*    -0.0460     -0.0282
>   1.0000
   r_pplfair |     -0.0026      0.0387      0.0308      0.0863*    -0.0639     -0.0402     -0.0473
0.0373      0.0561      0.0823*     0.0374     -0.0352
>   0.4223*     1.0000
    r_pplhlp |     -0.0329      0.0549      0.0307      0.0531     -0.0176     -0.0491     -0.0510
0.0670*     0.0136      0.0703*     0.0690*    -0.0517
>   0.3412*     0.3928*     1.0000
-------------------------------------------------------------------------------------------------------------------
-----------------------------------------------------
> ---------------------------------
* indicates p<0.010

. corr_svy agea female r_eduyr r_hinct h_1 h_2 h_3 h_4 h_5 r_sclmeet r_rlgdgr living_w_part r_ppltrst
r_pplfair r_pplhlp  [pw=pweight], pw star(0.001)

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>
```

```
             |       agea      female    r_eduyrs  r_hinctnta         h_1         h_2         h_3
h_4         h_5   r_sclmeet    r_rlgdgrliving_w_part
> r_ppltrst   r_pplfair    r_pplhlp
-------------+------------------------------------------------------------------------------------------------
-------------------------------------------------------
> --------------------------------
        agea |      1.0000
      female |      0.0697      1.0000
    r_eduyrs |     -0.3297*     0.0039      1.0000
  r_hinctnta |     -0.2119*    -0.1070*     0.4340*     1.0000
         h_1 |      0.1467*    -0.0097     -0.1100*    -0.0747      1.0000
         h_2 |      0.2735*     0.0591     -0.1992*    -0.1958*    -0.0382*     1.0000
         h_3 |      0.3269*     0.0496     -0.1283*    -0.1371*    -0.0807*    -0.1854*     1.0000
         h_4 |     -0.1986*    -0.0115      0.1846*     0.1585*    -0.1147*    -0.2636*    -0.5564*
1.0000
         h_5 |     -0.3683*    -0.0819*     0.0872*     0.1314*    -0.0604*    -0.1388*    -0.2930*    -
0.4167*     1.0000
   r_sclmeet |     -0.3785*    -0.0436      0.0582      0.0434     -0.0555     -0.1169*    -0.1504*
0.0503      0.2124*     1.0000
    r_rlgdgr |      0.2118*     0.1730*    -0.2217*    -0.1764*     0.0593      0.0716      0.0677     -
0.0925*    -0.0300     -0.0563      1.0000
living_w_part |      0.1917*    -0.0851*     0.1551*     0.2629*    -0.0309     -0.0671      0.0902*
0.0454     -0.1065*    -0.2330*     0.0248      1.0000
   r_ppltrst |     -0.0704     -0.0071      0.1192*     0.1532*    -0.0635     -0.0783     -0.0739
0.0609      0.0842*     0.0943*    -0.0460     -0.0282
>   1.0000
   r_pplfair |     -0.0026      0.0387      0.0308      0.0863*    -0.0639     -0.0402     -0.0473
0.0373      0.0561      0.0823*     0.0374     -0.0352
>   0.4223*     1.0000
    r_pplhlp |     -0.0329      0.0549      0.0307      0.0531     -0.0176     -0.0491     -0.0510
0.0670      0.0136      0.0703      0.0690     -0.0517
>   0.3412*     0.3928*     1.0000
-------------+------------------------------------------------------------------------------------------------
-------------------------------------------------------
> --------------------------------
* indicates p<0.001

.
. corr_svy age15_27 age28_39 age40_54 age55_64 age65_up r_ppltrst r_pplfair r_pplhlp  [pw=pweight], pw
star(0.05)

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age15_27    age28_39    age40_54    age55_64    age65_up   r_ppltrst   r_pplfair
r_pplhlp
-------------+------------------------------------------------------------------------------------------------
---
    age15_27 |      1.0000
    age28_39 |     -0.2586*     1.0000
    age40_54 |     -0.2790*    -0.2772*     1.0000
    age55_64 |     -0.2375*    -0.2360*    -0.2546*     1.0000
    age65_up |     -0.2396*    -0.2381*    -0.2569*    -0.2186*     1.0000
   r_ppltrst |      0.0506*     0.0295     -0.0190      0.0026     -0.0663*     1.0000
   r_pplfair |      0.0519*    -0.0138     -0.0613*    -0.0290      0.0564*     0.4223*     1.0000
    r_pplhlp |      0.0359      0.0359     -0.0280     -0.0658*     0.0205      0.3412*     0.3928*
1.0000
-------------+------------------------------------------------------------------------------------------------
---
* indicates p<0.050

. corr_svy age15_27 age28_39 age40_54 age55_64 age65_up r_ppltrst r_pplfair r_pplhlp  [pw=pweight], pw
star(0.01)

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age15_27    age28_39    age40_54    age55_64    age65_up   r_ppltrst   r_pplfair
r_pplhlp
-------------+------------------------------------------------------------------------------------------------
---
    age15_27 |      1.0000
    age28_39 |     -0.2586*     1.0000
    age40_54 |     -0.2790*    -0.2772*     1.0000
    age55_64 |     -0.2375*    -0.2360*    -0.2546*     1.0000
    age65_up |     -0.2396*    -0.2381*    -0.2569*    -0.2186*     1.0000
   r_ppltrst |      0.0506      0.0295     -0.0190      0.0026     -0.0663*     1.0000
   r_pplfair |      0.0519     -0.0138     -0.0613*    -0.0290      0.0564      0.4223*     1.0000
    r_pplhlp |      0.0359      0.0359     -0.0280     -0.0658*     0.0205      0.3412*     0.3928*
1.0000
```

```
------------------------------------------------------------------------------------------------------------------
---
* indicates p<0.010

. corr_svy age15_27 age28_39 age40_54 age55_64 age65_up r_ppltrst r_pplfair r_pplhlp  [pw=pweight], pw
star(0.001)

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age15_27    age28_39    age40_54    age55_64    age65_up   r_ppltrst   r_pplfair
r_pplhlp
-------------+----------------------------------------------------------------------------------------------------
---
    age15_27 |      1.0000
    age28_39 |     -0.2586*     1.0000
    age40_54 |     -0.2790*    -0.2772*     1.0000
    age55_64 |     -0.2375*    -0.2360*    -0.2546*     1.0000
    age65_up |     -0.2396*    -0.2381*    -0.2569*    -0.2186*     1.0000
   r_ppltrst |      0.0506      0.0295     -0.0190      0.0026     -0.0663      1.0000
   r_pplfair |      0.0519     -0.0138     -0.0613     -0.0290      0.0564      0.4223*     1.0000
    r_pplhlp |      0.0359      0.0359     -0.0280     -0.0658      0.0205      0.3412*     0.3928*
1.0000
------------------------------------------------------------------------------------------------------------------
---
* indicates p<0.001

.
.
.
. ***DEPENDENT VARIABLE CORRELATIONS
. foreach var of varlist age15_27 age28_39 age40_54 age55_64 age65_up agea female r_eduyr r_hinct h_1 h_2
h_3 h_4 h_5 r_sclmeet r_rlgdgr living_w_part r_ppltrst r
> _pplfair r_pplhlp {
  2. corr_svy `var' r_stflife [pw=pweight], pw star(0.05)
  3. corr_svy `var' r_stflife [pw=pweight], pw star(0.01)
  4. corr_svy `var' r_stflife [pw=pweight], pw star(0.001)
  5. }

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age15_27   r_stflife
-------------+------------------------
    age15_27 |      1.0000
   r_stflife |      0.1079*     1.0000
----------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age15_27   r_stflife
-------------+------------------------
    age15_27 |      1.0000
   r_stflife |      0.1079*     1.0000
----------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age15_27   r_stflife
-------------+------------------------
    age15_27 |      1.0000
   r_stflife |      0.1079*     1.0000
----------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
```

```
Strata:   <one>
PSU:      <observations>


             |    age28_39   r_stflife
-------------+------------------------
    age28_39 |      1.0000
   r_stflife |      0.0517*     1.0000
--------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age28_39   r_stflife
-------------+------------------------
    age28_39 |      1.0000
   r_stflife |      0.0517      1.0000
--------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age28_39   r_stflife
-------------+------------------------
    age28_39 |      1.0000
   r_stflife |      0.0517      1.0000
--------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age40_54   r_stflife
-------------+------------------------
    age40_54 |      1.0000
   r_stflife |     -0.0765*     1.0000
--------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age40_54   r_stflife
-------------+------------------------
    age40_54 |      1.0000
   r_stflife |     -0.0765*     1.0000
--------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age40_54   r_stflife
-------------+------------------------
    age40_54 |      1.0000
   r_stflife |     -0.0765      1.0000
--------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>
```

```
             |    age55_64   r_stflife
-------------+------------------------
    age55_64 |      1.0000
   r_stflife |     -0.0704*     1.0000
--------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age55_64   r_stflife
-------------+------------------------
    age55_64 |      1.0000
   r_stflife |     -0.0704*     1.0000
--------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age55_64   r_stflife
-------------+------------------------
    age55_64 |      1.0000
   r_stflife |     -0.0704      1.0000
--------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age65_up   r_stflife
-------------+------------------------
    age65_up |      1.0000
   r_stflife |     -0.0145      1.0000
--------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age65_up   r_stflife
-------------+------------------------
    age65_up |      1.0000
   r_stflife |     -0.0145      1.0000
--------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age65_up   r_stflife
-------------+------------------------
    age65_up |      1.0000
   r_stflife |     -0.0145      1.0000
--------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |        agea   r_stflife
-------------+------------------------
        agea |      1.0000
   r_stflife |     -0.1053*     1.0000
```

```
--------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |        agea   r_stflife
-------------+------------------------
        agea |      1.0000
   r_stflife |     -0.1053*     1.0000
--------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |        agea   r_stflife
-------------+------------------------
        agea |      1.0000
   r_stflife |     -0.1053*     1.0000
--------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |      female   r_stflife
-------------+------------------------
      female |      1.0000
   r_stflife |     -0.0189      1.0000
--------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |      female   r_stflife
-------------+------------------------
      female |      1.0000
   r_stflife |     -0.0189      1.0000
--------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |      female   r_stflife
-------------+------------------------
      female |      1.0000
   r_stflife |     -0.0189      1.0000
--------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    r_eduyrs   r_stflife
-------------+------------------------
    r_eduyrs |      1.0000
   r_stflife |      0.0479*     1.0000
--------------------------------------
* indicates p<0.050

Survey Correlation
```

```
pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    r_eduyrs   r_stflife
-------------+------------------------
    r_eduyrs |      1.0000
   r_stflife |      0.0479      1.0000
--------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    r_eduyrs   r_stflife
-------------+------------------------
    r_eduyrs |      1.0000
   r_stflife |      0.0479      1.0000
--------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |  r_hinctnta   r_stflife
-------------+------------------------
  r_hinctnta |      1.0000
   r_stflife |      0.2449*     1.0000
--------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |  r_hinctnta   r_stflife
-------------+------------------------
  r_hinctnta |      1.0000
   r_stflife |      0.2449*     1.0000
--------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |  r_hinctnta   r_stflife
-------------+------------------------
  r_hinctnta |      1.0000
   r_stflife |      0.2449*     1.0000
--------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |         h_1   r_stflife
-------------+------------------------
         h_1 |      1.0000
   r_stflife |     -0.1156*     1.0000
--------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>
```

```
             |         h_1   r_stflife
-------------+------------------------
         h_1 |      1.0000
   r_stflife |     -0.1156*     1.0000
--------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |         h_1   r_stflife
-------------+------------------------
         h_1 |      1.0000
   r_stflife |     -0.1156      1.0000
--------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |         h_2   r_stflife
-------------+------------------------
         h_2 |      1.0000
   r_stflife |     -0.1689*     1.0000
--------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |         h_2   r_stflife
-------------+------------------------
         h_2 |      1.0000
   r_stflife |     -0.1689*     1.0000
--------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |         h_2   r_stflife
-------------+------------------------
         h_2 |      1.0000
   r_stflife |     -0.1689*     1.0000
--------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |         h_3   r_stflife
-------------+------------------------
         h_3 |      1.0000
   r_stflife |     -0.1336*     1.0000
--------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |         h_3   r_stflife
-------------+------------------------
```

```
         h_3 |      1.0000
   r_stflife |     -0.1336*     1.0000
-------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |         h_3   r_stflife
-------------+------------------------
         h_3 |      1.0000
   r_stflife |     -0.1336*     1.0000
-------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |         h_4   r_stflife
-------------+------------------------
         h_4 |      1.0000
   r_stflife |      0.0934*     1.0000
-------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |         h_4   r_stflife
-------------+------------------------
         h_4 |      1.0000
   r_stflife |      0.0934*     1.0000
-------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |         h_4   r_stflife
-------------+------------------------
         h_4 |      1.0000
   r_stflife |      0.0934*     1.0000
-------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |         h_5   r_stflife
-------------+------------------------
         h_5 |      1.0000
   r_stflife |      0.1927*     1.0000
-------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |         h_5   r_stflife
-------------+------------------------
         h_5 |      1.0000
   r_stflife |      0.1927*     1.0000
-------------------------------------
* indicates p<0.010
```

```
Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |         h_5   r_stflife
-------------+------------------------
         h_5 |      1.0000
   r_stflife |      0.1927*     1.0000
--------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |   r_sclmeet   r_stflife
-------------+------------------------
   r_sclmeet |      1.0000
   r_stflife |      0.1543*     1.0000
--------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |   r_sclmeet   r_stflife
-------------+------------------------
   r_sclmeet |      1.0000
   r_stflife |      0.1543*     1.0000
--------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |   r_sclmeet   r_stflife
-------------+------------------------
   r_sclmeet |      1.0000
   r_stflife |      0.1543*     1.0000
--------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    r_rlgdgr   r_stflife
-------------+------------------------
    r_rlgdgr |      1.0000
   r_stflife |      0.1375*     1.0000
--------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    r_rlgdgr   r_stflife
-------------+------------------------
    r_rlgdgr |      1.0000
   r_stflife |      0.1375*     1.0000
--------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
```

```
Strata:   <one>
PSU:      <observations>


             |    r_rlgdgr   r_stflife
-------------+------------------------
    r_rlgdgr |      1.0000
   r_stflife |      0.1375*     1.0000
--------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |living_w_part   r_stflife
-------------+------------------------
living_w_part |      1.0000
   r_stflife |      0.0784*     1.0000
--------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |living_w_part   r_stflife
-------------+------------------------
living_w_part |      1.0000
   r_stflife |      0.0784*     1.0000
--------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |living_w_part   r_stflife
-------------+------------------------
living_w_part |      1.0000
   r_stflife |      0.0784*     1.0000
--------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |   r_ppltrst   r_stflife
-------------+------------------------
   r_ppltrst |      1.0000
   r_stflife |      0.1590*     1.0000
--------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |   r_ppltrst   r_stflife
-------------+------------------------
   r_ppltrst |      1.0000
   r_stflife |      0.1590*     1.0000
--------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>
```

```
             |   r_ppltrst   r_stflife
-------------+------------------------
   r_ppltrst |      1.0000
   r_stflife |      0.1590*     1.0000
--------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |   r_pplfair   r_stflife
-------------+------------------------
   r_pplfair |      1.0000
   r_stflife |      0.1759*     1.0000
--------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |   r_pplfair   r_stflife
-------------+------------------------
   r_pplfair |      1.0000
   r_stflife |      0.1759*     1.0000
--------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |   r_pplfair   r_stflife
-------------+------------------------
   r_pplfair |      1.0000
   r_stflife |      0.1759*     1.0000
--------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    r_pplhlp   r_stflife
-------------+------------------------
    r_pplhlp |      1.0000
   r_stflife |      0.1215*     1.0000
--------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    r_pplhlp   r_stflife
-------------+------------------------
    r_pplhlp |      1.0000
   r_stflife |      0.1215*     1.0000
--------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    r_pplhlp   r_stflife
-------------+------------------------
    r_pplhlp |      1.0000
   r_stflife |      0.1215*     1.0000
```

```
--------------------------------------
* indicates p<0.001

. foreach var of varlist age15_27 age28_39 age40_54 age55_64 age65_up agea female r_eduyr r_hinct h_1 h_2
h_3 h_4 h_5 r_sclmeet r_rlgdgr living_w_part r_ppltrst r
> _pplfair r_pplhlp {
  2. corr_svy `var' r_stfeco [pw=pweight], pw star(0.05)
  3. corr_svy `var' r_stfeco [pw=pweight], pw star(0.01)
  4. corr_svy `var' r_stfeco [pw=pweight], pw star(0.001)
  5. }

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age15_27    r_stfeco
-------------+------------------------
    age15_27 |      1.0000
    r_stfeco |      0.1268*     1.0000
--------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age15_27    r_stfeco
-------------+------------------------
    age15_27 |      1.0000
    r_stfeco |      0.1268*     1.0000
--------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age15_27    r_stfeco
-------------+------------------------
    age15_27 |      1.0000
    r_stfeco |      0.1268*     1.0000
--------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age28_39    r_stfeco
-------------+------------------------
    age28_39 |      1.0000
    r_stfeco |     -0.0226      1.0000
--------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age28_39    r_stfeco
-------------+------------------------
    age28_39 |      1.0000
    r_stfeco |     -0.0226      1.0000
--------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>
```

```
             |    age28_39    r_stfeco
-------------+------------------------
    age28_39 |      1.0000
    r_stfeco |     -0.0226      1.0000
--------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age40_54    r_stfeco
-------------+------------------------
    age40_54 |      1.0000
    r_stfeco |     -0.0513*     1.0000
--------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age40_54    r_stfeco
-------------+------------------------
    age40_54 |      1.0000
    r_stfeco |     -0.0513      1.0000
--------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age40_54    r_stfeco
-------------+------------------------
    age40_54 |      1.0000
    r_stfeco |     -0.0513      1.0000
--------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age55_64    r_stfeco
-------------+------------------------
    age55_64 |      1.0000
    r_stfeco |     -0.0296      1.0000
--------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age55_64    r_stfeco
-------------+------------------------
    age55_64 |      1.0000
    r_stfeco |     -0.0296      1.0000
--------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age55_64    r_stfeco
-------------+------------------------
    age55_64 |      1.0000
    r_stfeco |     -0.0296      1.0000
```

```
--------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age65_up    r_stfeco
-------------+------------------------
    age65_up |      1.0000
    r_stfeco |     -0.0245      1.0000
--------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age65_up    r_stfeco
-------------+------------------------
    age65_up |      1.0000
    r_stfeco |     -0.0245      1.0000
--------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age65_up    r_stfeco
-------------+------------------------
    age65_up |      1.0000
    r_stfeco |     -0.0245      1.0000
--------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |        agea    r_stfeco
-------------+------------------------
        agea |      1.0000
    r_stfeco |     -0.0896*     1.0000
--------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |        agea    r_stfeco
-------------+------------------------
        agea |      1.0000
    r_stfeco |     -0.0896*     1.0000
--------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |        agea    r_stfeco
-------------+------------------------
        agea |      1.0000
    r_stfeco |     -0.0896*     1.0000
--------------------------------------
* indicates p<0.001

Survey Correlation
```

```
pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |      female    r_stfeco
-------------+------------------------
      female |      1.0000
    r_stfeco |     -0.0323      1.0000
---------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |      female    r_stfeco
-------------+------------------------
      female |      1.0000
    r_stfeco |     -0.0323      1.0000
---------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |      female    r_stfeco
-------------+------------------------
      female |      1.0000
    r_stfeco |     -0.0323      1.0000
---------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    r_eduyrs    r_stfeco
-------------+------------------------
    r_eduyrs |      1.0000
    r_stfeco |      0.0096      1.0000
---------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    r_eduyrs    r_stfeco
-------------+------------------------
    r_eduyrs |      1.0000
    r_stfeco |      0.0096      1.0000
---------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    r_eduyrs    r_stfeco
-------------+------------------------
    r_eduyrs |      1.0000
    r_stfeco |      0.0096      1.0000
---------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>
```

```
             |  r_hinctnta    r_stfeco
-------------+------------------------
  r_hinctnta |      1.0000
    r_stfeco |      0.1747*     1.0000
--------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |  r_hinctnta    r_stfeco
-------------+------------------------
  r_hinctnta |      1.0000
    r_stfeco |      0.1747*     1.0000
--------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |  r_hinctnta    r_stfeco
-------------+------------------------
  r_hinctnta |      1.0000
    r_stfeco |      0.1747*     1.0000
--------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |         h_1    r_stfeco
-------------+------------------------
         h_1 |      1.0000
    r_stfeco |     -0.0616      1.0000
--------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |         h_1    r_stfeco
-------------+------------------------
         h_1 |      1.0000
    r_stfeco |     -0.0616      1.0000
--------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |         h_1    r_stfeco
-------------+------------------------
         h_1 |      1.0000
    r_stfeco |     -0.0616      1.0000
--------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |         h_2    r_stfeco
-------------+------------------------
```

```
         h_2 |      1.0000
    r_stfeco |     -0.1117*     1.0000
-------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |         h_2    r_stfeco
-------------+------------------------
         h_2 |      1.0000
    r_stfeco |     -0.1117*     1.0000
-------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |         h_2    r_stfeco
-------------+------------------------
         h_2 |      1.0000
    r_stfeco |     -0.1117*     1.0000
-------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |         h_3    r_stfeco
-------------+------------------------
         h_3 |      1.0000
    r_stfeco |     -0.0976*     1.0000
-------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |         h_3    r_stfeco
-------------+------------------------
         h_3 |      1.0000
    r_stfeco |     -0.0976*     1.0000
-------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |         h_3    r_stfeco
-------------+------------------------
         h_3 |      1.0000
    r_stfeco |     -0.0976*     1.0000
-------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |         h_4    r_stfeco
-------------+------------------------
         h_4 |      1.0000
    r_stfeco |      0.0500*     1.0000
-------------------------------------
* indicates p<0.050
```

```
Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |         h_4    r_stfeco
-------------+------------------------
         h_4 |      1.0000
    r_stfeco |      0.0500      1.0000
--------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |         h_4    r_stfeco
-------------+------------------------
         h_4 |      1.0000
    r_stfeco |      0.0500      1.0000
--------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |         h_5    r_stfeco
-------------+------------------------
         h_5 |      1.0000
    r_stfeco |      0.1448*     1.0000
--------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |         h_5    r_stfeco
-------------+------------------------
         h_5 |      1.0000
    r_stfeco |      0.1448*     1.0000
--------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |         h_5    r_stfeco
-------------+------------------------
         h_5 |      1.0000
    r_stfeco |      0.1448*     1.0000
--------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |   r_sclmeet    r_stfeco
-------------+------------------------
   r_sclmeet |      1.0000
    r_stfeco |      0.1211*     1.0000
--------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
```

```
Strata:   <one>
PSU:      <observations>


             |   r_sclmeet    r_stfeco
-------------+------------------------
   r_sclmeet |      1.0000
    r_stfeco |      0.1211*     1.0000
--------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |   r_sclmeet    r_stfeco
-------------+------------------------
   r_sclmeet |      1.0000
    r_stfeco |      0.1211*     1.0000
--------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    r_rlgdgr    r_stfeco
-------------+------------------------
    r_rlgdgr |      1.0000
    r_stfeco |      0.0454      1.0000
--------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    r_rlgdgr    r_stfeco
-------------+------------------------
    r_rlgdgr |      1.0000
    r_stfeco |      0.0454      1.0000
--------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    r_rlgdgr    r_stfeco
-------------+------------------------
    r_rlgdgr |      1.0000
    r_stfeco |      0.0454      1.0000
--------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |living_w_part    r_stfeco
-------------+------------------------
living_w_part |      1.0000
    r_stfeco |      0.0046      1.0000
--------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>
```

```
             |living_w_part    r_stfeco
-------------+------------------------
living_w_part |      1.0000
    r_stfeco |      0.0046      1.0000
--------------------------------------
* indicates p<0.010
```

```
Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>
```

```
             |living_w_part    r_stfeco
-------------+------------------------
living_w_part |      1.0000
    r_stfeco |      0.0046      1.0000
--------------------------------------
* indicates p<0.001
```

```
Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>
```

```
             |   r_ppltrst    r_stfeco
-------------+------------------------
   r_ppltrst |      1.0000
    r_stfeco |      0.2146*     1.0000
--------------------------------------
* indicates p<0.050
```

```
Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>
```

```
             |   r_ppltrst    r_stfeco
-------------+------------------------
   r_ppltrst |      1.0000
    r_stfeco |      0.2146*     1.0000
--------------------------------------
* indicates p<0.010
```

```
Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>
```

```
             |   r_ppltrst    r_stfeco
-------------+------------------------
   r_ppltrst |      1.0000
    r_stfeco |      0.2146*     1.0000
--------------------------------------
* indicates p<0.001
```

```
Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>
```

```
             |   r_pplfair    r_stfeco
-------------+------------------------
   r_pplfair |      1.0000
    r_stfeco |      0.2502*     1.0000
--------------------------------------
* indicates p<0.050
```

```
Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>
```

```
             |   r_pplfair    r_stfeco
-------------+------------------------
   r_pplfair |      1.0000
    r_stfeco |      0.2502*     1.0000
```

```
-------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |   r_pplfair    r_stfeco
-------------+------------------------
   r_pplfair |      1.0000
    r_stfeco |      0.2502*     1.0000
-------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    r_pplhlp    r_stfeco
-------------+------------------------
    r_pplhlp |      1.0000
    r_stfeco |      0.1840*     1.0000
-------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    r_pplhlp    r_stfeco
-------------+------------------------
    r_pplhlp |      1.0000
    r_stfeco |      0.1840*     1.0000
-------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    r_pplhlp    r_stfeco
-------------+------------------------
    r_pplhlp |      1.0000
    r_stfeco |      0.1840*     1.0000
-------------------------------------
* indicates p<0.001

. foreach var of varlist age15_27 age28_39 age40_54 age55_64 age65_up agea female r_eduyr r_hinct h_1 h_2
h_3 h_4 h_5 r_sclmeet r_rlgdgr living_w_part r_ppltrst r
> _pplfair r_pplhlp {
  2. corr_svy `var' r_stfgov [pw=pweight], pw star(.05)
  3. corr_svy `var' r_stfeco [pw=pweight], pw star(0.01)
  4. corr_svy `var' r_stfeco [pw=pweight], pw star(0.001)
  5. }

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age15_27    r_stfgov
-------------+------------------------
    age15_27 |      1.0000
    r_stfgov |      0.0045      1.0000
-------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>
```

```
             |    age15_27    r_stfeco
-------------+------------------------
    age15_27 |      1.0000
    r_stfeco |      0.1268*     1.0000
--------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age15_27    r_stfeco
-------------+------------------------
    age15_27 |      1.0000
    r_stfeco |      0.1268*     1.0000
--------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age28_39    r_stfgov
-------------+------------------------
    age28_39 |      1.0000
    r_stfgov |     -0.0359      1.0000
--------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age28_39    r_stfeco
-------------+------------------------
    age28_39 |      1.0000
    r_stfeco |     -0.0226      1.0000
--------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age28_39    r_stfeco
-------------+------------------------
    age28_39 |      1.0000
    r_stfeco |     -0.0226      1.0000
--------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age40_54    r_stfgov
-------------+------------------------
    age40_54 |      1.0000
    r_stfgov |      0.0022      1.0000
--------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age40_54    r_stfeco
-------------+------------------------
    age40_54 |      1.0000
    r_stfeco |     -0.0513      1.0000
```

```
--------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age40_54    r_stfeco
-------------+------------------------
    age40_54 |      1.0000
    r_stfeco |     -0.0513      1.0000
--------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age55_64    r_stfgov
-------------+------------------------
    age55_64 |      1.0000
    r_stfgov |     -0.0004      1.0000
--------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age55_64    r_stfeco
-------------+------------------------
    age55_64 |      1.0000
    r_stfeco |     -0.0296      1.0000
--------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age55_64    r_stfeco
-------------+------------------------
    age55_64 |      1.0000
    r_stfeco |     -0.0296      1.0000
--------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age65_up    r_stfgov
-------------+------------------------
    age65_up |      1.0000
    r_stfgov |      0.0314      1.0000
--------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age65_up    r_stfeco
-------------+------------------------
    age65_up |      1.0000
    r_stfeco |     -0.0245      1.0000
--------------------------------------
* indicates p<0.010

Survey Correlation
```

```
pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age65_up    r_stfeco
-------------+------------------------
    age65_up |      1.0000
    r_stfeco |     -0.0245      1.0000
--------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |        agea    r_stfgov
-------------+------------------------
        agea |      1.0000
    r_stfgov |      0.0304      1.0000
--------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |        agea    r_stfeco
-------------+------------------------
        agea |      1.0000
    r_stfeco |     -0.0896*     1.0000
--------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |        agea    r_stfeco
-------------+------------------------
        agea |      1.0000
    r_stfeco |     -0.0896*     1.0000
--------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |      female    r_stfgov
-------------+------------------------
      female |      1.0000
    r_stfgov |     -0.0006      1.0000
--------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |      female    r_stfeco
-------------+------------------------
      female |      1.0000
    r_stfeco |     -0.0323      1.0000
--------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>
```

```
             |      female    r_stfeco
-------------+------------------------
      female |      1.0000
    r_stfeco |     -0.0323      1.0000
--------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    r_eduyrs    r_stfgov
-------------+------------------------
    r_eduyrs |      1.0000
    r_stfgov |      0.0062      1.0000
--------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    r_eduyrs    r_stfeco
-------------+------------------------
    r_eduyrs |      1.0000
    r_stfeco |      0.0096      1.0000
--------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    r_eduyrs    r_stfeco
-------------+------------------------
    r_eduyrs |      1.0000
    r_stfeco |      0.0096      1.0000
--------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |  r_hinctnta    r_stfgov
-------------+------------------------
  r_hinctnta |      1.0000
    r_stfgov |      0.1025*     1.0000
--------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |  r_hinctnta    r_stfeco
-------------+------------------------
  r_hinctnta |      1.0000
    r_stfeco |      0.1747*     1.0000
--------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |  r_hinctnta    r_stfeco
-------------+------------------------
```

```
  r_hinctnta |      1.0000
    r_stfeco |      0.1747*     1.0000
-------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |         h_1    r_stfgov
-------------+------------------------
         h_1 |      1.0000
    r_stfgov |     -0.0270      1.0000
-------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |         h_1    r_stfeco
-------------+------------------------
         h_1 |      1.0000
    r_stfeco |     -0.0616      1.0000
-------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |         h_1    r_stfeco
-------------+------------------------
         h_1 |      1.0000
    r_stfeco |     -0.0616      1.0000
-------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |         h_2    r_stfgov
-------------+------------------------
         h_2 |      1.0000
    r_stfgov |     -0.0471*     1.0000
-------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |         h_2    r_stfeco
-------------+------------------------
         h_2 |      1.0000
    r_stfeco |     -0.1117*     1.0000
-------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |         h_2    r_stfeco
-------------+------------------------
         h_2 |      1.0000
    r_stfeco |     -0.1117*     1.0000
-------------------------------------
* indicates p<0.001
```

Survey Correlation

pweight: pweight
Strata: <one>
PSU: <observations>

	h_3	r_stfgov
h_3	1.0000	
r_stfgov	-0.0771*	1.0000

* indicates p<0.050

Survey Correlation

pweight: pweight
Strata: <one>
PSU: <observations>

	h_3	r_stfeco
h_3	1.0000	
r_stfeco	-0.0976*	1.0000

* indicates p<0.010

Survey Correlation

pweight: pweight
Strata: <one>
PSU: <observations>

	h_3	r_stfeco
h_3	1.0000	
r_stfeco	-0.0976*	1.0000

* indicates p<0.001

Survey Correlation

pweight: pweight
Strata: <one>
PSU: <observations>

	h_4	r_stfgov
h_4	1.0000	
r_stfgov	0.0506*	1.0000

* indicates p<0.050

Survey Correlation

pweight: pweight
Strata: <one>
PSU: <observations>

	h_4	r_stfeco
h_4	1.0000	
r_stfeco	0.0500	1.0000

* indicates p<0.010

Survey Correlation

pweight: pweight
Strata: <one>
PSU: <observations>

	h_4	r_stfeco
h_4	1.0000	
r_stfeco	0.0500	1.0000

* indicates p<0.001

Survey Correlation

pweight: pweight

Strata: <one>
PSU: <observations>

	h_5	r_stfgov
h_5	1.0000	
r_stfgov	0.0666*	1.0000

* indicates p<0.050

Survey Correlation

pweight: pweight
Strata: <one>
PSU: <observations>

	h_5	r_stfeco
h_5	1.0000	
r_stfeco	0.1448*	1.0000

* indicates p<0.010

Survey Correlation

pweight: pweight
Strata: <one>
PSU: <observations>

	h_5	r_stfeco
h_5	1.0000	
r_stfeco	0.1448*	1.0000

* indicates p<0.001

Survey Correlation

pweight: pweight
Strata: <one>
PSU: <observations>

	r_sclmeet	r_stfgov
r_sclmeet	1.0000	
r_stfgov	0.0491*	1.0000

* indicates p<0.050

Survey Correlation

pweight: pweight
Strata: <one>
PSU: <observations>

	r_sclmeet	r_stfeco
r_sclmeet	1.0000	
r_stfeco	0.1211*	1.0000

* indicates p<0.010

Survey Correlation

pweight: pweight
Strata: <one>
PSU: <observations>

	r_sclmeet	r_stfeco
r_sclmeet	1.0000	
r_stfeco	0.1211*	1.0000

* indicates p<0.001

Survey Correlation

pweight: pweight
Strata: <one>
PSU: <observations>

```
             |    r_rlgdgr    r_stfgov
-------------+------------------------
    r_rlgdgr |      1.0000
    r_stfgov |      0.0494*     1.0000
--------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    r_rlgdgr    r_stfeco
-------------+------------------------
    r_rlgdgr |      1.0000
    r_stfeco |      0.0454      1.0000
--------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    r_rlgdgr    r_stfeco
-------------+------------------------
    r_rlgdgr |      1.0000
    r_stfeco |      0.0454      1.0000
--------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |living_w_part    r_stfgov
-------------+------------------------
living_w_part |      1.0000
    r_stfgov |     -0.0055      1.0000
--------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |living_w_part    r_stfeco
-------------+------------------------
living_w_part |      1.0000
    r_stfeco |      0.0046      1.0000
--------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |living_w_part    r_stfeco
-------------+------------------------
living_w_part |      1.0000
    r_stfeco |      0.0046      1.0000
--------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |   r_ppltrst    r_stfgov
-------------+------------------------
   r_ppltrst |      1.0000
    r_stfgov |      0.2264*     1.0000
```

```
-------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |   r_ppltrst    r_stfeco
-------------+------------------------
   r_ppltrst |      1.0000
    r_stfeco |      0.2146*     1.0000
-------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |   r_ppltrst    r_stfeco
-------------+------------------------
   r_ppltrst |      1.0000
    r_stfeco |      0.2146*     1.0000
-------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |   r_pplfair    r_stfgov
-------------+------------------------
   r_pplfair |      1.0000
    r_stfgov |      0.2701*     1.0000
-------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |   r_pplfair    r_stfeco
-------------+------------------------
   r_pplfair |      1.0000
    r_stfeco |      0.2502*     1.0000
-------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |   r_pplfair    r_stfeco
-------------+------------------------
   r_pplfair |      1.0000
    r_stfeco |      0.2502*     1.0000
-------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    r_pplhlp    r_stfgov
-------------+------------------------
    r_pplhlp |      1.0000
    r_stfgov |      0.2043*     1.0000
-------------------------------------
* indicates p<0.050

Survey Correlation
```

```
pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    r_pplhlp    r_stfeco
-------------+------------------------
    r_pplhlp |      1.0000
    r_stfeco |      0.1840*     1.0000
--------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    r_pplhlp    r_stfeco
-------------+------------------------
    r_pplhlp |      1.0000
    r_stfeco |      0.1840*     1.0000
--------------------------------------
* indicates p<0.001

. foreach var of varlist age15_27 age28_39 age40_54 age55_64 age65_up agea female r_eduyr r_hinct h_1 h_2
h_3 h_4 h_5 r_sclmeet r_rlgdgr living_w_part r_ppltrst r
> _pplfair r_pplhlp {
  2. corr_svy `var' r_stfdem [pw=pweight], pw star(.05)
  3. corr_svy `var' r_stfdem [pw=pweight], pw star(.01)
  4. corr_svy `var' r_stfdem [pw=pweight], pw star(.001)
  5. }

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age15_27    r_stfdem
-------------+------------------------
    age15_27 |      1.0000
    r_stfdem |      0.0881*     1.0000
--------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age15_27    r_stfdem
-------------+------------------------
    age15_27 |      1.0000
    r_stfdem |      0.0881*     1.0000
--------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age15_27    r_stfdem
-------------+------------------------
    age15_27 |      1.0000
    r_stfdem |      0.0881*     1.0000
--------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age28_39    r_stfdem
-------------+------------------------
    age28_39 |      1.0000
    r_stfdem |      0.0188      1.0000
```

```
--------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age28_39    r_stfdem
-------------+------------------------
    age28_39 |      1.0000
    r_stfdem |      0.0188      1.0000
--------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age28_39    r_stfdem
-------------+------------------------
    age28_39 |      1.0000
    r_stfdem |      0.0188      1.0000
--------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age40_54    r_stfdem
-------------+------------------------
    age40_54 |      1.0000
    r_stfdem |     -0.0389      1.0000
--------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age40_54    r_stfdem
-------------+------------------------
    age40_54 |      1.0000
    r_stfdem |     -0.0389      1.0000
--------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age40_54    r_stfdem
-------------+------------------------
    age40_54 |      1.0000
    r_stfdem |     -0.0389      1.0000
--------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age55_64    r_stfdem
-------------+------------------------
    age55_64 |      1.0000
    r_stfdem |     -0.0547*     1.0000
--------------------------------------
* indicates p<0.050

Survey Correlation
```

```
pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age55_64    r_stfdem
-------------+------------------------
    age55_64 |      1.0000
    r_stfdem |     -0.0547      1.0000
--------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age55_64    r_stfdem
-------------+------------------------
    age55_64 |      1.0000
    r_stfdem |     -0.0547      1.0000
--------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age65_up    r_stfdem
-------------+------------------------
    age65_up |      1.0000
    r_stfdem |     -0.0160      1.0000
--------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age65_up    r_stfdem
-------------+------------------------
    age65_up |      1.0000
    r_stfdem |     -0.0160      1.0000
--------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age65_up    r_stfdem
-------------+------------------------
    age65_up |      1.0000
    r_stfdem |     -0.0160      1.0000
--------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |        agea    r_stfdem
-------------+------------------------
        agea |      1.0000
    r_stfdem |     -0.0724*     1.0000
--------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>
```

```
             |        agea    r_stfdem
-------------+------------------------
        agea |      1.0000
    r_stfdem |     -0.0724*     1.0000
--------------------------------------
* indicates p<0.010
```

```
Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>
```

```
             |        agea    r_stfdem
-------------+------------------------
        agea |      1.0000
    r_stfdem |     -0.0724      1.0000
--------------------------------------
* indicates p<0.001
```

```
Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>
```

```
             |      female    r_stfdem
-------------+------------------------
      female |      1.0000
    r_stfdem |     -0.0033      1.0000
--------------------------------------
* indicates p<0.050
```

```
Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>
```

```
             |      female    r_stfdem
-------------+------------------------
      female |      1.0000
    r_stfdem |     -0.0033      1.0000
--------------------------------------
* indicates p<0.010
```

```
Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>
```

```
             |      female    r_stfdem
-------------+------------------------
      female |      1.0000
    r_stfdem |     -0.0033      1.0000
--------------------------------------
* indicates p<0.001
```

```
Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>
```

```
             |    r_eduyrs    r_stfdem
-------------+------------------------
    r_eduyrs |      1.0000
    r_stfdem |      0.0582*     1.0000
--------------------------------------
* indicates p<0.050
```

```
Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>
```

```
             |    r_eduyrs    r_stfdem
-------------+------------------------
```

```
    r_eduyrs |      1.0000
    r_stfdem |      0.0582      1.0000
-------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    r_eduyrs    r_stfdem
-------------+------------------------
    r_eduyrs |      1.0000
    r_stfdem |      0.0582      1.0000
-------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |  r_hinctnta    r_stfdem
-------------+------------------------
  r_hinctnta |      1.0000
    r_stfdem |      0.1760*     1.0000
-------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |  r_hinctnta    r_stfdem
-------------+------------------------
  r_hinctnta |      1.0000
    r_stfdem |      0.1760*     1.0000
-------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |  r_hinctnta    r_stfdem
-------------+------------------------
  r_hinctnta |      1.0000
    r_stfdem |      0.1760*     1.0000
-------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |         h_1    r_stfdem
-------------+------------------------
         h_1 |      1.0000
    r_stfdem |     -0.0234      1.0000
-------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |         h_1    r_stfdem
-------------+------------------------
         h_1 |      1.0000
    r_stfdem |     -0.0234      1.0000
-------------------------------------
* indicates p<0.010
```

```
Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |         h_1    r_stfdem
-------------+------------------------
         h_1 |      1.0000
    r_stfdem |     -0.0234      1.0000
-------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |         h_2    r_stfdem
-------------+------------------------
         h_2 |      1.0000
    r_stfdem |     -0.0613*     1.0000
-------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |         h_2    r_stfdem
-------------+------------------------
         h_2 |      1.0000
    r_stfdem |     -0.0613      1.0000
-------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |         h_2    r_stfdem
-------------+------------------------
         h_2 |      1.0000
    r_stfdem |     -0.0613      1.0000
-------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |         h_3    r_stfdem
-------------+------------------------
         h_3 |      1.0000
    r_stfdem |     -0.1195*     1.0000
-------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |         h_3    r_stfdem
-------------+------------------------
         h_3 |      1.0000
    r_stfdem |     -0.1195*     1.0000
-------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
```

Strata: <one>
PSU: <observations>

	h_3	r_stfdem
h_3	1.0000	
r_stfdem	-0.1195*	1.0000

* indicates p<0.001

Survey Correlation

pweight: pweight
Strata: <one>
PSU: <observations>

	h_4	r_stfdem
h_4	1.0000	
r_stfdem	0.0511*	1.0000

* indicates p<0.050

Survey Correlation

pweight: pweight
Strata: <one>
PSU: <observations>

	h_4	r_stfdem
h_4	1.0000	
r_stfdem	0.0511	1.0000

* indicates p<0.010

Survey Correlation

pweight: pweight
Strata: <one>
PSU: <observations>

	h_4	r_stfdem
h_4	1.0000	
r_stfdem	0.0511	1.0000

* indicates p<0.001

Survey Correlation

pweight: pweight
Strata: <one>
PSU: <observations>

	h_5	r_stfdem
h_5	1.0000	
r_stfdem	0.1215*	1.0000

* indicates p<0.050

Survey Correlation

pweight: pweight
Strata: <one>
PSU: <observations>

	h_5	r_stfdem
h_5	1.0000	
r_stfdem	0.1215*	1.0000

* indicates p<0.010

Survey Correlation

pweight: pweight
Strata: <one>
PSU: <observations>

```
             |         h_5    r_stfdem
-------------+------------------------
         h_5 |      1.0000
    r_stfdem |      0.1215*     1.0000
------------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |   r_sclmeet    r_stfdem
-------------+------------------------
   r_sclmeet |      1.0000
    r_stfdem |      0.0757*     1.0000
------------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |   r_sclmeet    r_stfdem
-------------+------------------------
   r_sclmeet |      1.0000
    r_stfdem |      0.0757*     1.0000
------------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |   r_sclmeet    r_stfdem
-------------+------------------------
   r_sclmeet |      1.0000
    r_stfdem |      0.0757      1.0000
------------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    r_rlgdgr    r_stfdem
-------------+------------------------
    r_rlgdgr |      1.0000
    r_stfdem |      0.0292      1.0000
------------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    r_rlgdgr    r_stfdem
-------------+------------------------
    r_rlgdgr |      1.0000
    r_stfdem |      0.0292      1.0000
------------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    r_rlgdgr    r_stfdem
-------------+------------------------
    r_rlgdgr |      1.0000
    r_stfdem |      0.0292      1.0000
```

```
-------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |living_w_part    r_stfdem
-------------+------------------------
living_w_part |      1.0000
    r_stfdem |     -0.0186      1.0000
-------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |living_w_part    r_stfdem
-------------+------------------------
living_w_part |      1.0000
    r_stfdem |     -0.0186      1.0000
-------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |living_w_part    r_stfdem
-------------+------------------------
living_w_part |      1.0000
    r_stfdem |     -0.0186      1.0000
-------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |   r_ppltrst    r_stfdem
-------------+------------------------
   r_ppltrst |      1.0000
    r_stfdem |      0.2514*     1.0000
-------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |   r_ppltrst    r_stfdem
-------------+------------------------
   r_ppltrst |      1.0000
    r_stfdem |      0.2514*     1.0000
-------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |   r_ppltrst    r_stfdem
-------------+------------------------
   r_ppltrst |      1.0000
    r_stfdem |      0.2514*     1.0000
-------------------------------------
* indicates p<0.001

Survey Correlation
```

```
pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |   r_pplfair    r_stfdem
-------------+------------------------
   r_pplfair |      1.0000
    r_stfdem |      0.2477*     1.0000
--------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |   r_pplfair    r_stfdem
-------------+------------------------
   r_pplfair |      1.0000
    r_stfdem |      0.2477*     1.0000
--------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |   r_pplfair    r_stfdem
-------------+------------------------
   r_pplfair |      1.0000
    r_stfdem |      0.2477*     1.0000
--------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    r_pplhlp    r_stfdem
-------------+------------------------
    r_pplhlp |      1.0000
    r_stfdem |      0.1675*     1.0000
--------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    r_pplhlp    r_stfdem
-------------+------------------------
    r_pplhlp |      1.0000
    r_stfdem |      0.1675*     1.0000
--------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    r_pplhlp    r_stfdem
-------------+------------------------
    r_pplhlp |      1.0000
    r_stfdem |      0.1675*     1.0000
--------------------------------------
* indicates p<0.001

. foreach var of varlist age15_27 age28_39 age40_54 age55_64 age65_up agea female r_eduyr r_hinct h_1 h_2
h_3 h_4 h_5 r_sclmeet r_rlgdgr living_w_part r_ppltrst r
> _pplfair r_pplhlp {
  2. corr_svy `var' r_happy [pw=pweight], pw star(.05)
  3. corr_svy `var' r_happy [pw=pweight], pw star(.01)
```

```
  4. corr_svy `var' r_happy [pw=pweight], pw star(.001)
  5. }

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age15_27     r_happy
-------------+------------------------
    age15_27 |      1.0000
     r_happy |      0.0979*     1.0000
--------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age15_27     r_happy
-------------+------------------------
    age15_27 |      1.0000
     r_happy |      0.0979*     1.0000
--------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age15_27     r_happy
-------------+------------------------
    age15_27 |      1.0000
     r_happy |      0.0979*     1.0000
--------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age28_39     r_happy
-------------+------------------------
    age28_39 |      1.0000
     r_happy |      0.0940*     1.0000
--------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age28_39     r_happy
-------------+------------------------
    age28_39 |      1.0000
     r_happy |      0.0940*     1.0000
--------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age28_39     r_happy
-------------+------------------------
    age28_39 |      1.0000
     r_happy |      0.0940*     1.0000
--------------------------------------
* indicates p<0.001

Survey Correlation
```

```
pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age40_54     r_happy
-------------+------------------------
    age40_54 |      1.0000
     r_happy |     -0.0327      1.0000
--------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age40_54     r_happy
-------------+------------------------
    age40_54 |      1.0000
     r_happy |     -0.0327      1.0000
--------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age40_54     r_happy
-------------+------------------------
    age40_54 |      1.0000
     r_happy |     -0.0327      1.0000
--------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age55_64     r_happy
-------------+------------------------
    age55_64 |      1.0000
     r_happy |     -0.0735*     1.0000
--------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age55_64     r_happy
-------------+------------------------
    age55_64 |      1.0000
     r_happy |     -0.0735*     1.0000
--------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age55_64     r_happy
-------------+------------------------
    age55_64 |      1.0000
     r_happy |     -0.0735      1.0000
--------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>
```

```
             |    age65_up     r_happy
-------------+------------------------
    age65_up |      1.0000
     r_happy |     -0.0929*     1.0000
---------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age65_up     r_happy
-------------+------------------------
    age65_up |      1.0000
     r_happy |     -0.0929*     1.0000
---------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    age65_up     r_happy
-------------+------------------------
    age65_up |      1.0000
     r_happy |     -0.0929*     1.0000
---------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |        agea     r_happy
-------------+------------------------
        agea |      1.0000
     r_happy |     -0.1554*     1.0000
---------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |        agea     r_happy
-------------+------------------------
        agea |      1.0000
     r_happy |     -0.1554*     1.0000
---------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |        agea     r_happy
-------------+------------------------
        agea |      1.0000
     r_happy |     -0.1554*     1.0000
---------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |      female     r_happy
-------------+------------------------
```

```
      female |      1.0000
     r_happy |      0.0102      1.0000
---------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |      female     r_happy
-------------+------------------------
      female |      1.0000
     r_happy |      0.0102      1.0000
---------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |      female     r_happy
-------------+------------------------
      female |      1.0000
     r_happy |      0.0102      1.0000
---------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    r_eduyrs     r_happy
-------------+------------------------
    r_eduyrs |      1.0000
     r_happy |      0.0909*     1.0000
---------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    r_eduyrs     r_happy
-------------+------------------------
    r_eduyrs |      1.0000
     r_happy |      0.0909*     1.0000
---------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    r_eduyrs     r_happy
-------------+------------------------
    r_eduyrs |      1.0000
     r_happy |      0.0909*     1.0000
---------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |  r_hinctnta     r_happy
-------------+------------------------
  r_hinctnta |      1.0000
     r_happy |      0.2644*     1.0000
---------------------------------------
* indicates p<0.050
```

```
Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |  r_hinctnta     r_happy
-------------+------------------------
  r_hinctnta |      1.0000
     r_happy |      0.2644*     1.0000
--------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |  r_hinctnta     r_happy
-------------+------------------------
  r_hinctnta |      1.0000
     r_happy |      0.2644*     1.0000
--------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |         h_1     r_happy
-------------+------------------------
         h_1 |      1.0000
     r_happy |     -0.1298*     1.0000
--------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |         h_1     r_happy
-------------+------------------------
         h_1 |      1.0000
     r_happy |     -0.1298*     1.0000
--------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |         h_1     r_happy
-------------+------------------------
         h_1 |      1.0000
     r_happy |     -0.1298      1.0000
--------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |         h_2     r_happy
-------------+------------------------
         h_2 |      1.0000
     r_happy |     -0.2120*     1.0000
--------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
```

```
Strata:   <one>
PSU:      <observations>


             |         h_2     r_happy
-------------+------------------------
         h_2 |      1.0000
     r_happy |     -0.2120*     1.0000
--------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |         h_2     r_happy
-------------+------------------------
         h_2 |      1.0000
     r_happy |     -0.2120*     1.0000
--------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |         h_3     r_happy
-------------+------------------------
         h_3 |      1.0000
     r_happy |     -0.1298*     1.0000
--------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |         h_3     r_happy
-------------+------------------------
         h_3 |      1.0000
     r_happy |     -0.1298*     1.0000
--------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |         h_3     r_happy
-------------+------------------------
         h_3 |      1.0000
     r_happy |     -0.1298*     1.0000
--------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |         h_4     r_happy
-------------+------------------------
         h_4 |      1.0000
     r_happy |      0.0986*     1.0000
--------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>
```

```
             |         h_4     r_happy
-------------+------------------------
         h_4 |      1.0000
     r_happy |      0.0986*     1.0000
-------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |         h_4     r_happy
-------------+------------------------
         h_4 |      1.0000
     r_happy |      0.0986*     1.0000
-------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |         h_5     r_happy
-------------+------------------------
         h_5 |      1.0000
     r_happy |      0.2181*     1.0000
-------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |         h_5     r_happy
-------------+------------------------
         h_5 |      1.0000
     r_happy |      0.2181*     1.0000
-------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |         h_5     r_happy
-------------+------------------------
         h_5 |      1.0000
     r_happy |      0.2181*     1.0000
-------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |   r_sclmeet     r_happy
-------------+------------------------
   r_sclmeet |      1.0000
     r_happy |      0.1779*     1.0000
-------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |   r_sclmeet     r_happy
-------------+------------------------
   r_sclmeet |      1.0000
     r_happy |      0.1779*     1.0000
```

```
-------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |   r_sclmeet     r_happy
-------------+------------------------
   r_sclmeet |      1.0000
     r_happy |      0.1779*     1.0000
-------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    r_rlgdgr     r_happy
-------------+------------------------
    r_rlgdgr |      1.0000
     r_happy |      0.1021*     1.0000
-------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    r_rlgdgr     r_happy
-------------+------------------------
    r_rlgdgr |      1.0000
     r_happy |      0.1021*     1.0000
-------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    r_rlgdgr     r_happy
-------------+------------------------
    r_rlgdgr |      1.0000
     r_happy |      0.1021*     1.0000
-------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |living_w_part     r_happy
-------------+------------------------
living_w_part |      1.0000
     r_happy |      0.1577*     1.0000
-------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |living_w_part     r_happy
-------------+------------------------
living_w_part |      1.0000
     r_happy |      0.1577*     1.0000
-------------------------------------
* indicates p<0.010

Survey Correlation
```

```
pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |living_w_part     r_happy
-------------+------------------------
living_w_part |      1.0000
     r_happy |      0.1577*     1.0000
--------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |   r_ppltrst     r_happy
-------------+------------------------
   r_ppltrst |      1.0000
     r_happy |      0.1748*     1.0000
--------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |   r_ppltrst     r_happy
-------------+------------------------
   r_ppltrst |      1.0000
     r_happy |      0.1748*     1.0000
--------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |   r_ppltrst     r_happy
-------------+------------------------
   r_ppltrst |      1.0000
     r_happy |      0.1748*     1.0000
--------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |   r_pplfair     r_happy
-------------+------------------------
   r_pplfair |      1.0000
     r_happy |      0.1553*     1.0000
--------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |   r_pplfair     r_happy
-------------+------------------------
   r_pplfair |      1.0000
     r_happy |      0.1553*     1.0000
--------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>
```

```
             |   r_pplfair     r_happy
-------------+------------------------
   r_pplfair |      1.0000
     r_happy |      0.1553*     1.0000
-------------------------------------
* indicates p<0.001

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    r_pplhlp     r_happy
-------------+------------------------
    r_pplhlp |      1.0000
     r_happy |      0.1282*     1.0000
-------------------------------------
* indicates p<0.050

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    r_pplhlp     r_happy
-------------+------------------------
    r_pplhlp |      1.0000
     r_happy |      0.1282*     1.0000
-------------------------------------
* indicates p<0.010

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |    r_pplhlp     r_happy
-------------+------------------------
    r_pplhlp |      1.0000
     r_happy |      0.1282*     1.0000
-------------------------------------
* indicates p<0.001

.
. ***CORRELATIONS BETWEEN DEPENDENT VARIABLES
. corr_svy r_stflife r_happy r_stfeco r_stfgov r_stfdem [pw=pweight], pw star(0.001)

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |   r_stflife     r_happy    r_stfeco    r_stfgov    r_stfdem
-------------+------------------------------------------------------------
   r_stflife |      1.0000
     r_happy |      0.6922*     1.0000
    r_stfeco |      0.3899*     0.3235*     1.0000
    r_stfgov |      0.2525*     0.2213*     0.6626*     1.0000
    r_stfdem |      0.3107*     0.2682*     0.5840*     0.6489*     1.0000
-------------------------------------------------------------------------
* indicates p<0.001

. corr_svy r_stflife r_happy r_stfeco r_stfgov r_stfdem [pw=pweight], pw star(0.01)

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |   r_stflife     r_happy    r_stfeco    r_stfgov    r_stfdem
-------------+------------------------------------------------------------
   r_stflife |      1.0000
     r_happy |      0.6922*     1.0000
    r_stfeco |      0.3899*     0.3235*     1.0000
    r_stfgov |      0.2525*     0.2213*     0.6626*     1.0000
    r_stfdem |      0.3107*     0.2682*     0.5840*     0.6489*     1.0000
```

```
------------------------------------------------------------------------------
* indicates p<0.010

. corr_svy r_stflife r_happy r_stfeco r_stfgov r_stfdem [pw=pweight], pw star(0.05)

Survey Correlation

pweight:  pweight
Strata:   <one>
PSU:      <observations>


             |   r_stflife     r_happy    r_stfeco    r_stfgov    r_stfdem
-------------+------------------------------------------------------------
   r_stflife |      1.0000
     r_happy |      0.6922*     1.0000
    r_stfeco |      0.3899*     0.3235*     1.0000
    r_stfgov |      0.2525*     0.2213*     0.6626*     1.0000
    r_stfdem |      0.3107*     0.2682*     0.5840*     0.6489*     1.0000
------------------------------------------------------------------------------
* indicates p<0.050

.
.
. svy: regress r_stfgov r_trstprl r_trstlgl r_trstplc r_trstplt r_trstprt r_trstep r_trstun r_tvtot r_tvpol
(running regress on estimation sample)

Survey: Linear regression

Number of strata   =         1                  Number of obs      =      1469
Number of PSUs     =      1469                  Population size    = 1456.2603
                                                 Design df          =      1468
                                                 F(   9,   1460)    =    100.03
                                                 Prob > F           =    0.0000
                                                 R-squared          =    0.3790

------------------------------------------------------------------------------
             |             Linearized
    r_stfgov |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
   r_trstprl |   .2870748   .0356486     8.05   0.000     .2171472    .3570024
   r_trstlgl |   .0587597   .0303514     1.94   0.053     -.000777    .1182965
   r_trstplc |  -.0181239   .0245281    -0.74   0.460    -.0662377      .02999
   r_trstplt |   .2466172   .0525694     4.69   0.000      .143498    .3497364
   r_trstprt |   .0419408   .0502665     0.83   0.404     -.056661    .1405427
    r_trstep |   .1516934   .0336612     4.51   0.000     .0856642    .2177225
    r_trstun |  -.0307131   .0311886    -0.98   0.325     -.091892    .0304658
     r_tvtot |   .0340693   .0257933     1.32   0.187    -.0165264    .0846649
     r_tvpol |   .0001314   .0035428     0.04   0.970     -.006818    .0070809
       _cons |   1.178252   .1623881     7.26   0.000      .859715     1.49679
------------------------------------------------------------------------------

.
. *_____________________________________________________________________________________________________________
. *_____________________________________________________________________________________________________________
.
. ***LIFE SATISFACTION, PERCENTILE INCOME USED, START***
. ***slowly adding in sections, regression
. ***Regressions
. svy: regress r_stflife age28_39 age40_54 age55_64 age65_up female r_eduyr
(running regress on estimation sample)

Survey: Linear regression

Number of strata   =         1                  Number of obs      =      1869
Number of PSUs     =      1869                  Population size    = 1868.8928
                                                 Design df          =      1868
                                                 F(   6,   1863)    =      7.33
                                                 Prob > F           =    0.0000
                                                 R-squared          =    0.0207

------------------------------------------------------------------------------
             |             Linearized
   r_stflife |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    age28_39 |  -.3214704   .1484834    -2.17   0.031    -.6126812   -.0302597
    age40_54 |   -.794743   .1557023    -5.10   0.000    -1.100112   -.4893742
    age55_64 |  -.8005654   .1617755    -4.95   0.000    -1.117845   -.4832856
    age65_up |   -.470797   .1723981    -2.73   0.006    -.8089101   -.1326839
      female |  -.0747991    .105783    -0.71   0.480    -.2822644    .1326663
    r_eduyrs |   .0281587   .0165053     1.71   0.088    -.0042121    .0605294
       _cons |   7.281746   .2387096    30.50   0.000      6.81358    7.749912
------------------------------------------------------------------------------

. estimates store m1, title(demo)

. svy: regress r_stflife age28_39 age40_54 age55_64 age65_up female r_eduyr r_hinct
(running regress on estimation sample)
```

```
Survey: Linear regression

Number of strata   =         1                  Number of obs      =      1475
Number of PSUs     =      1475                  Population size    = 1477.9367
                                                 Design df          =      1474
                                                 F(   7,   1468)    =     14.81
                                                 Prob > F           =    0.0000
                                                 R-squared          =    0.0716

------------------------------------------------------------------------------
             |             Linearized
  r_stflife |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
------------+-----------------------------------------------------------------
    age28_39 |  -.1764985   .1740242    -1.01   0.311    -.5178599    .1648629
    age40_54 |  -.6942858   .1722814    -4.03   0.000    -1.032229   -.3563429
    age55_64 |   -.586815   .1833956    -3.20   0.001    -.9465593   -.2270708
    age65_up |  -.3249633   .2004657    -1.62   0.105    -.7181916    .0682651
      female |   .0155639   .1175932     0.13   0.895    -.2151038    .2462317
    r_eduyrs |  -.0263335   .0205946    -1.28   0.201    -.0667313    .0140642
  r_hinctnta |   .2199631    .026013     8.46   0.000     .1689367    .2709896
       _cons |   6.581635   .2758643    23.86   0.000     6.040506    7.122763
------------------------------------------------------------------------------

. estimates store m2, title(inc)

. svy: regress r_stflife age28_39 age40_54 age55_64 age65_up female r_eduyr r_hinct h_2 h_3 h_4 h_5
(running regress on estimation sample)

Survey: Linear regression

Number of strata   =         1                  Number of obs      =      1475
Number of PSUs     =      1475                  Population size    = 1477.9367
                                                 Design df          =      1474
                                                 F(  11,   1464)    =     17.58
                                                 Prob > F           =    0.0000
                                                 R-squared          =    0.1379

------------------------------------------------------------------------------
             |             Linearized
  r_stflife |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
------------+-----------------------------------------------------------------
    age28_39 |   .0598223    .170867     0.35   0.726     -.275346    .3949907
    age40_54 |  -.2807224   .1757939    -1.60   0.111    -.6255553    .0641105
    age55_64 |   .0421418   .1922564     0.22   0.827    -.3349835     .419267
    age65_up |   .5873016    .213956     2.74   0.006      .167611    1.006992
      female |    .070474   .1131797     0.62   0.534    -.1515364    .2924844
    r_eduyrs |  -.0367467    .019838    -1.85   0.064    -.0756604    .0021669
  r_hinctnta |   .1802291   .0254076     7.09   0.000     .1303901     .230068
         h_2 |   .9565179    .678906     1.41   0.159     -.375207    2.288243
         h_3 |   1.994081   .6529976     3.05   0.002     .7131775    3.274985
         h_4 |   2.610332   .6554408     3.98   0.000     1.324636    3.896028
         h_5 |   3.298653   .6675854     4.94   0.000     1.989134    4.608172
       _cons |   4.089969   .7199712     5.68   0.000     2.677691    5.502246
------------------------------------------------------------------------------

. estimates store m3, title(health)

. svy: regress r_stflife age28_39 age40_54 age55_64 age65_up female r_eduyr r_hinct h_2 h_3 h_4 h_5
living_w_part r_sclmeet r_rlgdgr
(running regress on estimation sample)

Survey: Linear regression

Number of strata   =         1                  Number of obs      =      1458
Number of PSUs     =      1458                  Population size    =   1459.63
                                                 Design df          =      1457
                                                 F(  14,   1444)    =     18.84
                                                 Prob > F           =    0.0000
                                                 R-squared          =    0.1819

------------------------------------------------------------------------------
             |             Linearized
  r_stflife |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
------------+-----------------------------------------------------------------
    age28_39 |   .0048191   .1839095     0.03   0.979    -.3559366    .3655747
    age40_54 |  -.3496768    .195732    -1.79   0.074    -.7336234    .0342697
    age55_64 |  -.0999612   .2032609    -0.49   0.623    -.4986765     .298754
    age65_up |   .5195017    .227664     2.28   0.023     .0729175    .9660859
      female |   -.026218   .1117442    -0.23   0.815    -.2454147    .1929787
    r_eduyrs |  -.0232501   .0197191    -1.18   0.239    -.0619311    .0154308
  r_hinctnta |    .178598   .0252644     7.07   0.000     .1290396    .2281564
         h_2 |   .9913132   .6575273     1.51   0.132    -.2984881    2.281114
         h_3 |   1.903207    .631154     3.02   0.003     .6651395    3.141275
         h_4 |   2.480795    .635434     3.90   0.000     1.234332    3.727259
         h_5 |   3.102701   .6480827     4.79   0.000     1.831426    4.373975
living_w_part |   .3987438   .1357353     2.94   0.003     .1324863    .6650012
  r_sclmeet |   .1705443   .0421614     4.05   0.000     .0878407    .2532479
```

```
     r_rlgdgr |   .1450552   .0255361     5.68   0.000     .0949637    .1951468
        _cons |   2.313516   .7310135     3.16   0.002     .8795644    3.747467
------------------------------------------------------------------------------

. estimates store m4, title(social)

. svy: regress r_stflife age28_39 age40_54 age55_64 age65_up female r_eduyr r_hinct h_2 h_3 h_4 h_5
living_w_part r_sclmeet r_rlgdgr r_ppltrst r_pplfair r_pplhlp
(running regress on estimation sample)

Survey: Linear regression

Number of strata   =         1                  Number of obs      =      1425
Number of PSUs     =      1425                  Population size    =  1424.698
                                                 Design df          =      1424
                                                 F(  17,   1408)    =     17.36
                                                 Prob > F           =    0.0000
                                                 R-squared          =    0.2018

------------------------------------------------------------------------------
             |             Linearized
   r_stflife |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
     age28_39 |   .0562836   .1845305     0.31   0.760    -.3056972    .4182645
     age40_54 |   -.348451   .1959582    -1.78   0.076    -.7328489    .0359468
     age55_64 |  -.1509667   .2022981    -0.75   0.456    -.5478009    .2458676
     age65_up |   .4433897   .2256649     1.96   0.050     .0007183     .886061
       female |  -.0543538    .112329    -0.48   0.629    -.2747019    .1659943
     r_eduyrs |  -.0270931   .0199498    -1.36   0.175    -.0662274    .0120411
   r_hinctnta |   .1594643   .0253793     6.28   0.000     .1096794    .2092492
          h_2 |   .7403647   .6649319     1.11   0.266    -.5639866    2.044716
          h_3 |   1.611883   .6441637     2.50   0.012      .348271    2.875494
          h_4 |   2.129531   .6475393     3.29   0.001     .8592978    3.399764
          h_5 |   2.713017   .6613535     4.10   0.000     1.415686    4.010349
living_w_part |   .4350537   .1355717     3.21   0.001      .169112    .7009953
    r_sclmeet |   .1588281   .0425703     3.73   0.000     .0753208    .2423354
     r_rlgdgr |   .1416652   .0254784     5.56   0.000     .0916859    .1916444
    r_ppltrst |   .0651546   .0272736     2.39   0.017     .0116539    .1186553
    r_pplfair |   .1006361   .0296007     3.40   0.001     .0425705    .1587018
     r_pplhlp |  -.0038248   .0276711    -0.14   0.890    -.0581053    .0504558
        _cons |   2.114134   .7400582     2.86   0.004     .6624126    3.565855
------------------------------------------------------------------------------

. estimates store m5, title(trust)

.
. estout m1 m2 m3 m4 m5, cells(b(star fmt(3)) se(par fmt(2)))   ///
>    legend label varlabels(_cons constant)               ///
>    stats(r2 df_r bic, fmt(3 0 1) label(R-sqr dfres BIC))

------------------------------------------------------------------------------------------------------
                            demo             inc          health          social           trust
                            b/se            b/se            b/se            b/se            b/se
------------------------------------------------------------------------------------------------------
age28_39                  -0.321*         -0.176           0.060           0.005           0.056
                          (0.15)          (0.17)          (0.17)          (0.18)          (0.18)
age40_54                  -0.795***       -0.694***       -0.281          -0.350          -0.348
                          (0.16)          (0.17)          (0.18)          (0.20)          (0.20)
age55_64                  -0.801***       -0.587**         0.042          -0.100          -0.151
                          (0.16)          (0.18)          (0.19)          (0.20)          (0.20)
age65_up                  -0.471**        -0.325           0.587**         0.520*          0.443*
                          (0.17)          (0.20)          (0.21)          (0.23)          (0.23)
female                    -0.075           0.016           0.070          -0.026          -0.054
                          (0.11)          (0.12)          (0.11)          (0.11)          (0.11)
r_eduyrs                   0.028          -0.026          -0.037          -0.023          -0.027
                          (0.02)          (0.02)          (0.02)          (0.02)          (0.02)
r_hinctnta                                 0.220***        0.180***        0.179***        0.159***
                                           (0.03)          (0.03)          (0.03)          (0.03)
rr_health==  ..0000                                        0.957           0.991           0.740
                                                           (0.68)          (0.66)          (0.66)
rr_health==  ..0000                                        1.994**         1.903**         1.612*
                                                           (0.65)          (0.63)          (0.64)
rr_health==  ..0000                                        2.610***        2.481***        2.130**
                                                           (0.66)          (0.64)          (0.65)
rr_health==  ..0000                                        3.299***        3.103***        2.713***
                                                           (0.67)          (0.65)          (0.66)
living_w_part                                                              0.399**         0.435**
                                                                           (0.14)          (0.14)
r_sclmeet                                                                  0.171***        0.159***
                                                                           (0.04)          (0.04)
r_rlgdgr                                                                   0.145***        0.142***
                                                                           (0.03)          (0.03)
r_ppltrst                                                                                  0.065*
                                                                                           (0.03)
r_pplfair                                                                                  0.101***
                                                                                           (0.03)
r_pplhlp                                                                                  -0.004
                                                                                           (0.03)
```

constant	7.282***	6.582***	4.090***	2.314**	2.114**
	(0.24)	(0.28)	(0.72)	(0.73)	(0.74)
R-sqr	0.021	0.072	0.138	0.182	0.202
dfres	1868	1474	1474	1457	1424
BIC	.	.	.	.	.

* p<0.05, ** p<0.01, *** p<0.001

```
.
. *testing normal distribution of residuals
. svy: regress r_stflife age28_39 age40_54 age55_64 age65_up female r_eduyr r_hinct h_2 h_3 h_4 h_5
living_w_part r_sclmeet r_rlgdgr r_ppltrst r_pplfair r_pplhlp
(running regress on estimation sample)

Survey: Linear regression

Number of strata   =         1                  Number of obs      =      1425
Number of PSUs     =      1425                  Population size    =  1424.698
                                                 Design df          =      1424
                                                 F(  17,   1408)    =     17.36
                                                 Prob > F           =    0.0000
                                                 R-squared          =    0.2018

------------------------------------------------------------------------------
             |             Linearized
    r_stflife |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
--------------+---------------------------------------------------------------
     age28_39 |   .0562836   .1845305     0.31   0.760    -.3056972    .4182645
     age40_54 |   -.348451   .1959582    -1.78   0.076    -.7328489    .0359468
     age55_64 |  -.1509667   .2022981    -0.75   0.456    -.5478009    .2458676
     age65_up |   .4433897   .2256649     1.96   0.050     .0007183     .886061
       female |  -.0543538    .112329    -0.48   0.629    -.2747019    .1659943
     r_eduyrs |  -.0270931   .0199498    -1.36   0.175    -.0662274    .0120411
   r_hinctnta |   .1594643   .0253793     6.28   0.000     .1096794    .2092492
          h_2 |   .7403647   .6649319     1.11   0.266    -.5639866    2.044716
          h_3 |   1.611883   .6441637     2.50   0.012      .348271    2.875494
          h_4 |   2.129531   .6475393     3.29   0.001     .8592978    3.399764
          h_5 |   2.713017   .6613535     4.10   0.000     1.415686    4.010349
living_w_part |   .4350537   .1355717     3.21   0.001      .169112    .7009953
    r_sclmeet |   .1588281   .0425703     3.73   0.000     .0753208    .2423354
     r_rlgdgr |   .1416652   .0254784     5.56   0.000     .0916859    .1916444
    r_ppltrst |   .0651546   .0272736     2.39   0.017     .0116539    .1186553
    r_pplfair |   .1006361   .0296007     3.40   0.001     .0425705    .1587018
     r_pplhlp |  -.0038248   .0276711    -0.14   0.890    -.0581053    .0504558
        _cons |   2.114134   .7400582     2.86   0.004     .6624126    3.565855
------------------------------------------------------------------------------

. predict liferes, r
(473 missing values generated)

. predict lifehat
(option xb assumed; fitted values)
(468 missing values generated)

. scatter lifehat r_stflife

.
. pnorm liferes

. sktest liferes

                    Skewness/Kurtosis tests for Normality
                                                       ------- joint ------
    Variable |    Obs   Pr(Skewness)   Pr(Kurtosis)  adj chi2(2)    Prob>chi2
-------------+-------------------------------------------------------------
     liferes |   1.4e+03   0.0000         0.0001        73.47         0.0000

. kdensity liferes, norm

.
. **they are NOT... instead of transforming anything I will try restricting the sample
. svy, subpop(female): regress r_stflife age28_39 age40_54 age55_64 age65_up r_eduyr r_hinct h_2 h_3 h_4
h_5 living_w_part r_sclmeet r_rlgdgr r_ppltrst r_pplfair
> r_pplhlp
(running regress on estimation sample)

Survey: Linear regression

Number of strata   =         1                  Number of obs      =      1646
Number of PSUs     =      1646                  Population size    = 1642.3475
                                                 Subpop. no. of obs =       737
                                                 Subpop. size       = 752.65885
                                                 Design df          =      1645
                                                 F(  16,   1630)    =     10.68
                                                 Prob > F           =    0.0000
                                                 R-squared          =    0.2072
```

```
------------------------------------------------------------------------------
             |             Linearized
    r_stflife |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
--------------+---------------------------------------------------------------
     age28_39 |  -.3227979   .2586405    -1.25   0.212    -.8300973    .1845016
     age40_54 |   -.498349   .2573512    -1.94   0.053    -1.003119    .0064215
     age55_64 |  -.1657735   .2529929    -0.66   0.512    -.6619956    .3304486
     age65_up |   .1884836   .2976557     0.63   0.527    -.3953404    .7723076
     r_eduyrs |  -.0300096   .0270514    -1.11   0.267    -.0830685    .0230492
   r_hinctnta |   .1574863   .0346317     4.55   0.000     .0895596    .2254131
          h_2 |   .8056996    .639248     1.26   0.208    -.4481259    2.059525
          h_3 |   1.445796   .6131123     2.36   0.018     .2432333    2.648359
          h_4 |   2.047983   .6100831     3.36   0.001     .8513618    3.244605
          h_5 |   2.777137   .6278295     4.42   0.000     1.545707    4.008566
living_w_part |   .4116368   .1778099     2.32   0.021     .0628793    .7603943
    r_sclmeet |   .1246364   .0573518     2.17   0.030     .0121462    .2371266
     r_rlgdgr |   .1436033   .0381963     3.76   0.000     .0686847    .2185219
    r_ppltrst |   .0797931   .0364687     2.19   0.029     .0082631     .151323
    r_pplfair |   .0914304   .0401924     2.27   0.023     .0125968    .1702641
     r_pplhlp |  -.0041636   .0381654    -0.11   0.913    -.0790214    .0706943
        _cons |   2.470454   .7952399     3.11   0.002     .9106645    4.030243
------------------------------------------------------------------------------

. predict f_satisfresid, r
(473 missing values generated)

. sktest f_satisfresid

                    Skewness/Kurtosis tests for Normality
                                                       ------- joint ------
    Variable |    Obs   Pr(Skewness)   Pr(Kurtosis)  adj chi2(2)    Prob>chi2
-------------+------------------------------------------------------------------
f_satisfre~d |   1.4e+03   0.0000         0.0002        70.25         0.0000

. pnorm f_satisfresid

.
. *still no good.
.
. linktest
(running regress on estimation sample)

Survey: Linear regression

Number of strata   =         1                  Number of obs      =      1646
Number of PSUs     =      1646                  Population size    = 1642.3475
                                                 Subpop. no. of obs =       737
                                                 Subpop. size       = 752.65885
                                                 Design df          =      1645
                                                 F(   2,   1644)    =     85.65
                                                 Prob > F           =    0.0000
                                                 R-squared          =    0.2129

------------------------------------------------------------------------------
             |             Linearized
   r_stflife |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+---------------------------------------------------------------
        _hat |   2.519224   .7675699     3.28   0.001     1.013707    4.024742
      _hatsq |  -.1120573   .0541045    -2.07   0.039    -.2181782   -.0059364
       _cons |  -5.026642   2.695449    -1.86   0.062    -10.31352    .2602313
------------------------------------------------------------------------------

. **testing for joint significance
. *heteroskedasticity not tested in survey data? http://www.stata.com/statalist/archive/2011-
03/msg01095.html
. test age28_39 age40_54 age55_64 age65_up

Adjusted Wald test

 ( 1)  age28_39 = 0
 ( 2)  age40_54 = 0
 ( 3)  age55_64 = 0
 ( 4)  age65_up = 0

       F(  4,  1642) =    1.91
            Prob > F =    0.1059

. test h_2 h_3 h_4 h_5

Adjusted Wald test

 ( 1)  h_2 = 0
 ( 2)  h_3 = 0
 ( 3)  h_4 = 0
 ( 4)  h_5 = 0

       F(  4,  1642) =   12.76
            Prob > F =    0.0000
```

```
. test r_ppltrst r_pplfair r_pplhlp

Adjusted Wald test

 ( 1)  r_ppltrst = 0
 ( 2)  r_pplfair = 0
 ( 3)  r_pplhlp = 0

       F(  3,  1643) =    5.19
            Prob > F =    0.0014

.
. svy: regress r_stflife age28_39 age40_54 age55_64 age65_up female r_eduyr r_hinct h_2 h_3 h_4 h_5
living_w_part r_sclmeet r_rlgdgr r_ppltrst r_pplfair r_pplhlp
(running regress on estimation sample)

Survey: Linear regression

Number of strata   =         1                  Number of obs      =      1425
Number of PSUs     =      1425                  Population size    =  1424.698
                                                 Design df          =      1424
                                                 F(  17,   1408)    =     17.36
                                                 Prob > F           =    0.0000
                                                 R-squared          =    0.2018

------------------------------------------------------------------------------
             |             Linearized
    r_stflife |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
     age28_39 |   .0562836   .1845305     0.31   0.760    -.3056972    .4182645
     age40_54 |   -.348451   .1959582    -1.78   0.076    -.7328489    .0359468
     age55_64 |  -.1509667   .2022981    -0.75   0.456    -.5478009    .2458676
     age65_up |   .4433897   .2256649     1.96   0.050     .0007183     .886061
       female |  -.0543538    .112329    -0.48   0.629    -.2747019    .1659943
     r_eduyrs |  -.0270931   .0199498    -1.36   0.175    -.0662274    .0120411
   r_hinctnta |   .1594643   .0253793     6.28   0.000     .1096794    .2092492
          h_2 |   .7403647   .6649319     1.11   0.266    -.5639866    2.044716
          h_3 |   1.611883   .6441637     2.50   0.012      .348271    2.875494
          h_4 |   2.129531   .6475393     3.29   0.001     .8592978    3.399764
          h_5 |   2.713017   .6613535     4.10   0.000     1.415686    4.010349
living_w_part |   .4350537   .1355717     3.21   0.001      .169112    .7009953
    r_sclmeet |   .1588281   .0425703     3.73   0.000     .0753208    .2423354
     r_rlgdgr |   .1416652   .0254784     5.56   0.000     .0916859    .1916444
    r_ppltrst |   .0651546   .0272736     2.39   0.017     .0116539    .1186553
    r_pplfair |   .1006361   .0296007     3.40   0.001     .0425705    .1587018
     r_pplhlp |  -.0038248   .0276711    -0.14   0.890    -.0581053    .0504558
        _cons |   2.114134   .7400582     2.86   0.004     .6624126    3.565855
------------------------------------------------------------------------------

. test _b[r_ppltrst]=_b[r_pplfair]

Adjusted Wald test

 ( 1)  r_ppltrst - r_pplfair = 0

       F(  1,  1424) =    0.62
            Prob > F =    0.4310

. test _b[r_pplhlp]=_b[r_pplfair]

Adjusted Wald test

 ( 1)  - r_pplfair + r_pplhlp = 0

       F(  1,  1424) =    5.20
            Prob > F =    0.0227

.
.
. ***LIFE SATISFACTION, PERCENTILE INCOME USED, OVER***
.
. *_____________________________________________________________________________________________________________
. *_____________________________________________________________________________________________________________
.
. ***HAPPINESS, SPLIT EDU AND PERCENTILE INCOME USED, START***
. svy: regress r_happy age28_39 age40_54 age55_64 age65_up female r_eduyr
(running regress on estimation sample)

Survey: Linear regression

Number of strata   =         1                  Number of obs      =      1860
Number of PSUs     =      1860                  Population size    = 1859.7169
                                                 Design df          =      1859
                                                 F(   6,   1854)    =      9.45
                                                 Prob > F           =    0.0000
                                                 R-squared          =    0.0289
```

```
------------------------------------------------------------------------------
             |             Linearized
     r_happy |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    age28_39 |  -.0482807   .1350605    -0.36   0.721    -.3131669    .2166054
    age40_54 |  -.4830881    .137146    -3.52   0.000    -.7520645   -.2141117
    age55_64 |  -.6753869   .1451476    -4.65   0.000    -.9600564   -.3907175
    age65_up |   -.673222   .1615668    -4.17   0.000    -.9900934   -.3563506
      female |   .0853611    .093709     0.91   0.362    -.0984247    .2691469
    r_eduyrs |   .0309093   .0148937     2.08   0.038     .0016993    .0601194
       _cons |   7.273227   .2142221    33.95   0.000     6.853085    7.693368
------------------------------------------------------------------------------

. estimates store m1, title(demo)

. svy: regress r_happy age28_39 age40_54 age55_64 age65_up female r_eduyr r_hinct
(running regress on estimation sample)

Survey: Linear regression

Number of strata   =         1                  Number of obs      =      1467
Number of PSUs     =      1467                  Population size    = 1469.7132
                                                 Design df          =      1466
                                                 F(   7,   1460)    =     18.18
                                                 Prob > F           =    0.0000
                                                 R-squared          =    0.0832

------------------------------------------------------------------------------
             |             Linearized
     r_happy |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    age28_39 |   .0387668   .1589665     0.24   0.807    -.2730593    .3505929
    age40_54 |  -.3765482   .1553814    -2.42   0.015    -.6813417   -.0717546
    age55_64 |  -.5087228   .1668529    -3.05   0.002    -.8360187   -.1814269
    age65_up |  -.5414461   .1867542    -2.90   0.004    -.9077801   -.1751122
      female |   .1223929    .103977     1.18   0.239    -.0815667    .3263525
    r_eduyrs |  -.0231564   .0182341    -1.27   0.204    -.0589242    .0126113
  r_hinctnta |   .1984586   .0216759     9.16   0.000     .1559395    .2409777
       _cons |   6.764769   .2519083    26.85   0.000      6.27063    7.258908
------------------------------------------------------------------------------

. estimates store m2, title(inc)

. svy: regress r_happy age28_39 age40_54 age55_64 age65_up female r_eduyr r_hinct h_2 h_3 h_4 h_5
(running regress on estimation sample)

Survey: Linear regression

Number of strata   =         1                  Number of obs      =      1467
Number of PSUs     =      1467                  Population size    = 1469.7132
                                                 Design df          =      1466
                                                 F(  11,   1456)    =     22.30
                                                 Prob > F           =    0.0000
                                                 R-squared          =    0.1569

------------------------------------------------------------------------------
             |             Linearized
     r_happy |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    age28_39 |   .2717134   .1541715     1.76   0.078    -.0307069    .5741337
    age40_54 |   .0069042   .1562149     0.04   0.965    -.2995243    .3133327
    age55_64 |   .0703106   .1724338     0.41   0.684    -.2679328    .4085539
    age65_up |   .3050406   .1946547     1.57   0.117    -.0767908     .686872
      female |   .1768486   .1006134     1.76   0.079    -.0205129    .3742101
    r_eduyrs |   -.033365    .017931    -1.86   0.063    -.0685381    .0018081
  r_hinctnta |   .1612094   .0213602     7.55   0.000     .1193096    .2031093
         h_2 |   .7563298   .6285818     1.20   0.229    -.4766858    1.989345
         h_3 |   1.836225   .5942553     3.09   0.002     .6705431    3.001906
         h_4 |   2.295081   .5966234     3.85   0.000     1.124754    3.465407
         h_5 |   3.044965   .6034561     5.05   0.000     1.861236    4.228695
       _cons |   4.534215   .6437824     7.04   0.000     3.271382    5.797048
------------------------------------------------------------------------------

. estimates store m3, title(health)

. svy: regress r_happy age28_39 age40_54 age55_64 age65_up female r_eduyr r_hinct h_2 h_3 h_4 h_5
living_w_part r_sclmeet r_rlgdgr
(running regress on estimation sample)

Survey: Linear regression

Number of strata   =         1                  Number of obs      =      1449
Number of PSUs     =      1449                  Population size    = 1449.6124
                                                 Design df          =      1448
                                                 F(  14,   1435)    =     25.69
                                                 Prob > F           =    0.0000
                                                 R-squared          =    0.2128
```

```
------------------------------------------------------------------------------
             |             Linearized
     r_happy |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    age28_39 |   .0818331   .1645079     0.50   0.619    -.2408661    .4045324
    age40_54 |  -.1929347   .1734049    -1.11   0.266    -.5330864     .147217
    age55_64 |  -.1653691   .1839977    -0.90   0.369    -.5262996    .1955614
    age65_up |   .1723118   .2058846     0.84   0.403    -.2315521    .5761757
      female |   .1407563   .0980426     1.44   0.151    -.0515644     .333077
    r_eduyrs |  -.0245339   .0177297    -1.38   0.167    -.0593126    .0102448
  r_hinctnta |   .1459508   .0221806     6.58   0.000     .1024412    .1894603
         h_2 |   .6826723   .6145662     1.11   0.267    -.5228631    1.888208
         h_3 |   1.682017   .5809162     2.90   0.004     .5424892    2.821544
         h_4 |    2.09706   .5836206     3.59   0.000      .952228    3.241893
         h_5 |   2.795673   .5908166     4.73   0.000     1.636725    3.954621
living_w_part |   .6767954   .1206306     5.61   0.000      .440166    .9134248
   r_sclmeet |   .1771568   .0361076     4.91   0.000      .106328    .2479856
    r_rlgdgr |   .1060429   .0213275     4.97   0.000     .0642067    .1478791
       _cons |   3.056635   .6562614     4.66   0.000      1.76931     4.34396
------------------------------------------------------------------------------

. estimates store m4, title(social)

. svy: regress r_happy age28_39 age40_54 age55_64 age65_up female r_eduyr r_hinct h_2 h_3 h_4 h_5
living_w_part r_sclmeet r_rlgdgr r_ppltrst r_pplfair r_pplhlp
(running regress on estimation sample)

Survey: Linear regression

Number of strata   =         1                  Number of obs      =      1417
Number of PSUs     =      1417                  Population size    =  1415.623
                                                 Design df          =      1416
                                                 F(  17,   1400)    =     22.70
                                                 Prob > F           =    0.0000
                                                 R-squared          =    0.2325

------------------------------------------------------------------------------
             |             Linearized
     r_happy |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    age28_39 |   .1281714   .1639287     0.78   0.434    -.1933979    .4497406
    age40_54 |  -.1699839   .1723309    -0.99   0.324    -.5080352    .1680673
    age55_64 |  -.1822307    .182178    -1.00   0.317    -.5395985    .1751371
    age65_up |   .1001406   .2014595     0.50   0.619    -.2950505    .4953317
      female |   .1148931   .0977332     1.18   0.240    -.0768243    .3066105
    r_eduyrs |  -.0320005     .01785    -1.79   0.073    -.0670157    .0030147
  r_hinctnta |   .1354168   .0224241     6.04   0.000     .0914289    .1794048
         h_2 |   .4653193   .6344878     0.73   0.463    -.7793178    1.709956
         h_3 |   1.419945    .604102     2.35   0.019     .2349135    2.604976
         h_4 |   1.772347   .6065422     2.92   0.004     .5825294    2.962165
         h_5 |   2.452602   .6140911     3.99   0.000     1.247976    3.657228
living_w_part |   .7420243   .1200556     6.18   0.000     .5065184    .9775302
   r_sclmeet |    .169867   .0362443     4.69   0.000     .0987687    .2409653
    r_rlgdgr |   .1055615   .0210698     5.01   0.000     .0642301     .146893
   r_ppltrst |   .0575403    .024579     2.34   0.019     .0093251    .1057555
   r_pplfair |   .0524336   .0263722     1.99   0.047     .0007007    .1041664
    r_pplhlp |   .0325361   .0246398     1.32   0.187    -.0157985    .0808706
       _cons |   2.883864   .6707221     4.30   0.000     1.568148    4.199579
------------------------------------------------------------------------------

. estimates store m5, title(trust)

.
. estout m1 m2 m3 m4 m5, cells(b(star fmt(3)) se(par fmt(2)))   ///
>    legend label varlabels(_cons constant)              ///
>    stats(r2 df_r bic, fmt(3 0 1) label(R-sqr dfres BIC))

------------------------------------------------------------------------------------------------------------
                            demo            inc         health         social          trust
                            b/se            b/se            b/se            b/se            b/se
------------------------------------------------------------------------------------------------------------
age28_39                  -0.048           0.039           0.272           0.082           0.128
                          (0.14)          (0.16)          (0.15)          (0.16)          (0.16)
age40_54                  -0.483***       -0.377*          0.007          -0.193          -0.170
                          (0.14)          (0.16)          (0.16)          (0.17)          (0.17)
age55_64                  -0.675***       -0.509**         0.070          -0.165          -0.182
                          (0.15)          (0.17)          (0.17)          (0.18)          (0.18)
age65_up                  -0.673***       -0.541**         0.305           0.172           0.100
                          (0.16)          (0.19)          (0.19)          (0.21)          (0.20)
female                    0.085           0.122           0.177           0.141           0.115
                          (0.09)          (0.10)          (0.10)          (0.10)          (0.10)
r_eduyrs                  0.031*          -0.023          -0.033          -0.025          -0.032
                          (0.01)          (0.02)          (0.02)          (0.02)          (0.02)
r_hinctnta                                0.198***        0.161***        0.146***        0.135***
                                          (0.02)          (0.02)          (0.02)          (0.02)
rr_health==  ..0000                                       0.756           0.683           0.465
                                                          (0.63)          (0.61)          (0.63)
rr_health==  ..0000                                       1.836**         1.682**         1.420*
```

			(0.59)	(0.58)	(0.60)
rr_health== ..0000			2.295***	2.097***	1.772**
			(0.60)	(0.58)	(0.61)
rr_health== ..0000			3.045***	2.796***	2.453***
			(0.60)	(0.59)	(0.61)
living_w_part				0.677***	0.742***
				(0.12)	(0.12)
r_sclmeet				0.177***	0.170***
				(0.04)	(0.04)
r_rlgdgr				0.106***	0.106***
				(0.02)	(0.02)
r_ppltrst					0.058*
					(0.02)
r_pplfair					0.052*
					(0.03)
r_pplhlp					0.033
					(0.02)
constant	7.273***	6.765***	4.534***	3.057***	2.884***
	(0.21)	(0.25)	(0.64)	(0.66)	(0.67)
R-sqr	0.029	0.083	0.157	0.213	0.232
dfres	1859	1466	1466	1448	1416
BIC	.	.	.	.	.

* p<0.05, ** p<0.01, *** p<0.001

```
.
. *testing normal distribution of residuals
. svy: regress r_happy age28_39 age40_54 age55_64 age65_up female r_eduyr r_hinct h_2 h_3 h_4 h_5
living_w_part r_sclmeet r_rlgdgr r_ppltrst r_pplfair r_pplhlp
(running regress on estimation sample)

Survey: Linear regression

Number of strata   =         1                  Number of obs      =      1417
Number of PSUs     =      1417                  Population size    =  1415.623
                                                 Design df          =      1416
                                                 F(  17,   1400)    =     22.70
                                                 Prob > F           =    0.0000
                                                 R-squared          =    0.2325

------------------------------------------------------------------------------
             |             Linearized
     r_happy |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    age28_39 |   .1281714   .1639287     0.78   0.434    -.1933979    .4497406
    age40_54 |  -.1699839   .1723309    -0.99   0.324    -.5080352    .1680673
    age55_64 |  -.1822307    .182178    -1.00   0.317    -.5395985    .1751371
    age65_up |   .1001406   .2014595     0.50   0.619    -.2950505    .4953317
      female |   .1148931   .0977332     1.18   0.240    -.0768243    .3066105
    r_eduyrs |  -.0320005     .01785    -1.79   0.073    -.0670157    .0030147
  r_hinctnta |   .1354168   .0224241     6.04   0.000     .0914289    .1794048
         h_2 |   .4653193   .6344878     0.73   0.463    -.7793178    1.709956
         h_3 |   1.419945    .604102     2.35   0.019     .2349135    2.604976
         h_4 |   1.772347   .6065422     2.92   0.004     .5825294    2.962165
         h_5 |   2.452602   .6140911     3.99   0.000     1.247976    3.657228
living_w_part |   .7420243   .1200556     6.18   0.000     .5065184    .9775302
   r_sclmeet |    .169867   .0362443     4.69   0.000     .0987687    .2409653
    r_rlgdgr |   .1055615   .0210698     5.01   0.000     .0642301     .146893
   r_ppltrst |   .0575403    .024579     2.34   0.019     .0093251    .1057555
   r_pplfair |   .0524336   .0263722     1.99   0.047     .0007007    .1041664
    r_pplhlp |   .0325361   .0246398     1.32   0.187    -.0157985    .0808706
       _cons |   2.883864   .6707221     4.30   0.000     1.568148    4.199579
------------------------------------------------------------------------------

. predict happyres, r
(481 missing values generated)

. predict happyhat
(option xb assumed; fitted values)
(468 missing values generated)

. scatter happyhat r_happy

.
. pnorm happyres

. *sktest doesn't work with pweights
. sktest happyres

                    Skewness/Kurtosis tests for Normality
                                                       ------- joint ------
    Variable |    Obs   Pr(Skewness)   Pr(Kurtosis)  adj chi2(2)    Prob>chi2
-------------+-------------------------------------------------------------
    happyres |   1.4e+03   0.0000         0.0000        73.47         0.0000

. kdensity liferes, norm
```

```
.
. svy: regress r_happy age28_39 age40_54 age55_64 age65_up female r_eduyr r_hinct h_2 h_3 h_4 h_5
living_w_part r_sclmeet r_rlgdgr r_ppltrst r_pplfair r_pplhlp
(running regress on estimation sample)

Survey: Linear regression

Number of strata   =         1                  Number of obs      =      1417
Number of PSUs     =      1417                  Population size    =  1415.623
                                                 Design df          =      1416
                                                 F(  17,   1400)    =     22.70
                                                 Prob > F           =    0.0000
                                                 R-squared          =    0.2325

------------------------------------------------------------------------------
             |             Linearized
     r_happy |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    age28_39 |   .1281714   .1639287     0.78   0.434    -.1933979    .4497406
    age40_54 |  -.1699839   .1723309    -0.99   0.324    -.5080352    .1680673
    age55_64 |  -.1822307    .182178    -1.00   0.317    -.5395985    .1751371
    age65_up |   .1001406   .2014595     0.50   0.619    -.2950505    .4953317
      female |   .1148931   .0977332     1.18   0.240    -.0768243    .3066105
    r_eduyrs |  -.0320005     .01785    -1.79   0.073    -.0670157    .0030147
  r_hinctnta |   .1354168   .0224241     6.04   0.000     .0914289    .1794048
         h_2 |   .4653193   .6344878     0.73   0.463    -.7793178    1.709956
         h_3 |   1.419945    .604102     2.35   0.019     .2349135    2.604976
         h_4 |   1.772347   .6065422     2.92   0.004     .5825294    2.962165
         h_5 |   2.452602   .6140911     3.99   0.000     1.247976    3.657228
living_w_part|   .7420243   .1200556     6.18   0.000     .5065184    .9775302
   r_sclmeet |    .169867   .0362443     4.69   0.000     .0987687    .2409653
    r_rlgdgr |   .1055615   .0210698     5.01   0.000     .0642301     .146893
   r_ppltrst |   .0575403    .024579     2.34   0.019     .0093251    .1057555
   r_pplfair |   .0524336   .0263722     1.99   0.047     .0007007    .1041664
    r_pplhlp |   .0325361   .0246398     1.32   0.187    -.0157985    .0808706
       _cons |   2.883864   .6707221     4.30   0.000     1.568148    4.199579
------------------------------------------------------------------------------

. test _b[r_ppltrst]=_b[r_pplfair]

Adjusted Wald test

 ( 1)  r_ppltrst - r_pplfair = 0

       F(  1,  1416) =    0.02
            Prob > F =    0.9002

. test _b[r_pplhlp]=_b[r_pplfair]

Adjusted Wald test

 ( 1)  - r_pplfair + r_pplhlp = 0

       F(  1,  1416) =    0.24
            Prob > F =    0.6275

.
.
.
. *_____________________________________________________________________________________________________________
. *SATISFACTION WITH ECONOMY, GOVERNMENT, AND DEMOCRACY
. *_____________________________________________________________________________________________________________
. svy: regress r_stfeco age28_39 age40_54 age55_64 age65_up female r_eduyr r_hinct h_2 h_3 h_4 h_5
living_w_part r_sclmeet r_rlgdgr r_ppltrst r_pplfair r_pplhlp
(running regress on estimation sample)

Survey: Linear regression

Number of strata   =         1                  Number of obs      =      1394
Number of PSUs     =      1394                  Population size    = 1392.0754
                                                 Design df          =      1393
                                                 F(  17,   1377)    =     14.22
                                                 Prob > F           =    0.0000
                                                 R-squared          =    0.1510

------------------------------------------------------------------------------
             |             Linearized
     r_stfeco |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    age28_39 |  -.5450767   .1750481    -3.11   0.002    -.8884631   -.2016904
    age40_54 |  -.3392401   .1950919    -1.74   0.082    -.7219458    .0434655
    age55_64 |  -.2129985    .213401    -1.00   0.318    -.6316204    .2056234
    age65_up |  -.2129667   .2473364    -0.86   0.389    -.6981588    .2722253
      female |  -.0601641   .1187919    -0.51   0.613    -.2931946    .1728663
    r_eduyrs |  -.0510583   .0209623    -2.44   0.015    -.0921795   -.0099372
  r_hinctnta |   .1269288   .0254058     5.00   0.000     .0770911    .1767665
         h_2 |   .5592912   .5828473     0.96   0.337     -.584062    1.702644
         h_3 |   1.021535   .5601337     1.82   0.068    -.0772613    2.120332
```

```
          h_4 |   1.209423   .5649451     2.14   0.032     .1011875    2.317658
          h_5 |   1.577792   .5842889     2.70   0.007     .4316109    2.723973
living_w_part |   .1276861   .1361294     0.94   0.348    -.1393547     .394727
    r_sclmeet |   .1177185   .0427678     2.75   0.006     .0338222    .2016149
     r_rlgdgr |   .0461533   .0241361     1.91   0.056    -.0011937    .0935003
    r_ppltrst |   .1137442   .0311467     3.65   0.000     .0526446    .1748437
    r_pplfair |   .1413093   .0314399     4.49   0.000     .0796345     .202984
     r_pplhlp |   .0708158   .0307799     2.30   0.022     .0104358    .1311958
        _cons |   .9918904   .6946532     1.43   0.154    -.3707888     2.35457
------------------------------------------------------------------------------

. estimates store m1, title(trust)

. predict eco, r
(504 missing values generated)

. pnorm eco

. qnorm eco

. kdensity eco, norm

. sktest eco

                    Skewness/Kurtosis tests for Normality
                                                       ------- joint ------
    Variable |    Obs   Pr(Skewness)   Pr(Kurtosis)  adj chi2(2)    Prob>chi2
-------------+------------------------------------------------------------------
         eco |   1.4e+03   0.2786         0.0051         8.87         0.0119

. test _b[r_ppltrst]=_b[r_pplfair]

Adjusted Wald test

 ( 1)  r_ppltrst - r_pplfair = 0

       F(  1,  1393) =    0.30
            Prob > F =    0.5869

. test _b[r_pplhlp]=_b[r_pplfair]

Adjusted Wald test

 ( 1)  - r_pplfair + r_pplhlp = 0

       F(  1,  1393) =    2.03
            Prob > F =    0.1541

. test _b[r_pplhlp]=_b[r_ppltrst]

Adjusted Wald test

 ( 1)  - r_ppltrst + r_pplhlp = 0

       F(  1,  1393) =    0.71
            Prob > F =    0.3992

.
. svy: regress r_stfgov age28_39 age40_54 age55_64 age65_up female r_eduyr r_hinct h_2 h_3 h_4 h_5
living_w_part r_sclmeet r_rlgdgr r_ppltrst r_pplfair r_pplhlp
(running regress on estimation sample)

Survey: Linear regression

Number of strata   =         1                  Number of obs      =      1405
Number of PSUs     =      1405                  Population size    = 1404.4476
                                                 Design df          =      1404
                                                 F(  17,   1388)    =     10.74
                                                 Prob > F           =    0.0000
                                                 R-squared          =    0.1249

------------------------------------------------------------------------------
             |             Linearized
     r_stfgov |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
--------------+---------------------------------------------------------------
     age28_39 |   .1806291   .2020008     0.89   0.371    -.2156268    .5768849
     age40_54 |   .6462113   .2185183     2.96   0.003     .2175538    1.074869
     age55_64 |   .6642667   .2304665     2.88   0.004     .2121708    1.116363
     age65_up |   .8576487   .2485404     3.45   0.001     .3700982    1.345199
       female |   .0357578   .1253458     0.29   0.775    -.2101275    .2816431
     r_eduyrs |  -.0115304   .0212954    -0.54   0.588    -.0533046    .0302438
   r_hinctnta |   .0672607    .025364     2.65   0.008     .0175053    .1170161
          h_2 |   .5183452   .6338167     0.82   0.414    -.7249846    1.761675
          h_3 |   .5070062   .6129113     0.83   0.408    -.6953143    1.709327
          h_4 |   .9138084   .6180056     1.48   0.139    -.2985055    2.126122
          h_5 |   1.168837   .6362112     1.84   0.066      -.07919    2.416864
living_w_part |  -.0813865   .1425619    -0.57   0.568    -.3610439    .1982708
    r_sclmeet |   .0827207   .0439393     1.88   0.060    -.0034732    .1689145
```

```
     r_rlgdgr |   .0237082   .0257668     0.92   0.358    -.0268374    .0742538
    r_ppltrst |   .1003728   .0313313     3.20   0.001     .0389116    .1618339
    r_pplfair |   .1830037   .0324561     5.64   0.000     .1193361    .2466714
     r_pplhlp |   .0890521   .0321489     2.77   0.006     .0259871    .1521172
        _cons |  -.2216351   .7277105    -0.30   0.761    -1.649152    1.205882
------------------------------------------------------------------------------

. estimates store m2, title(trust)

. predict gov, r
(493 missing values generated)

. pnorm gov

. qnorm gov

. kdensity gov, norm

. sktest gov

                    Skewness/Kurtosis tests for Normality
                                                       ------- joint ------
    Variable |    Obs   Pr(Skewness)   Pr(Kurtosis)  adj chi2(2)    Prob>chi2
-------------+------------------------------------------------------------------
         gov |   1.4e+03   0.0009         0.0003        21.28         0.0000

. test _b[r_ppltrst]=_b[r_pplfair]

Adjusted Wald test

 ( 1)  r_ppltrst - r_pplfair = 0

       F(  1,  1404) =    2.67
            Prob > F =    0.1023

. test _b[r_pplhlp]=_b[r_pplfair]

Adjusted Wald test

 ( 1)  - r_pplfair + r_pplhlp = 0

       F(  1,  1404) =    3.22
            Prob > F =    0.0728

. test _b[r_pplhlp]=_b[r_ppltrst]

Adjusted Wald test

 ( 1)  - r_ppltrst + r_pplhlp = 0

       F(  1,  1404) =    0.05
            Prob > F =    0.8274

.
. svy: regress r_stfdem age28_39 age40_54 age55_64 age65_up female r_eduyr r_hinct h_2 h_3 h_4 h_5
living_w_part r_sclmeet r_rlgdgr r_ppltrst r_pplfair r_pplhlp
(running regress on estimation sample)

Survey: Linear regression

Number of strata   =         1                  Number of obs      =      1370
Number of PSUs     =      1370                  Population size    = 1365.3653
                                                 Design df          =      1369
                                                 F(  17,   1353)    =     12.24
                                                 Prob > F           =    0.0000
                                                 R-squared          =    0.1349

------------------------------------------------------------------------------
             |             Linearized
     r_stfdem |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
--------------+---------------------------------------------------------------
     age28_39 |  -.2349192   .1959251    -1.20   0.231    -.6192651    .1494266
     age40_54 |   -.245146   .2057909    -1.19   0.234    -.6488457    .1585537
     age55_64 |   -.230734   .2135704    -1.08   0.280    -.6496946    .1882267
     age65_up |   .0208306   .2377532     0.09   0.930    -.4455694    .4872307
       female |  -.0449981   .1231858    -0.37   0.715    -.2866515    .1966554
     r_eduyrs |  -.0080065   .0223768    -0.36   0.721    -.0519029      .03589
   r_hinctnta |   .1210773   .0258009     4.69   0.000     .0704637    .1716909
          h_2 |   .6536365   .7008969     0.93   0.351    -.7213117    2.028585
          h_3 |   .6021587   .6667737     0.90   0.367    -.7058502    1.910168
          h_4 |   .9060129   .6699022     1.35   0.176    -.4081331    2.220159
          h_5 |   1.245429   .6848167     1.82   0.069    -.0979746    2.588833
living_w_part |  -.0097671   .1452721    -0.07   0.946    -.2947471    .2752128
    r_sclmeet |    .034888   .0437387     0.80   0.425    -.0509141    .1206902
     r_rlgdgr |   .0516154   .0253666     2.03   0.042     .0018537    .1013771
    r_ppltrst |   .1594226   .0335676     4.75   0.000      .093573    .2252721
    r_pplfair |   .1369402   .0325961     4.20   0.000     .0729964     .200884
     r_pplhlp |   .0495103   .0322019     1.54   0.124    -.0136601    .1126806
```

```
        _cons |   1.652834   .7896214     2.09   0.037     .1038355    3.201833
------------------------------------------------------------------------------

. estimates store m3, title(trust)

. predict dem, r
(528 missing values generated)

. pnorm dem

. qnorm dem

. kdensity dem, norm

. sktest dem

                    Skewness/Kurtosis tests for Normality
                                                       ------- joint ------
    Variable |    Obs   Pr(Skewness)   Pr(Kurtosis)  adj chi2(2)    Prob>chi2
-------------+------------------------------------------------------------------
         dem |   1.4e+03   0.0559         0.0050        11.00         0.0041

. test _b[r_ppltrst]=_b[r_pplfair]

Adjusted Wald test

 ( 1)  r_ppltrst - r_pplfair = 0

       F(  1,  1369) =    0.17
            Prob > F =    0.6813

. test _b[r_pplhlp]=_b[r_pplfair]

Adjusted Wald test

 ( 1)  - r_pplfair + r_pplhlp = 0

       F(  1,  1369) =    3.01
            Prob > F =    0.0830

. test _b[r_pplhlp]=_b[r_ppltrst]

Adjusted Wald test

 ( 1)  - r_ppltrst + r_pplhlp = 0

       F(  1,  1369) =    4.19
            Prob > F =    0.0408

.
. estout m1 m2 m3, cells(b(star fmt(3)) se(par fmt(2)))   ///
>    legend label varlabels(_cons constant)               ///
>    stats(r2 df_r bic, fmt(3 0 1) label(R-sqr dfres BIC))

--------------------------------------------------------------------
                            trust           trust           trust
                             b/se            b/se            b/se
--------------------------------------------------------------------
age28_39                  -0.545**         0.181          -0.235
                          (0.18)          (0.20)          (0.20)
age40_54                  -0.339           0.646**        -0.245
                          (0.20)          (0.22)          (0.21)
age55_64                  -0.213           0.664**        -0.231
                          (0.21)          (0.23)          (0.21)
age65_up                  -0.213           0.858***        0.021
                          (0.25)          (0.25)          (0.24)
female                    -0.060           0.036          -0.045
                          (0.12)          (0.13)          (0.12)
r_eduyrs                  -0.051*         -0.012          -0.008
                          (0.02)          (0.02)          (0.02)
r_hinctnta                 0.127***        0.067**         0.121***
                          (0.03)          (0.03)          (0.03)
rr_health==  ..0000        0.559           0.518           0.654
                          (0.58)          (0.63)          (0.70)
rr_health==  ..0000        1.022           0.507           0.602
                          (0.56)          (0.61)          (0.67)
rr_health==  ..0000        1.209*          0.914           0.906
                          (0.56)          (0.62)          (0.67)
rr_health==  ..0000        1.578**         1.169           1.245
                          (0.58)          (0.64)          (0.68)
living_w_part              0.128          -0.081          -0.010
                          (0.14)          (0.14)          (0.15)
r_sclmeet                  0.118**         0.083           0.035
                          (0.04)          (0.04)          (0.04)
r_rlgdgr                   0.046           0.024           0.052*
                          (0.02)          (0.03)          (0.03)
r_ppltrst                  0.114***        0.100**         0.159***
                          (0.03)          (0.03)          (0.03)
```

```
r_pplfair                   0.141***        0.183***        0.137***
                           (0.03)          (0.03)          (0.03)
r_pplhlp                    0.071*          0.089**         0.050
                           (0.03)          (0.03)          (0.03)
constant                    0.992          -0.222           1.653*
                           (0.69)          (0.73)          (0.79)
------------------------------------------------------------------------
R-sqr                       0.151           0.125           0.135
dfres                        1393            1404            1369
BIC                             .               .               .
------------------------------------------------------------------------
* p<0.05, ** p<0.01, *** p<0.001

.
.
.
.
.
. *****EXPLORATORY
. *_____________________________________________________________________________________________________________
.
. *lrtest to test between models doesn't work with weighted survey data, so will not compare between models
4 and 5.lrtest m1 m2 (http://www.ats.ucla.edu/stat/sta
> ta/faq/nested_tests.htm)
.
. ***testing hypothesis 1, that the coefficients for FAIR is significantly different than the coefficient
for TRUST and HELP.
. *using adjusted Wald's test, which is a compatible post-estimation command with svy data.
. *https://www3.nd.edu/~rwilliam/stats2/142.pdf
. svy: regress r_stflife age28_39 age40_54 age55_64 age65_up female r_eisced r_hinct rr_health
living_w_part r_sclmeet r_rlgdgr r_ppltrst r_pplfair r_pplhlp
(running regress on estimation sample)

Survey: Linear regression

Number of strata   =         1                  Number of obs      =      1429
Number of PSUs     =      1429                  Population size    =  1428.642
                                                 Design df          =      1428
                                                 F(  14,   1415)    =     20.16
                                                 Prob > F           =    0.0000
                                                 R-squared          =    0.1989

------------------------------------------------------------------------------
             |             Linearized
    r_stflife |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
     age28_39 |   .0358161   .1835015     0.20   0.845    -.3241454    .3957776
     age40_54 |  -.3325286   .1945937    -1.71   0.088    -.7142487    .0491915
     age55_64 |  -.0830384   .2015047    -0.41   0.680    -.4783154    .3122386
     age65_up |   .5169306   .2220927     2.33   0.020     .0812676    .9525935
       female |  -.0749921   .1141533    -0.66   0.511    -.2989183     .148934
     r_eisced |  -.0040315   .0346985    -0.12   0.908    -.0720969    .0640339
   r_hinctnta |   .1469161    .025808     5.69   0.000     .0962904    .1975419
    rr_health |   .6208172   .0795106     7.81   0.000     .4648471    .7767873
living_w_part |   .4391515   .1353631     3.24   0.001     .1736197    .7046833
    r_sclmeet |   .1622712   .0423505     3.83   0.000     .0791953    .2453471
     r_rlgdgr |   .1430665   .0252799     5.66   0.000     .0934768    .1926562
    r_ppltrst |   .0643982   .0271761     2.37   0.018     .0110889    .1177075
    r_pplfair |   .1025191   .0295803     3.47   0.001     .0444935    .1605447
     r_pplhlp |   .0011921   .0277115     0.04   0.966    -.0531675    .0555518
        _cons |    1.45166   .4442206     3.27   0.001     .5802653    2.323055
------------------------------------------------------------------------------

. test age28_39 age40_54 age55_64 age65_up

Adjusted Wald test

 ( 1)  age28_39 = 0
 ( 2)  age40_54 = 0
 ( 3)  age55_64 = 0
 ( 4)  age65_up = 0

       F(  4,  1425) =    4.97
            Prob > F =    0.0006

. *age is jointly significant, can't remove
. test r_ppltrst r_pplfair r_pplhlp

Adjusted Wald test

 ( 1)  r_ppltrst = 0
 ( 2)  r_pplfair = 0
 ( 3)  r_pplhlp = 0

       F(  3,  1426) =    9.26
            Prob > F =    0.0000

. *the variables on trust are jointly significant. Now, are they different?
```

```
.
. svy: regress r_stflife age28_39 age40_54 age55_64 age65_up female r_eisced r_hinct rr_health
living_w_part r_sclmeet r_rlgdgr r_ppltrst r_pplfair r_pplhlp
(running regress on estimation sample)

Survey: Linear regression

Number of strata   =         1                  Number of obs      =      1429
Number of PSUs     =      1429                  Population size    =  1428.642
                                                 Design df          =      1428
                                                 F(  14,   1415)    =     20.16
                                                 Prob > F           =    0.0000
                                                 R-squared          =    0.1989

------------------------------------------------------------------------------
             |             Linearized
   r_stflife |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    age28_39 |   .0358161   .1835015     0.20   0.845    -.3241454    .3957776
    age40_54 |  -.3325286   .1945937    -1.71   0.088    -.7142487    .0491915
    age55_64 |  -.0830384   .2015047    -0.41   0.680    -.4783154    .3122386
    age65_up |   .5169306   .2220927     2.33   0.020     .0812676    .9525935
      female |  -.0749921   .1141533    -0.66   0.511    -.2989183     .148934
    r_eisced |  -.0040315   .0346985    -0.12   0.908    -.0720969    .0640339
   r_hinctnta |   .1469161    .025808     5.69   0.000     .0962904    .1975419
    rr_health |   .6208172   .0795106     7.81   0.000     .4648471    .7767873
living_w_part |   .4391515   .1353631     3.24   0.001     .1736197    .7046833
    r_sclmeet |   .1622712   .0423505     3.83   0.000     .0791953    .2453471
     r_rlgdgr |   .1430665   .0252799     5.66   0.000     .0934768    .1926562
    r_ppltrst |   .0643982   .0271761     2.37   0.018     .0110889    .1177075
    r_pplfair |   .1025191   .0295803     3.47   0.001     .0444935    .1605447
     r_pplhlp |   .0011921   .0277115     0.04   0.966    -.0531675    .0555518
        _cons |    1.45166   .4442206     3.27   0.001     .5802653    2.323055
------------------------------------------------------------------------------

. test _b[r_ppltrst]=_b[r_pplfair]

Adjusted Wald test

 ( 1)  r_ppltrst - r_pplfair = 0

       F(  1,  1428) =    0.73
            Prob > F =    0.3945

. *we cannot reject the null hypothesis that the coefficients for TRUST and FAIR are the same
. test _b[r_pplhlp]=_b[r_pplfair]

Adjusted Wald test

 ( 1)  - r_pplfair + r_pplhlp = 0

       F(  1,  1428) =    4.90
            Prob > F =    0.0270

. *we can reject the null hypothesis that the coefficients for HELP and FAIR are the same, and accept the
research hypothesis that they differ (at p<0.05)
. predict e, resid
(469 missing values generated)

. kdensity e, norm

. stem e

Stem-and-leaf plot for e (Residuals)

e rounded to nearest multiple of .1
plot in units of .1

 -8* | 1
 -7. |
 -7s |
 -7f |
 -7t |
 -7* | 1
 -6. | 98
 -6s | 66
 -6f | 5554
 -6t | 33
 -6* |
 -5. | 9998
 -5s | 776666
 -5f | 54444
 -5t | 3
 -5* | 11100
 -4. | 999999
 -4s | 7666
 -4f | 55544
 -4t | 3332222
```

```
 -4* | 100000
 -3. | 99998888
 -3s | 777777666666
 -3f | 55555544444
 -3t | 33333222222
 -3* | 1111111110000000000
 -2. | 999999999888888888
 -2s | 77777777777766666666666
 -2f | 55555555554444444
 -2t | 3333333333222222222
 -2* | 11111111111111100000000000
 -1. | 99999999999999999988888888888888888
 -1s | 777777777777777766666666666666666666
 -1f | 555555555555555555555444444444444444
 -1t | 33333333333322222222222222
 -1* | 111111111111111111111111000000000000000000
 -0. | 9999999999999999999999999888888888888888888888888
 -0s | 77777777777777777777777777766666666666666666666666
 -0f | 555555555555555555555555544444444444444444444
 -0t | 33333333333333333333222222222222222222222222222
 -0* | 11111111111111111111111111111111111
  0* | 000000000000000000000000001111111111111111111111111111
  0t | 22222222222222222222222222222222222233333333333333333333333333333
  0f | 44444444444444444444455555555555555555555555555555
  0s | 666666666666666666666666666666666666666666666666777777777777777 ... (79)
  0. | 88888888888888888888888888888888888888888999999999999999999999999999999
  1* | 000000000000000000000000000001111111111111111111111
  1t | 22222222222222222222222222222233333333333333333333333333333
  1f | 44444444444444444444455555555555555555555555555555
  1s | 666666666666666666666777777777777777777
  1. | 88888888888888888888888888888899999999999999999999
  2* | 00000000000000000000111111111111111111
  2t | 22222222222222222222222333333333333333333
  2f | 444444444444455555555555555
  2s | 66666666666666677777777
  2. | 88888888888999999999
  3* | 0000111111
  3t | 22222222233333
  3f | 444444555555
  3s | 6667777
  3. | 88888899
  4* | 00111
  4t | 22333
  4f | 45
  4s | 77
  4. |
  5* | 1
  5t |
  5f |
  5s |
  5. | 9
  6* |
  6t | 3

. *other measures looking for outliers are not possible after survey estimatation (dfit, dfbeta...)
.
.
. *rvf and lvr plots not possible with svy data, but done anyway to examine points with potential leverage
. regress r_happy age28_39 age40_54 age55_64 age65_up female r_eisced r_hinct rr_health living_w_part
r_sclmeet r_rlgdgr r_ppltrst r_pplfair r_pplhlp

      Source |       SS       df       MS              Number of obs =    1420
-------------+------------------------------           F( 14,  1405) =   29.97
       Model |  1337.56626    14  95.5404474           Prob > F      =  0.0000
    Residual |   4479.4274  1405  3.18820455           R-squared     =  0.2299
-------------+------------------------------           Adj R-squared =  0.2223
       Total |  5816.99366  1419  4.09936128           Root MSE      =  1.7856

------------------------------------------------------------------------------
      r_happy |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
--------------+---------------------------------------------------------------
     age28_39 |   .0523315   .1688655     0.31   0.757    -.2789241    .3835871
     age40_54 |  -.2156966    .170846    -1.26   0.207    -.5508374    .1194442
     age55_64 |   -.178892   .1833048    -0.98   0.329    -.5384726    .1806885
     age65_up |    .120844   .1920823     0.63   0.529     -.255955    .4976429
       female |   .1098103   .0988921     1.11   0.267    -.0841819    .3038024
     r_eisced |  -.0414579   .0299097    -1.39   0.166    -.1001303    .0172145
   r_hinctnta |   .1305538   .0211685     6.17   0.000     .0890285    .1720792
    rr_health |   .5805518   .0625799     9.28   0.000     .4577917    .7033119
living_w_part |   .7931797   .1141128     6.95   0.000     .5693299    1.017029
    r_sclmeet |   .1689219   .0330417     5.11   0.000     .1041055    .2337384
     r_rlgdgr |   .1074263   .0190433     5.64   0.000     .0700698    .1447827
    r_ppltrst |   .0587825   .0227503     2.58   0.010     .0141544    .1034107
    r_pplfair |   .0509559   .0231295     2.20   0.028     .0055839    .0963279
     r_pplhlp |   .0357315   .0221995     1.61   0.108    -.0078162    .0792793
        _cons |   2.155721   .3523953     6.12   0.000     1.464444    2.846999
------------------------------------------------------------------------------
```

```
. predict resid, r
(478 missing values generated)

. rvfplot

. lvr2plot

.
.
. *in the pnorm plot, the residuals do not deviate much from the normal line.
. graph twoway (lfit resid r_pplfair) (scatter resid r_pplfair)

. graph twoway (lfit resid r_ppltrst) (scatter resid r_ppltrst)

. graph twoway (lfit resid r_pplhlp) (scatter resid r_pplhlp)

. graph twoway (lfit resid rr_health) (scatter resid rr_health)

. graph twoway (lfit resid r_hinct) (scatter resid r_hinct)

. graph twoway (lfit resid r_sclmeet) (scatter resid r_sclmeet)

. graph twoway (lfit resid r_rlgdgr) (scatter resid r_rlgdgr)

.
. scatter resid r_pplfair

. scatter resid r_ppltrst

. scatter resid r_hinct

. scatter resid rr_health

. scatter resid r_sclmeet

. scatter resid r_eisced

.
. stem e

Stem-and-leaf plot for e (Residuals)

e rounded to nearest multiple of .1
plot in units of .1

 -8* | 1
 -7. |
 -7s |
 -7f |
 -7t |
 -7* | 1
 -6. | 98
 -6s | 66
 -6f | 5554
 -6t | 33
 -6* |
 -5. | 9998
 -5s | 776666
 -5f | 54444
 -5t | 3
 -5* | 11100
 -4. | 999999
 -4s | 7666
 -4f | 55544
 -4t | 3332222
 -4* | 100000
 -3. | 99998888
 -3s | 777777666666
 -3f | 55555544444
 -3t | 33333222222
 -3* | 1111111110000000000
 -2. | 999999999888888888
 -2s | 77777777777666666666666
 -2f | 55555555554444444
 -2t | 3333333332222222222
 -2* | 11111111111111100000000000
 -1. | 99999999999999999988888888888888888
 -1s | 77777777777777776666666666666666666666
 -1f | 55555555555555555555544444444444444444
 -1t | 33333333333322222222222222222
 -1* | 11111111111111111111111100000000000000000000
 -0. | 99999999999999999999999988888888888888888888888888
 -0s | 77777777777777777777777777776666666666666666666666666
 -0f | 55555555555555555555555555544444444444444444444
 -0t | 33333333333333333333322222222222222222222222222222
 -0* | 11111111111111111111111111111111111
  0* | 00000000000000000000000000011111111111111111111111111111
  0t | 22222222222222222222222222222222222222233333333333333333333333333333
```

```
  0f | 44444444444444444444445555555555555555555555555555
  0s | 66666666666666666666666666666666666666666666667777777777777777 ... (79)
  0. | 88888888888888888888888888888888888888888899999999999999999999999999999
  1* | 00000000000000000000000000000011111111111111111111
  1t | 22222222222222222222222222222233333333333333333333333333
  1f | 44444444444444444444455555555555555555555555555555
  1s | 66666666666666666666677777777777777777777
  1. | 88888888888888888888888888888999999999999999999
  2* | 00000000000000000000011111111111111111
  2t | 22222222222222222222222333333333333333333
  2f | 444444444444455555555555555
  2s | 6666666666666677777777
  2. | 88888888888999999999
  3* | 0000111111
  3t | 22222222233333
  3f | 444444555555
  3s | 6667777
  3. | 88888899
  4* | 00111
  4t | 22333
  4f | 45
  4s | 77
  4. |
  5* | 1
  5t |
  5f |
  5s |
  5. | 9
  6* |
  6t | 3

. gen happy_res=1

. replace happy_res=0 if e<=-6
(12 real changes made)

. *only seven cases on the left tail equal to or lower than -6; doesn't seem worth it to remove them.
.
. svy, subpop(happy_res): regress r_happy age28_39 age40_54 age55_64 age65_up female r_eisced r_hinct
rr_health living_w_part r_sclmeet r_rlgdgr r_ppltrst r_pplfa
> ir r_pplhlp
(running regress on estimation sample)

Survey: Linear regression

Number of strata   =         1                  Number of obs      =      1420
Number of PSUs     =      1420                  Population size    = 1418.5975
                                                 Subpop. no. of obs =      1408
                                                 Subpop. size       = 1407.9007
                                                 Design df          =      1419
                                                 F(  14,   1406)    =     25.19
                                                 Prob > F           =    0.0000
                                                 R-squared          =    0.2306

------------------------------------------------------------------------------
             |             Linearized
     r_happy |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    age28_39 |   .1147825   .1629356     0.70   0.481    -.2048381    .4344031
    age40_54 |  -.1376883   .1706538    -0.81   0.420     -.472449    .1970725
    age55_64 |  -.0901068   .1823082    -0.49   0.621    -.4477294    .2675157
    age65_up |   .1934761   .1988117     0.97   0.331    -.1965203    .5834724
      female |   .0828347   .0976187     0.85   0.396    -.1086578    .2743272
    r_eisced |  -.0324967   .0292029    -1.11   0.266    -.0897821    .0247887
   r_hinctnta |   .1200182   .0222056     5.40   0.000     .0764589    .1635775
    rr_health |   .5783803   .0685678     8.44   0.000     .4438753    .7128854
living_w_part |   .7281863    .119834     6.08   0.000     .4931154    .9632572
   r_sclmeet |   .1801284   .0359343     5.01   0.000     .1096383    .2506186
    r_rlgdgr |   .1064768   .0209243     5.09   0.000     .0654308    .1475227
   r_ppltrst |   .0560818   .0242626     2.31   0.021     .0084874    .1036762
   r_pplfair |   .0626526   .0259734     2.41   0.016     .0117023    .1136028
    r_pplhlp |   .0394926   .0242877     1.63   0.104    -.0081511    .0871363
       _cons |   2.106524   .3864674     5.45   0.000     1.348415    2.864633
------------------------------------------------------------------------------

.
. *_____________________________________________________________________________________________________
. *_____________________________________________________________________________________________________
.
.
. *APPENDIX B, SECOND INCOME VARIABLE
. ***using second measure of income, reverse coded
.
. svy: regress r_stflife age28_39 age40_54 age55_64 age65_up female r_eisced
(running regress on estimation sample)

Survey: Linear regression
```

```
Number of strata   =         1                  Number of obs      =      1882
Number of PSUs     =      1882                  Population size    = 1881.6306
                                                 Design df          =      1881
                                                 F(   6,   1876)    =      8.71
                                                 Prob > F           =    0.0000
                                                 R-squared          =    0.0247

------------------------------------------------------------------------------
             |             Linearized
  r_stflife |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    age28_39 |  -.3460705   .1482921    -2.33   0.020    -.6369047   -.0552362
    age40_54 |  -.7877509   .1552523    -5.07   0.000    -1.092236    -.483266
    age55_64 |   -.771321   .1610562    -4.79   0.000    -1.087189   -.4554534
    age65_up |  -.4661366   .1641859    -2.84   0.005    -.7881424   -.1441309
      female |  -.1150439    .105539    -1.09   0.276    -.3220297    .0919418
    r_eisced |   .0986779   .0281622     3.50   0.000     .0434455    .1539103
       _cons |   7.293378   .1512969    48.21   0.000      6.99665    7.590105
------------------------------------------------------------------------------

. estimates store m1, title(demo)

. svy: regress r_stflife age28_39 age40_54 age55_64 age65_up female r_eisced rr_hincfel
(running regress on estimation sample)

Survey: Linear regression

Number of strata   =         1                  Number of obs      =      1868
Number of PSUs     =      1868                  Population size    = 1868.0378
                                                 Design df          =      1867
                                                 F(   7,   1861)    =     30.51
                                                 Prob > F           =    0.0000
                                                 R-squared          =    0.1381

------------------------------------------------------------------------------
             |             Linearized
  r_stflife |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    age28_39 |  -.1351598   .1439422    -0.94   0.348    -.4174643    .1471447
    age40_54 |  -.4767693    .145005    -3.29   0.001    -.7611581   -.1923804
    age55_64 |  -.3971211   .1555895    -2.55   0.011    -.7022687   -.0919735
    age65_up |  -.0228786   .1575481    -0.15   0.885    -.3318676    .2861104
      female |  -.0117418   .1005243    -0.12   0.907    -.2088937    .1854101
    r_eisced |  -.0020143   .0278473    -0.07   0.942    -.0566294    .0526008
  rr_hincfel |   1.242936   .0943195    13.18   0.000     1.057953    1.427919
       _cons |   3.933584   .2971334    13.24   0.000     3.350836    4.516332
------------------------------------------------------------------------------

. estimates store m2, title(inc)

. svy: regress r_stflife age28_39 age40_54 age55_64 age65_up female r_eisced rr_hincfel h_2 h_3 h_4 h_5
(running regress on estimation sample)

Survey: Linear regression

Number of strata   =         1                  Number of obs      =      1867
Number of PSUs     =      1867                  Population size    = 1867.1989
                                                 Design df          =      1866
                                                 F(  11,   1856)    =     28.19
                                                 Prob > F           =    0.0000
                                                 R-squared          =    0.1790

------------------------------------------------------------------------------
             |             Linearized
  r_stflife |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    age28_39 |   .0266721   .1424812     0.19   0.852    -.2527671    .3061113
    age40_54 |  -.1359523   .1504074    -0.90   0.366    -.4309367    .1590321
    age55_64 |   .1375368   .1664444     0.83   0.409       -.1889    .4639737
    age65_up |   .7389155   .1747244     4.23   0.000     .3962396    1.081591
      female |   .0422154   .0981073     0.43   0.667    -.1501961     .234627
    r_eisced |  -.0170618   .0270406    -0.63   0.528    -.0700948    .0359712
  rr_hincfel |   1.062432   .0952159    11.16   0.000     .8756913    1.249173
         h_2 |   .6549117   .6252398     1.05   0.295    -.5713313    1.881155
         h_3 |   1.289141   .6053656     2.13   0.033     .1018757    2.476405
         h_4 |   1.883375   .6085914     3.09   0.002     .6897839    3.076967
         h_5 |   2.494542    .618454     4.03   0.000     1.281607    3.707476
       _cons |   2.411172   .6645221     3.63   0.000     1.107888    3.714457
------------------------------------------------------------------------------

. estimates store m3, title(health)

. svy: regress r_stflife age28_39 age40_54 age55_64 age65_up female r_eisced rr_hincfel h_2 h_3 h_4 h_5
living_w_part r_sclmeet r_rlgdgr
(running regress on estimation sample)

Survey: Linear regression
```

```
Number of strata   =         1                  Number of obs      =      1832
Number of PSUs     =      1832                  Population size    = 1831.6685
                                                 Design df          =      1831
                                                 F(  14,   1818)    =     29.02
                                                 Prob > F           =    0.0000
                                                 R-squared          =    0.2212

------------------------------------------------------------------------------
             |             Linearized
   r_stflife |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    age28_39 |  -.1038168   .1608886    -0.65   0.519    -.4193613    .2117277
    age40_54 |  -.2828843   .1753882    -1.61   0.107    -.6268662    .0610977
    age55_64 |  -.0757215   .1814168    -0.42   0.676     -.431527     .280084
    age65_up |   .6101211    .189562     3.22   0.001     .2383408    .9819015
      female |  -.0453447   .0976725    -0.46   0.643     -.236906    .1462165
    r_eisced |   .0152718   .0273607     0.56   0.577    -.0383895    .0689332
  rr_hincfel |   .9776399   .0936331    10.44   0.000      .794001    1.161279
         h_2 |    .752634   .5832511     1.29   0.197    -.3912734    1.896541
         h_3 |   1.313169   .5610433     2.34   0.019     .2128172    2.413521
         h_4 |   1.914254   .5655103     3.39   0.001     .8051413    3.023367
         h_5 |   2.438834   .5762472     4.23   0.000     1.308664    3.569005
living_w_part |   .4568082   .1190554     3.84   0.000     .2233095    .6903068
   r_sclmeet |   .1613226   .0375198     4.30   0.000     .0877364    .2349088
    r_rlgdgr |    .150493   .0209261     7.19   0.000     .1094514    .1915345
       _cons |   .8081832   .6467158     1.25   0.212     -.460195    2.076561
------------------------------------------------------------------------------

. estimates store m4, title(social)

. svy: regress r_stflife age28_39 age40_54 age55_64 age65_up female r_eisced rr_hincfel h_2 h_3 h_4 h_5
living_w_part r_sclmeet r_rlgdgr r_ppltrst r_pplfair r_ppl
> hlp
(running regress on estimation sample)

Survey: Linear regression

Number of strata   =         1                  Number of obs      =      1782
Number of PSUs     =      1782                  Population size    = 1779.6718
                                                 Design df          =      1781
                                                 F(  17,   1765)    =     24.42
                                                 Prob > F           =    0.0000
                                                 R-squared          =    0.2318

------------------------------------------------------------------------------
             |             Linearized
   r_stflife |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    age28_39 |  -.0745589   .1622937    -0.46   0.646    -.3928649    .2437472
    age40_54 |  -.2748806   .1763761    -1.56   0.119    -.6208065    .0710453
    age55_64 |  -.1464485   .1821682    -0.80   0.422    -.5037345    .2108375
    age65_up |   .5337108   .1909108     2.80   0.005     .1592781    .9081435
      female |  -.0542403   .0979865    -0.55   0.580    -.2464209    .1379403
    r_eisced |  -.0030598   .0278882    -0.11   0.913    -.0577568    .0516372
  rr_hincfel |   .9279726   .0948357     9.79   0.000     .7419716    1.113974
         h_2 |   .4206497   .5922451     0.71   0.478    -.7409188    1.582218
         h_3 |    .989881   .5735943     1.73   0.085    -.1351077     2.11487
         h_4 |    1.52119   .5765081     2.64   0.008     .3904869    2.651894
         h_5 |   2.000505   .5881825     3.40   0.001     .8469042    3.154105
living_w_part |   .5047054   .1205875     4.19   0.000     .2681975    .7412132
   r_sclmeet |    .153466   .0376729     4.07   0.000     .0795782    .2273538
    r_rlgdgr |   .1464384   .0210423     6.96   0.000     .1051682    .1877086
   r_ppltrst |    .051989   .0232311     2.24   0.025      .006426     .097552
   r_pplfair |   .0786774   .0253757     3.10   0.002     .0289082    .1284466
    r_pplhlp |   .0123571   .0242488     0.51   0.610    -.0352019    .0599161
       _cons |   .7874006    .670661     1.17   0.241    -.5279646    2.102766
------------------------------------------------------------------------------

. estimates store m5, title(trust)

.
. estout m1 m2 m3 m4 m5, cells(b(star fmt(3)) se(par fmt(2)))   ///
>    legend label varlabels(_cons constant)              ///
>    stats(r2 df_r bic, fmt(3 0 1) label(R-sqr dfres BIC))

------------------------------------------------------------------------------------------------------
                           demo            inc         health         social          trust
                           b/se            b/se           b/se           b/se           b/se
------------------------------------------------------------------------------------------------------
age28_39                -0.346*         -0.135          0.027         -0.104         -0.075
                        (0.15)          (0.14)         (0.14)         (0.16)         (0.16)
age40_54                -0.788***       -0.477**       -0.136         -0.283         -0.275
                        (0.16)          (0.15)         (0.15)         (0.18)         (0.18)
age55_64                -0.771***       -0.397*         0.138         -0.076         -0.146
                        (0.16)          (0.16)         (0.17)         (0.18)         (0.18)
age65_up                -0.466**        -0.023          0.739***       0.610**        0.534**
                        (0.16)          (0.16)         (0.17)         (0.19)         (0.19)
female                  -0.115          -0.012          0.042         -0.045         -0.054
```

```
                          (0.11)          (0.10)          (0.10)          (0.10)          (0.10)
r_eisced                   0.099***       -0.002          -0.017           0.015          -0.003
                          (0.03)          (0.03)          (0.03)          (0.03)          (0.03)
rr_hincfel                                 1.243***        1.062***        0.978***        0.928***
                                           (0.09)          (0.10)          (0.09)          (0.09)
rr_health==  ..0000                                        0.655           0.753           0.421
                                                          (0.63)          (0.58)          (0.59)
rr_health==  ..0000                                        1.289*          1.313*          0.990
                                                          (0.61)          (0.56)          (0.57)
rr_health==  ..0000                                        1.883**         1.914***        1.521**
                                                          (0.61)          (0.57)          (0.58)
rr_health==  ..0000                                        2.495***        2.439***        2.001***
                                                          (0.62)          (0.58)          (0.59)
living_w_part                                                              0.457***        0.505***
                                                                          (0.12)          (0.12)
r_sclmeet                                                                  0.161***        0.153***
                                                                          (0.04)          (0.04)
r_rlgdgr                                                                   0.150***        0.146***
                                                                          (0.02)          (0.02)
r_ppltrst                                                                                  0.052*
                                                                                          (0.02)
r_pplfair                                                                                  0.079**
                                                                                          (0.03)
r_pplhlp                                                                                   0.012
                                                                                          (0.02)
constant                   7.293***        3.934***        2.411***        0.808           0.787
                          (0.15)          (0.30)          (0.66)          (0.65)          (0.67)
------------------------------------------------------------------------------------------------
R-sqr                      0.025           0.138           0.179           0.221           0.232
dfres                      1881            1867            1866            1831            1781
BIC                           .               .               .               .               .
------------------------------------------------------------------------------------------------
* p<0.05, ** p<0.01, *** p<0.001

.
. predict eisced_life, r
(116 missing values generated)

. qnorm eisced_life

.
.
. svy, subpop(female): regress age28_39 age40_54 age55_64 age65_up r_eisced rr_hincfel rr_health
living_w_part r_sclmeet r_rlgdgr r_ppltrst r_pplfair r_pplhlp
(running regress on estimation sample)

Survey: Linear regression

Number of strata   =         1                  Number of obs      =      1844
Number of PSUs     =      1844                  Population size    = 1841.4052
                                                 Subpop. no. of obs =       935
                                                 Subpop. size       = 951.71646
                                                 Design df          =      1843
                                                 F(  12,   1832)    =     50.51
                                                 Prob > F           =    0.0000
                                                 R-squared          =    0.5115

------------------------------------------------------------------------------
             |             Linearized
     age28_39 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
--------------+---------------------------------------------------------------
     age40_54 |  -.6156591   .0268554   -22.93   0.000    -.6683292    -.562989
     age55_64 |  -.5860384   .0268964   -21.79   0.000     -.638789   -.5332878
     age65_up |  -.5553561   .0295223   -18.81   0.000    -.6132568   -.4974553
     r_eisced |   .0215645   .0057912     3.72   0.000     .0102065    .0329225
   rr_hincfel |  -.0477022   .0145121    -3.29   0.001     -.076164   -.0192404
    rr_health |  -.0263208   .0115303    -2.28   0.023    -.0489346   -.0037069
living_w_part |   .2070681   .0203889    10.16   0.000     .1670804    .2470558
    r_sclmeet |  -.0389364   .0058167    -6.69   0.000    -.0503443   -.0275285
     r_rlgdgr |   .0081806   .0037803     2.16   0.031     .0007666    .0155947
    r_ppltrst |   .0007647   .0036353     0.21   0.833    -.0063649    .0078944
    r_pplfair |  -.0024003   .0037496    -0.64   0.522    -.0097542    .0049535
     r_pplhlp |   .0078954   .0038262     2.06   0.039     .0003913    .0153995
        _cons |   .6621233     .06534    10.13   0.000     .5339751    .7902715
------------------------------------------------------------------------------

. predict eisced_life2, r
(110 missing values generated)

. qnorm eisced_life2

. sktest eisced_life2

                    Skewness/Kurtosis tests for Normality
                                                      ------- joint ------
    Variable |    Obs    Pr(Skewness)   Pr(Kurtosis)  adj chi2(2)    Prob>chi2
-------------+-----------------------------------------------------------------
eisced_life2 |   1.8e+03   0.1093         0.4527         3.12         0.2100
```

```
.
. *_____________________________________________________________________________________________________
.
. ***LIFE SATISFACTION, INDIVIDUAL ADEQUACY OF INCOME USED, START***
. ***slowly adding in sections, regression
. ***Regressions
. svy: regress r_stflife age28_39 age40_54 age55_64 age65_up female r_eduyr
(running regress on estimation sample)

Survey: Linear regression

Number of strata   =         1                  Number of obs      =      1869
Number of PSUs     =      1869                  Population size    = 1868.8928
                                                 Design df          =      1868
                                                 F(   6,   1863)    =      7.33
                                                 Prob > F           =    0.0000
                                                 R-squared          =    0.0207

------------------------------------------------------------------------------
             |             Linearized
  r_stflife |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    age28_39 |  -.3214704   .1484834    -2.17   0.031    -.6126812   -.0302597
    age40_54 |   -.794743   .1557023    -5.10   0.000    -1.100112   -.4893742
    age55_64 |  -.8005654   .1617755    -4.95   0.000    -1.117845   -.4832856
    age65_up |   -.470797   .1723981    -2.73   0.006    -.8089101   -.1326839
      female |  -.0747991    .105783    -0.71   0.480    -.2822644    .1326663
    r_eduyrs |   .0281587   .0165053     1.71   0.088    -.0042121    .0605294
       _cons |   7.281746   .2387096    30.50   0.000     6.81358    7.749912
------------------------------------------------------------------------------

. estimates store m1, title(demo)

. svy: regress r_stflife age28_39 age40_54 age55_64 age65_up female r_eduyr  incfeel_2 incfeel_3 incfeel_4
(running regress on estimation sample)

Survey: Linear regression

Number of strata   =         1                  Number of obs      =      1858
Number of PSUs     =      1858                  Population size    = 1858.3121
                                                 Design df          =      1857
                                                 F(   9,   1849)    =     27.97
                                                 Prob > F           =    0.0000
                                                 R-squared          =    0.1459

------------------------------------------------------------------------------
             |             Linearized
  r_stflife |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    age28_39 |  -.1186819   .1433259    -0.83   0.408    -.3997787    .1624149
    age40_54 |  -.4768769   .1448903    -3.29   0.001    -.7610419   -.1927119
    age55_64 |  -.4282962   .1546291    -2.77   0.006    -.7315614    -.125031
    age65_up |  -.1072991   .1626527    -0.66   0.510    -.4263005    .2117023
      female |  -.0000665   .0997883    -0.00   0.999    -.1957755    .1956425
    r_eduyrs |  -.0230597   .0160279    -1.44   0.150    -.0544943    .0083749
   incfeel_2 |   1.974148   .4505681     4.38   0.000     1.090475    2.857821
   incfeel_3 |   3.208253   .4437326     7.23   0.000     2.337986     4.07852
   incfeel_4 |   4.190449   .4608211     9.09   0.000     3.286668    5.094231
       _cons |   4.785505   .4898383     9.77   0.000     3.824813    5.746196
------------------------------------------------------------------------------

. estimates store m2, title(inc)

. svy: regress r_stflife age28_39 age40_54 age55_64 age65_up female r_eduyr incfeel_2 incfeel_3 incfeel_4
h_2 h_3 h_4 h_5
(running regress on estimation sample)

Survey: Linear regression

Number of strata   =         1                  Number of obs      =      1857
Number of PSUs     =      1857                  Population size    = 1857.4731
                                                 Design df          =      1856
                                                 F(  13,   1844)    =     27.15
                                                 Prob > F           =    0.0000
                                                 R-squared          =    0.1880

------------------------------------------------------------------------------
             |             Linearized
  r_stflife |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    age28_39 |   .0529591   .1422196     0.37   0.710     -.225968    .3318862
    age40_54 |  -.1262198   .1501699    -0.84   0.401    -.4207395    .1682999
    age55_64 |   .1106113   .1655642     0.67   0.504    -.2141003     .435323
    age65_up |   .6440024   .1781083     3.62   0.000     .2946888    .9933161
      female |   .0540551   .0972516     0.56   0.578    -.1366789     .244789
    r_eduyrs |   -.033668   .0156237    -2.15   0.031    -.0643098   -.0030262
   incfeel_2 |   1.747813   .4449875     3.93   0.000     .8750847    2.620542
```

```
   incfeel_3 |   2.791618   .4413449     6.33   0.000     1.926033    3.657203
   incfeel_4 |   3.631646   .4586418     7.92   0.000     2.732138    4.531154
         h_2 |   .6137189   .6392971     0.96   0.337     -.640098    1.867536
         h_3 |   1.282038   .6218002     2.06   0.039     .0625367    2.501539
         h_4 |   1.886041   .6249853     3.02   0.003     .6602928    3.111789
         h_5 |   2.502401   .6350446     3.94   0.000     1.256924    3.747878
       _cons |   3.205201   .7594314     4.22   0.000     1.715772     4.69463
------------------------------------------------------------------------------

. estimates store m3, title(health)

. svy: regress r_stflife age28_39 age40_54 age55_64 age65_up female r_eduyr incfeel_2 incfeel_3 incfeel_4
h_2 h_3 h_4 h_5 living_w_part r_sclmeet r_rlgdgr
(running regress on estimation sample)

Survey: Linear regression

Number of strata   =         1                  Number of obs      =      1822
Number of PSUs     =      1822                  Population size    =   1821.84
                                                 Design df          =      1821
                                                 F(  16,   1806)    =     27.38
                                                 Prob > F           =    0.0000
                                                 R-squared          =    0.2257

------------------------------------------------------------------------------
             |             Linearized
    r_stflife |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
--------------+---------------------------------------------------------------
     age28_39 |  -.0777775    .161122    -0.48   0.629    -.3937809    .2382259
     age40_54 |  -.2834063   .1759333    -1.61   0.107    -.6284585     .061646
     age55_64 |  -.0982829   .1800951    -0.55   0.585    -.4514976    .2549319
     age65_up |   .5496426    .192528     2.85   0.004     .1720437    .9272414
       female |  -.0236014   .0971313    -0.24   0.808    -.2141018     .166899
     r_eduyrs |  -.0160462   .0158426    -1.01   0.311    -.0471178    .0150253
    incfeel_2 |   1.549313   .4389467     3.53   0.000     .6884208    2.410205
    incfeel_3 |     2.4849   .4359139     5.70   0.000     1.629956    3.339844
    incfeel_4 |   3.392597   .4541342     7.47   0.000     2.501919    4.283276
          h_2 |   .6938833   .5974694     1.16   0.246    -.4779141    1.865681
          h_3 |   1.290916   .5776322     2.23   0.026     .1580251    2.423808
          h_4 |   1.903238   .5823014     3.27   0.001     .7611891    3.045287
          h_5 |   2.429818   .5933471     4.10   0.000     1.266106     3.59353
living_w_part |    .456314   .1196872     3.81   0.000     .2215753    .6910526
    r_sclmeet |   .1552863   .0373953     4.15   0.000     .0819442    .2286284
     r_rlgdgr |   .1429676   .0210365     6.80   0.000     .1017094    .1842259
        _cons |   1.604691   .7439577     2.16   0.031     .1455904    3.063791
------------------------------------------------------------------------------

. estimates store m4, title(social)

. svy: regress r_stflife age28_39 age40_54 age55_64 age65_up female r_eduyr incfeel_2 incfeel_3 incfeel_4
h_2 h_3 h_4 h_5 living_w_part r_sclmeet r_rlgdgr r_ppltr
> st r_pplfair r_pplhlp
(running regress on estimation sample)

Survey: Linear regression

Number of strata   =         1                  Number of obs      =      1773
Number of PSUs     =      1773                  Population size    = 1770.8129
                                                 Design df          =      1772
                                                 F(  19,   1754)    =     23.37
                                                 Prob > F           =    0.0000
                                                 R-squared          =    0.2369

------------------------------------------------------------------------------
             |             Linearized
    r_stflife |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
--------------+---------------------------------------------------------------
     age28_39 |  -.0502743   .1627225    -0.31   0.757    -.3694225    .2688739
     age40_54 |  -.2703826    .177243    -1.53   0.127    -.6180099    .0772448
     age55_64 |  -.1627517   .1811761    -0.90   0.369    -.5180929    .1925896
     age65_up |   .4802246   .1937987     2.48   0.013     .1001264    .8603228
       female |  -.0396897    .097599    -0.41   0.684     -.231111    .1517315
     r_eduyrs |  -.0209895   .0160808    -1.31   0.192    -.0525289    .0105499
    incfeel_2 |   1.586362   .4461776     3.56   0.000     .7112719    2.461452
    incfeel_3 |   2.452134   .4442801     5.52   0.000     1.580766    3.323502
    incfeel_4 |   3.301966    .462099     7.15   0.000      2.39565    4.208283
          h_2 |   .3417265   .6047157     0.57   0.572    -.8443045    1.527758
          h_3 |   .9505987   .5888208     1.61   0.107    -.2042576    2.105455
          h_4 |   1.485971   .5921445     2.51   0.012     .3245954    2.647346
          h_5 |   1.969908   .6044823     3.26   0.001     .7843345    3.155481
living_w_part |   .5012946    .121553     4.12   0.000     .2628922     .739697
    r_sclmeet |   .1494538   .0375915     3.98   0.000     .0757254    .2231822
     r_rlgdgr |   .1396385   .0210555     6.63   0.000     .0983422    .1809349
    r_ppltrst |   .0534969    .023253     2.30   0.022     .0078907    .0991031
    r_pplfair |   .0783139   .0254373     3.08   0.002     .0284237    .1282042
     r_pplhlp |   .0087164   .0239633     0.36   0.716     -.038283    .0557157
        _cons |   1.483114   .7812668     1.90   0.058    -.0491874    3.015416
------------------------------------------------------------------------------
```

```
. estimates store m5, title(trust)

.
. estout m1 m2 m3 m4 m5, cells(b(star fmt(3)) se(par fmt(2)))   ///
>    legend label varlabels(_cons constant)              ///
>    stats(r2 df_r bic, fmt(3 0 1) label(R-sqr dfres BIC))
```

	demo	inc	health	social	trust
	b/se	b/se	b/se	b/se	b/se
age28_39	-0.321*	-0.119	0.053	-0.078	-0.050
	(0.15)	(0.14)	(0.14)	(0.16)	(0.16)
age40_54	-0.795***	-0.477**	-0.126	-0.283	-0.270
	(0.16)	(0.14)	(0.15)	(0.18)	(0.18)
age55_64	-0.801***	-0.428**	0.111	-0.098	-0.163
	(0.16)	(0.15)	(0.17)	(0.18)	(0.18)
age65_up	-0.471**	-0.107	0.644***	0.550**	0.480*
	(0.17)	(0.16)	(0.18)	(0.19)	(0.19)
female	-0.075	-0.000	0.054	-0.024	-0.040
	(0.11)	(0.10)	(0.10)	(0.10)	(0.10)
r_eduyrs	0.028	-0.023	-0.034*	-0.016	-0.021
	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)
rr_hincfel== ..0000		1.974***	1.748***	1.549***	1.586***
		(0.45)	(0.44)	(0.44)	(0.45)
rr_hincfel== ..0000		3.208***	2.792***	2.485***	2.452***
		(0.44)	(0.44)	(0.44)	(0.44)
rr_hincfel== ..0000		4.190***	3.632***	3.393***	3.302***
		(0.46)	(0.46)	(0.45)	(0.46)
rr_health== ..0000			0.614	0.694	0.342
			(0.64)	(0.60)	(0.60)
rr_health== ..0000			1.282*	1.291*	0.951
			(0.62)	(0.58)	(0.59)
rr_health== ..0000			1.886**	1.903**	1.486*
			(0.62)	(0.58)	(0.59)
rr_health== ..0000			2.502***	2.430***	1.970**
			(0.64)	(0.59)	(0.60)
living_w_part				0.456***	0.501***
				(0.12)	(0.12)
r_sclmeet				0.155***	0.149***
				(0.04)	(0.04)
r_rlgdgr				0.143***	0.140***
				(0.02)	(0.02)
r_ppltrst					0.053*
					(0.02)
r_pplfair					0.078**
					(0.03)
r_pplhlp					0.009
					(0.02)
constant	7.282***	4.786***	3.205***	1.605*	1.483
	(0.24)	(0.49)	(0.76)	(0.74)	(0.78)
R-sqr	0.021	0.146	0.188	0.226	0.237
dfres	1868	1857	1856	1821	1772
BIC	.	.	.	.	.

```
* p<0.05, ** p<0.01, *** p<0.001

.
. svy: regress r_stflife age28_39 age40_54 age55_64 age65_up female r_eduyr incfeel_2 incfeel_3 incfeel_4
h_2 h_3 h_4 h_5 living_w_part r_sclmeet r_rlgdgr r_ppltr
> st r_pplfair r_pplhlp
(running regress on estimation sample)

Survey: Linear regression

Number of strata   =         1                  Number of obs      =      1773
Number of PSUs     =      1773                  Population size    = 1770.8129
                                                 Design df          =      1772
                                                 F(  19,   1754)    =     23.37
                                                 Prob > F           =    0.0000
                                                 R-squared          =    0.2369

------------------------------------------------------------------------------
             |             Linearized
    r_stflife |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
     age28_39 |  -.0502743   .1627225    -0.31   0.757    -.3694225    .2688739
     age40_54 |  -.2703826    .177243    -1.53   0.127    -.6180099    .0772448
     age55_64 |  -.1627517   .1811761    -0.90   0.369    -.5180929    .1925896
     age65_up |   .4802246   .1937987     2.48   0.013     .1001264    .8603228
       female |  -.0396897    .097599    -0.41   0.684     -.231111    .1517315
     r_eduyrs |  -.0209895   .0160808    -1.31   0.192    -.0525289    .0105499
    incfeel_2 |   1.586362   .4461776     3.56   0.000     .7112719    2.461452
    incfeel_3 |   2.452134   .4442801     5.52   0.000     1.580766    3.323502
    incfeel_4 |   3.301966    .462099     7.15   0.000      2.39565    4.208283
          h_2 |   .3417265   .6047157     0.57   0.572    -.8443045    1.527758
```

```
          h_3 |   .9505987   .5888208     1.61   0.107    -.2042576    2.105455
          h_4 |   1.485971   .5921445     2.51   0.012     .3245954    2.647346
          h_5 |   1.969908   .6044823     3.26   0.001     .7843345    3.155481
living_w_part |   .5012946    .121553     4.12   0.000     .2628922     .739697
    r_sclmeet |   .1494538   .0375915     3.98   0.000     .0757254    .2231822
     r_rlgdgr |   .1396385   .0210555     6.63   0.000     .0983422    .1809349
    r_ppltrst |   .0534969    .023253     2.30   0.022     .0078907    .0991031
    r_pplfair |   .0783139   .0254373     3.08   0.002     .0284237    .1282042
     r_pplhlp |   .0087164   .0239633     0.36   0.716     -.038283    .0557157
        _cons |   1.483114   .7812668     1.90   0.058    -.0491874    3.015416
------------------------------------------------------------------------------

. linktest
(running regress on estimation sample)

Survey: Linear regression

Number of strata   =         1                  Number of obs      =      1773
Number of PSUs     =      1773                  Population size    = 1770.8129
                                                 Design df          =      1772
                                                 F(   2,   1771)    =    231.45
                                                 Prob > F           =    0.0000
                                                 R-squared          =    0.2382

------------------------------------------------------------------------------
             |             Linearized
   r_stflife |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
        _hat |   1.562037   .5347276     2.92   0.004     .5132742      2.6108
      _hatsq |  -.0418782   .0376143    -1.11   0.266    -.1156513     .031895
       _cons |  -1.827938   1.876209    -0.97   0.330    -5.507753    1.851877
------------------------------------------------------------------------------

.
. svy, subpop(female): regress r_stflife age28_39 age40_54 age55_64 age65_up female r_eduyr incfeel_2
incfeel_3 incfeel_4 h_2 h_3 h_4 h_5 living_w_part r_sclmeet
> r_rlgdgr r_ppltrst r_pplfair r_pplhlp
(running regress on estimation sample)

Survey: Linear regression

Number of strata   =         1                  Number of obs      =      1835
Number of PSUs     =      1835                  Population size    = 1832.2011
                                                 Subpop. no. of obs =       926
                                                 Subpop. size       =  942.5124
                                                 Design df          =      1834
                                                 F(  18,   1817)    =     15.92
                                                 Prob > F           =    0.0000
                                                 R-squared          =    0.2602

------------------------------------------------------------------------------
             |             Linearized
    r_stflife |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
--------------+----------------------------------------------------------------
     age28_39 |  -.3446435   .2257542    -1.53   0.127    -.7874058    .0981187
     age40_54 |  -.3994219   .2254253    -1.77   0.077    -.8415391    .0426953
     age55_64 |  -.2244424      .2215    -1.01   0.311    -.6588611    .2099763
     age65_up |   .3892242   .2414523     1.61   0.107    -.0843262    .8627746
       female |           0  (omitted)
      r_eduyrs |  -.0261308   .0218487    -1.20   0.232    -.0689818    .0167202
    incfeel_2 |   1.946134   .6183948     3.15   0.002      .733302    3.158966
    incfeel_3 |   2.924342   .6200938     4.72   0.000     1.708178    4.140506
    incfeel_4 |   3.708152   .6427377     5.77   0.000     2.447577    4.968726
          h_2 |   .5047329   .5995551     0.84   0.400    -.6711495    1.680615
          h_3 |   .9238174   .5791369     1.60   0.111    -.2120196    2.059654
          h_4 |   1.460983   .5838862     2.50   0.012     .3158312    2.606134
          h_5 |   2.060363   .5950081     3.46   0.001     .8933983    3.227328
living_w_part |   .3709445   .1557248     2.38   0.017      .065528     .676361
    r_sclmeet |   .1003609   .0486576     2.06   0.039     .0049307    .1957911
     r_rlgdgr |   .1181255   .0302287     3.91   0.000     .0588391    .1774118
    r_ppltrst |   .0805012   .0308961     2.61   0.009     .0199059    .1410964
    r_pplfair |   .0518334   .0331687     1.56   0.118    -.0132191    .1168859
     r_pplhlp |   .0239007   .0316724     0.75   0.451     -.038217    .0860185
        _cons |   1.576329   .8403128     1.88   0.061    -.0717417    3.224399
------------------------------------------------------------------------------

. predict poo, r
(125 missing values generated)

. sktest poo

                    Skewness/Kurtosis tests for Normality
                                                       ------- joint ------
    Variable |    Obs   Pr(Skewness)   Pr(Kurtosis)  adj chi2(2)    Prob>chi2
-------------+-----------------------------------------------------------------
         poo |   1.8e+03   0.0000         0.0000        62.50         0.0000

.
```

```
. ***LIFE SATISFACTION, INDIVIDUAL ADEQUACY OF INCOME USED, OVER***
.
end of do-file

. log close
      name:  <unnamed>
       log:  N:\QuantMeth\mylog.log
  log type:  text
 closed on:  30 Apr 2015, 06:35:54
-------------------------------------------------------------------------------------------------------------------
-------------------------------------------------------
```