ABSTRACT

Factors Affecting Positive Expectations of Social Mobility Opportunities: A Cross-Sectional Analysis

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Positive perceptions of an individual's or family's social mobility opportunities can be influenced by a variety of factors. In this study, the point of interest is the *positive perception* of social mobility opportunities rather than the *actual* social mobility potential, which has been the focus of many other analyses. We measure the effects of both Institutional level country differences and Individual level characteristics to study their effects on the overall positivity levels within given years and countries. We find that Institutional level factors such as unemployment rates and GDP per capita are, unsurprisingly, influential factors that detract from and contribute to positivity, respectively. The most influential institutional variable is the presence of a recent major economic or political shock. On the individual level, we find that a person's self-reported social position is the most influential factor for their positivity. While this study is not allencompassing due to limited data, it does present some unexpected results that indicate the fruitfulness of further research into the subject.

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Factors Affecting Positive Expectations for Social Mobility Opportunities:

A Cross-Sectional Analysis

A Thesis Submitted to the Faculty of Baylor University In the Partial Fulfillment of the Requirements of the Honors Program

By

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Lastly, I would like to thank the International Social Survey Programme for allowing me to use their Social Inequality Survey data in this project.

DEDICATION

To my parents, Bill and Lupita Winters, for their continued support throughout my life and academic career, and to my sister, Katie Winters, for her excellent example

CHAPTER ONE

Introduction and Literature Review

Upward social mobility is defined as the movement of individuals and families from lower socioeconomic situations to higher ones. In a narrow sense it is related to household income. If the possibility of social mobility provides an incentive for quality work and high achievement, then perceptions about opportunities for such mobility are of great importance. Someone who has a positive outlook on their social mobility opportunities will see upward mobility as a viable incentive for their increased efforts and innovation, whereas someone with a negative outlook on their opportunities will not. The overall possibility of improving one's standard of living may serve as an incentive for the general population, reinforcing the importance of job-specific productivity incentives. So it is useful, on a broad level, to understand whether the possibility of social mobility is functioning properly as an incentive. In order to do so, however, one must first identify whether the population considers upward mobility to be an attainable incentive, and what determines that perception. This study hopes to identify some of the factors that influence positive perceptions of social mobility. We begin with an overview of the economic and sociological literature regarding social mobility, and then explore some of the related literature from human resource management. With that background, we perform our own empirical analysis. Our data and methods are described in Chapter 2, results are presented in Chapter 3, and Chapter 4 concludes.

Literature Review

Clark et al. (2014) develops what they coin the "Law of Social Mobility" which suggests that those achieving exceptionally high social status, and conversely, exceptionally low status, will gradually return to the mean of society over the course of generations. Individual families may take very sporadic and disorganized paths around the mean, but the average effect remains. This pattern however, does not occur for lack of effort. Despite the best efforts of parents to provide their children with the best education, most resources, and best training, social status is largely inherited and regresses back toward the mean over time.

This pattern, if fully understood, could heavily influence people's perceptions of mobility opportunities. It could serve as a source of optimism for people in the lower and middle classes, and could cause a sense of complacency or fear among people in the upper class. However, this still provides support for the idea that social mobility opportunities can act as an incentive for labor market participants and lead to economic growth, especially in developing countries. As Mankiw's 4th principle of Economics states: People respond to Incentives (Mankiw 2014). For those unwilling to take his word for it, a number of experimental studies have found evidence that people are indeed induced to work harder/better by performance-based pay (Cadsby et al. 2017 and Camerer & Hogarth 1999). As such, it is important to understand how to put these incentives in place for their effects to be meaningful in country- and even global-level economic development.

Numerous studies have attempted to design the best model of social mobility. McClendon (1977) argues that the "study of vertical social mobility has suffered from overreliance on

occupational mobility tables, from underutilization of occupational status scales and from failure to conceptualize social mobility as relative mobility". Similar arguments have been made that social mobility should be broken into varying categories of absolute mobility, exchange mobility and structural mobility in order to study its determinants more specifically. Much of the debate in centered on which type of mobility should be the focus, which type is most significant, and how these should be measured and tested (Breen & Whelan 1985, Hauser 1984, Hope 1981, Wong 1992). However, most of this prior research deals only with measures of actual social mobility. We, instead, choose to focus on individual's perceptions of social mobility. More specifically, their perceptions of their opportunities for social mobility in their lifetime – a forward-looking, rather than historical analysis approach.

Very little work has been performed in this sub-field of research and we could not find a single study that attempted to find determinants of people's expectations regarding their social mobility prospects. Even research that focuses on policy implications uses historical measures of social mobility as the standard variables of interest. In fact, one such paper explicitly mentions this lack of research stating, "It seems, however, also reasonable to think that perceptions are formed at a macro-level by the institutional characteristics of labor markets and culture. An interesting avenue for future research will be to investigate the institutional factors that co-vary with subjective perception of mobility, and to develop a model that can explain the formation of mobility perceptions" (Dorsch 2010). Part of this, studying the effect of institutional factors on positivity levels regarding mobility opportunities, is exactly the gap that our study aims to fill. Kaldaru and Parts (2008) study the effect of social capital at micro- and macro- economic levels. Their results indicate a

significant and positive relationship between macro-level variables (such as institutions, legal systems, and governmental roles in production) and economic development. When working with perceptions, however, there are struggles. For example, there could be some instances of endogeneity issues where countries with higher social mobility expectations will form policies that also promote those goals. Miller mentions that "as Mannheim developed Marx's interest in the class bias of ideology into a specification of influence other than class on beliefs, the concern with the influence of mobility on class consciousness has spread to study of its effects on authoritarian attitudes, on educational outlook, etc." This indicates there could be a recursive relationship between determinants and outcomes.

In a 2011 paper, Polel and Casale look at the difference between perceived social standing versus actual position on the income distribution of individuals in South Africa and how this self-induced measure effects their subjective well-being. While similar in nature to our study, they focus on the development and effects of such self-classification (specifically life satisfaction) while we are interested in social mobility expectations — using subjective social level as a determining factor among others. They conclude that subjective social standing tends to be quite different from actual social standing (based on income distributions) and that past achievement (perceived upward mobility) has a greater impact on life satisfaction than expectations about future mobility. That said, those who perceived themselves to have made it higher up the social ladder generally had greater life satisfaction which helps to validate the merits of our research into promoting social mobility through positivity about opportunities.

Mitra and Tsujita (2015) study more individual-level characteristics that could influence social mobility among inhabitants of the Delhi Slums. Such characteristics as gender, marital status, age, income, household savings and neighborhood spillover effects are tested and their findings include a strong case for education as a determining factor of mobility as well as some biases toward gender and caste. They also find an effect of those with lower income levels having more mobility to realize their expected income as opposed to those of higher income levels experiencing a cap on their realizable income, a similar effect to our findings later on. Li and Singelmann (1998) compare gender differences in social mobility for Sweden, Germany and the US. The study begins by outlining various historical/institutional factors of each country that could contribute to potential gender disparities and they conclude that in all three countries there is less upward intergenerational mobility for women but significantly more upward mobility for married women in Sweden and Germany. In a continuation of individual-level factors, Wong (1992) studies both vertical and non-vertical social mobility with the operating characteristic of the non-vertical portion being self-employment (as an indicator of capital ownership). The argument, and results, indicate that such non-vertical factors are equally important to vertical mobility which in turn indicates that, in our study, self-employment should be an influential factor for increasing individual positivity.

It is not surprising that a major factor discussed in the literature is educational attainment. The idea that higher levels of education will open more doors to an individual in the future leads directly to opportunities for social advancement. In the United States, Pfeffer and Hertel (2015) "find a slow but steady increase in mobility across cohorts born throughout the first eight decades of the 20th century" and "the mobility-inducing effects of

educational expansion are nearly entirely accounted for by the compositional effect (the fact that the direct link between social origins and destinations is severed among those who attain a college degree); Because educational expansion has increased the share of the population with college degrees, its effects on mobility has been positive. In contrast, educational expansion did not contribute to higher rates of social class mobility by equalizing educational outcomes". A similar educational disparity is found in Bukodi's (2017) study of a particular British birth cohort. Members of the "managerial and professional" social level benefit most from continued education such as vocational training later in life. However, the benefit serves mostly to maintain current status by updating qualifications or improve it within their current social level if they started out their careers in a lower segment of the class than their parents due to poor academic performance. These two studies together seem to indicate that more education does not necessarily increase an individual's chances for social mobility but rather helps to protect them from downward mobility by keeping them on equal footing with their peers (as measured by other socioeconomic factors).

More on the perception level, research has shown the strong impact of expectations, as well as the method by which expectations are developed, on individuals' educational planning and decision making. "Recent attempts to raise aspirations and encourage young people to change their habitus and ways of hoping towards university has focused too much on targeting the individual and blaming them for education failure and lack of social mobility. Such intervention is only part of the solution and will not necessarily provide the wholescale change needed to help young people achieve their desired outcomes and the social mobility promised to them" (Grant 2016). This reiterates the idea that perception

positivity is formed by the environment in which one grows up as well as a significant degree of risk aversion when setting goals for educational attainment and career achievement. In a related study, Kearny and Levine (2017) produce results indicating that income inequality and low social mobility rates decrease perceived return on investment in education for individuals of lower socioeconomic backgrounds and subsequently offsets educational aspirations and increases high school dropout rates.

Similar effects are seen in immigrant populations as well with effects being compounded through each additional step upward. One such study states, "The multiplier effect becomes visible in two ways: (1) successful children of immigrants take more advantage of opportunities in education and on the labour market than their peers of native descent, and (2) there is an exponential effect on successful children of immigrants because moving into new socioeconomic circles offers them opportunities that were previously unavailable... Chances must be actively pursued and social contacts sought out." (Crul et al. 2017) These results indicate that ambition and internal drive may be more important than institutional factors or systems in high-success cases of immigrant social mobility; further emphasizing the need for positive outlooks on mobility opportunities in order to spur on this ambition.

Avraamova et al. (2005) "found a definite correlation between a family's resource potential, accessibility to an institution of higher learning, and the prospects opened by an education that is provided there. The larger a family's resources, the greater the chances are that the children will be able to acquire an education that is in demand in today's labor market and that provides clear material and social prospects." In a follow up study, Avraamova (2010) studies the educational attainment goals of Russian students (and their

parents) in regard to expected career aspirations. Specifically, the study found a strong connection between career prospect outlooks of students and their plans to strive for higher education. Avraamova notes that this is an issue when such connection-based planning does not account for changing economic environments or labor markets. We can observe these effects in America over the past few decades with Bachelor's degrees becoming less viable as a signal to employers and gradually taking the place of high school diplomas and equivalents as the minimum education standard for middle class jobs.

Following college there is potential for further constraints to career and thus social advancement. In their study of career development barriers perceived by US college students, Swanson and Tokar (1991) found that interactional barriers were more frequent than attitudinal ones which were more frequent than social/interpersonal barriers. However, none of the categories (including gender) appeared as consistently perceived barriers among their subjects.

Finally, although the literature on perceptions of opportunities or barriers to social mobility is virtually non-existent, there is a related body of research regarding perceptions of corporate advancement opportunities which could be considered a microcosm of social mobility. In a study of corporate hierarchical structure, "results indicated that both types of plateauing were related to support from top management, career planning, job involvement, and education level. Furthermore, career exploration, motivation to learn, organizational tenure, and job tenure were related to perceptions of hierarchical plateauing, while supervisor support was related to job content plateauing." (Allen et al. 1999) Furthermore, Noe et al. (1988) found that employees who had higher job satisfaction were less inclined to search for and subsequently accept career mobility opportunities within

their organizations. They also found no relationship between spouse's employment status and willingness to accept mobility opportunities but question this relationship's credibility due to lack of information regarding the job types held by spouses. These studies further emphasize the importance of structurally arranged advancement opportunities as well as personal development for obtaining confidence in one's ability to move up the corporate (and hopefully social) ladder.

CHAPTER TWO

Methods and Materials

As mentioned in the literature review, the lack of studies regarding the *perceptions* of social mobility opportunities unfortunately means that very limited data are available for analysis¹. Therefore, in this study, our key measure of perception is drawn from this question in the Social Inequality Survey of the International Social Survey Program:

The way things are in [respondent's country], people like me and my family have a good chance of improving our standard of living.

Responses to this question were recorded on a scale from "strongly agree" to "strongly disagree" (1-5). While the phrase "standard of living" does not necessarily equate to "social position", the sentiment of the statement indicates a general positivity level regarding opportunities for advancement. Arguments could be made that anyone at the "top" level of their perceived social hierarchy may answer neutrally or negatively due to a lack of upward opportunities, but maintaining one's social position or increasing one's resources/influence may still warrant positive responses. That said, current social position of the respondents was also controlled for in the Individual Level Factors portion of Chapter 3.

Lack of relevant data is also the major limitation to this study's time frame. The Social Inequality Survey was collected only in 1987, 1992, 1999, and 2009, and our key question

¹ Some of the data being tested for Institutional-level variables was filled in separately from the original study data with information taken from various sources but mostly from the CIA World Factbook of 1987 and 1992.

was included only in the 1987 and 1992 surveys. We attempted to construct a proxy variable, based on a subset of related questions that appeared in all of the waves of the survey, but none of the variables – or reasonable combinations of them – proved to be sufficient indicators of mobility perceptions. Of course, this could be a basis for further study, but for now it only serves to limit the scope of our analysis.

Moreover, the 1987 round of the survey included only 10 countries – the smallest of the four rounds – and the 1992 round included only 18. For 1987, we dropped Poland from our analysis, because our key variable question was missing in that year, but was present in the 1992 data analysis. The 1992 dataset has a different set of variables, labels, and nuances, but most of the 1987 variables had at least one equivalent variable in the second round of the survey.

For the sake of clarity, we have coded equivalent variables with the same labels in our regression output tables². We performed Cross-Sectional statistical methods rather than panel or time-series methods, because our data are not true longitudinal panels – the surveys were conducted in each country and year with a different representative sample of the population. For each year (1987 and 1992), we performed a cross-country regression at the aggregate level to test for the influence of institutional factors on aggregate levels of positive expectations. For each country and year, at the individual respondent level, we tested for the influence of individual characteristics on individual levels of positive expectations.

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² For example, v65 asks the respondents to provide their subjective social position in the 1987 survey. In the 1992 survey, the same question was asked and the answers recorded under variable v73. In this study's regression tables, both variables' coefficients are listed in the row labeled "Social Position"

CHAPTER THREE

Results

We begin by analyzing the two datasets separately. The following two tables display the summary statistics for our variable of interest – the level of positivity regarding social mobility opportunities (labeled v17).

Summary of Positivity Levels Overall:

| IM | | Summary TANDA | of RD OF LIV | 'ING | |
|----------|--------|------------------|-----------------|------|-----|
| Variable | Obs | Mean | Std.Dev. | Min | Max |
| v17 | 12,266 | 2.780 | 1.048 | 1 | 5 |

Summary of Positivity Levels by Country:

| | Sum | mary of | |
|---------|-------------|-------------|--------|
| | IMPROVE LIV | ING-STANDAI | RD |
| Country | Mean | Std.Dev. | Freq. |
| AU | 2.439 | 0.951 | 1,582 |
| DE (W) | 2.924 | 1.036 | 1,250 |
| GB | 2.953 | 0.990 | 1,167 |
| US | 2.231 | 0.922 | 1,509 |
| AT | 2.825 | 1.036 | 895 |
| HU | 3.032 | 1.084 | 2,509 |
| NL | 3.154 | 0.938 | 1,420 |
| IT | 2.866 | 1.144 | 988 |
| CH | 2.461 | 0.840 | 946 |
| Total | 2.780 | 1.048 | 12,266 |

1992

Summary of Positivity Levels Overall:

| IN | MPROVE S | Summar STAND <i>A</i> | y of ARD OF LIV | /ING | |
|----------|----------|--------------------------|--------------------|------|-----|
| Variable | Obs | Mean | Std.Dev. | Min | Max |
| v17 | 21,970 | 3.142 | 1.139 | 1 | 5 |

Summary of Positivity Levels by Country:

| | Sum | mary of | |
|---------|--------------|-----------------|--------|
| | IMPROVE STAN | IDARD OF LIVING | |
| Country | Mean | Std.Dev. | Freq. |
| AU | 2.656 | 0.963 | 2,065 |
| DE (W) | 3.025 | 0.989 | 2,031 |
| DE (E) | 3.026 | 1.054 | 991 |
| GB | 3.175 | 1.046 | 1,033 |
| US | 2.647 | 1.069 | 1,235 |
| AT | 2.643 | 0.989 | 958 |
| HU | 3.809 | 1.005 | 1,231 |
| IT | 2.920 | 1.117 | 972 |
| NO | 3.090 | 0.939 | 1,450 |
| SE | 3.176 | 0.882 | 693 |
| CZ | 3.223 | 1.192 | 1,062 |
| SI | 3.520 | 1.019 | 965 |
| PL | 3.891 | 1.017 | 1,370 |
| BG | 3.612 | 1.348 | 1,024 |
| RU | 3.707 | 1.244 | 1,525 |
| NZ | 3.312 | 1.099 | 1,206 |
| CA | 3.029 | 1.102 | 961 |
| PN | 2.256 | 0.774 | 1,198 |
| Total | 3.142 | 1.139 | 21,970 |

By a simple inspection, we can see that there is very little variation between the countries in both rounds of the survey – with the response averages hovering between 2 and 4

(spanning the responses of agree – neither agree nor disagree – disagree). Taking this into account, we then standardize this variable both at a data-wide level (z17) and the country-specific level (z17_c) for subsequent regressions. In line with expectations, Hungary (under communist control in 1987) has one of the most negative outlooks in the first survey round. However, Hungary is surpassed in negativity by Norway in round one and their negativity levels actually increase in the second round (+.777) when it has transitioned to a free-market parliamentary democracy. While the US has the most positive outlook in 1987, their positivity level also declines in 1992 and is surpassed by Austria and the Philippines.

It is also clear from these preliminary checks that there is an overall decline (-.36) in positivity levels from 1987 to 1992, so a portion of our further analysis will attempt to determine the cause of this change.

Institutional Level Factors

The initial test, which was the inspiration for this study, is a comparison between the standardized levels of positivity regarding social mobility opportunities and various institutional level factors surrounding life in various countries. To begin, institutional level contributors to a populace's perceptions of opportunities include the following:

Style of Government – this may serve as an indicator of public representation and ability to influence country-level affairs. The government types were broken into Republic, Constitutional Monarchy, Communist, and Democratic. This variable also includes economy-type effects as the only communist government/economy in either dataset is Hungary 1987 while the rest are all market-style.

Unemployment (Percentage)³ – if relatively high, this could indicate a sense of discomfort and uncertainty in job markets and cause more negative perceptions of mobility opportunities

Life Expectancy – countries with higher life expectancies are often more developed and have higher standards of living. Having a higher life expectancy and thus longer working life could also increase the perception of mobility opportunities.

Literacy Rates (percentage) – higher literacy rates can indicate higher levels of educational attainment, and the ability to read and write often facilitates better employment opportunities and thus more chances for mobility.

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³ The variables for Unemployment, Life Expectancy, Literacy rates and GDP per Capita are standardized as well.

GDP per Capita – this average often indicates the general standard of living within a country (although it is not generally a valid indicator of resource distribution) and therefore may influence individual's ability to focus on pursuing social mobility opportunities.

Dominant Religion – this factor potentially influences overall positivity and life satisfaction and therefore could have an impact on perceptions of returns to work ethic or sense of control in one's own life situation. "Majority" in this case is meant to indicate that the religion has the largest number of adherents in the country, not that the majority of the population is a member of that particular denomination. The categories are Catholic, Protestant, and Orthodox, and these cover the major religions of all participating countries.

Shock – In our analysis of the 1992 data, we added an additional dummy variable to account for major changes in political or economic situation of a given country that may strongly impact the perceptions of available opportunities (e.g. Reunification of Germany, dissolution of the Soviet Union, Independence, natural disasters, etc.).

Table 1 displays our comparison of the impacts of institutional factors in 1987 (1) and 1992 (2). The third regression (3) includes the Shock variable to explore whether the changes found in (2) are likely due to a major institutional change within a country rather than a decline across the board. While many of the significant variables remain the same between (1) and (2), the Shock variable in (3) becomes by far the most impactful factor. The majority of the institutional shocks were political and often presumed positive (e.g. German Reunification, Dissolution of the Soviet Union, Slovenian Independence, reinstitution or first institution of Free Elections (x2), and removal of communist influence (x3)) but the effect of the shock variable is positive which indicates that it lowered the sense of positivity about social mobility opportunities. There was a single instance of a strictly negative shock occurring in the Philippines which was a volcanic eruption that effected 2.1 million people and had a death toll of 487. Regression (4) is identical to regression (3) while eliminating the Philippines from the dataset in order to control for the negative shock but the coefficient remains significant and positive, albeit smaller in magnitude. The addition of the Shock variable to the regression of the entire dataset also dramatically increases the importance of life expectancy in 1992 (from insignificant in (2) to significant at the 1% level in (3)) and vastly diminishes the error constant to the point where it is insignificant even at the 10% level.

Outside of the Shock variable, nearly all the potential factors prove significant at the 1% level, although the effect is diminished by inclusion of the shock variable in some cases. The economic factor results are as expected with higher unemployment leading to more

negative outlooks and higher GDP per capita increasing positivity. Interestingly, and a bit counterintuitively, higher literacy rates appear to contribute significantly to lower positivity levels, and the effect is insignificant in (4) when the Philippines is removed. Higher Life Expectancy contributes to positivity only when the shock variable is not included in the regression.

Regression Table 1 - Institutional

| | (1) | (2) | (3) | (4) |
|-----------------|-----------|-----------|-----------|-----------|
| VARIABLES | 1987 | 1992a | 1992b | 1992c |
| | | | | |
| Republic | -0.214*** | -0.281*** | -0.0513** | 0.155*** |
| - | (0.0491) | (0.0247) | (0.0255) | (0.0275) |
| Monarchy | -0.277*** | -0.765*** | -0.118*** | 0.219*** |
| | (0.0667) | (0.0297) | (0.0371) | (0.0406) |
| Catholic | 0.260*** | -0.720*** | -0.671*** | -0.299*** |
| | (0.0399) | (0.0230) | (0.0226) | (0.0290) |
| Protestant | | -0.280*** | -0.122*** | 0.162*** |
| | | (0.0231) | (0.0233) | (0.0272) |
| Literacy Rate | 0.102*** | 0.290*** | 0.202*** | 0.0125 |
| | (0.0211) | (0.0169) | (0.0169) | (0.0193) |
| Life Expectancy | -0.0376* | -0.0138 | 0.206*** | -0.0221 |
| | (0.0212) | (0.0164) | (0.0179) | (0.0211) |
| Unemployment | 0.180*** | 0.207*** | 0.0980*** | 0.0255* |
| | (0.0173) | (0.0139) | (0.0142) | (0.0147) |
| GDP per Capita | -0.170*** | -0.164*** | -0.317*** | -0.334*** |
| | (0.0340) | (0.0162) | (0.0168) | (0.0169) |
| Shock | | | 0.666*** | 0.465*** |
| | | | (0.0235) | (0.0255) |
| Constant | 0.387*** | 0.770*** | 0.000882 | -0.280*** |
| | (0.102) | (0.0293) | (0.0396) | (0.0420) |
| Observations | 12,266 | 21,970 | 21,970 | 20,772 |
| R-squared | 0.085 | 0.089 | 0.121 | 0.110 |

Standard errors in parentheses *** p<0.01, ** p<0.05, * p<0.1

Individual Level Factors

Our second round of analysis examined the influence of individual respondent characteristics on their positivity levels. It is particularly helpful to study this subject at the individual level, because variations in many of the institutional factors were quite limited at the national levels. The individual factors taken into account in the following regressions are:

Subjective Social Level – This (standardized) measure is broken into three sub-variables due to differences in the surveys, themselves. In 1987, respondents are asked to provide their subjective social position and their subjective social class as they picture themselves within their society's socioeconomic hierarchy. In 1992, responses for both "Social Position" and "Social Class" are requested with the addition (in select countries) of selecting a section within a diagram that best depicts their social position. We gave this last measure the title, "Social Position Diagram." Measures of current social position are especially useful in analyzing the impact of current perceived social status on prospects for improvement in status, because lower-class individuals may have more positive expectations because of their higher growth potential, while upper-class individuals may feel that they have a "capped" mobility potential.

Employment – This is a dummy variable to indicate the current employment status of each individual, condensed from a multi-option "current employment status" variable in the dataset. Anyone who responded "full-time" or "part-time" is considered employed

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⁴ The scales for Subjective "Social Position", "Social Class", and "Social Position Diagram" are Top = 1 to Bottom = 10, Lower = 1 to Upper = 6, and Top = 1 to Bottom = 7, respectively and all three variables are standardized for magnitude comparisons

(empl = 1) and all others are considered to be unemployed. The hypothesis is that employed individuals would be more positive about mobility opportunities than those who are unemployed.

Self Employed – This is another dummy variable indicating whether an individual is currently self-employed or working for another individual/company. The idea behind this variable's inclusion is that self-employment can grant individuals higher levels of perceived agency in their careers and thus possibly higher positivity regarding potential mobility opportunities.

Male – In order to test for potential gender inequality impacts, a dummy variable for male is included in the regression as well.

Married – The dual hypothesis for this variable's inclusion is that marriage may provide a certain level of stability for individuals that increases positivity levels or perhaps act as a stumbling block for finding and acting upon advancement opportunities in the individual's life or career that would decrease positivity levels. This dummy variable was condensed from the survey question regarding "current marriage status" where a respondent is considered "married" if they responded accordingly and "unmarried" otherwise (e.g. divorced, widowed, never married, etc.).

Union – This variable explores the impact of union membership on social mobility expectations.

Church Attendance – Especially in countries with high average levels of religious adherence, frequency of church attendance could be beneficial emotionally or for one's reputation and therefore increase positivity.

 Age^5 – Our hypothesis for this variable is that age will be negatively correlated with positivity levels, because older individuals may feel that they have less time remaining for upward mobility.

Years in School⁶ – Logically, higher educational attainment should lead to greater social mobility potential.

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⁵ Age is left out of Italy's regression for clarity of interpretation in 1992 because the survey recorded responses in age brackets rather than simply reporting the respondent's age.

⁶ The response code for "Still in School" was "95" so those observations with "95" as a response were dropped from the sample to avoid outlier effects. Similarly to age, Italy's survey recorded educational attainment in brackets rather than by years and was subsequently left out of the regression for clarity of interpretation.

The broad-level analysis of individual factors affecting positivity in a pool of all countries, presented in Table 2, reveals some interesting results. Spanning both years of the survey, subjective Social Position (as well as the Social Position Diagram variable in 1992) and, to a much lesser extent, Social Class, are highly significant. Social Position and the corresponding Diagram in 1992 have positive coefficients. This indicates that positivity regarding mobility opportunities decreases as a person's social position rises. As we stated earlier in the paper, this could be evidence of a perceived social advancement "cap" for those already in higher levels of their society. Conversely, there will be higher levels of positivity within lower social ranks where there is more room for growth. In this broad study, Social Class contributes positively to positivity which seems incongruous with the Social Position results.

Employment has the largest coefficient of all in 1987 (-0.339) but this effect drops sharply in 1992 (-0.061), although it remains significant and continues to improve positivity levels. Similarly, Union membership is significant in both years but with a different sign (0.0748 in 1987 vs -0.0589 in 1992). Males are more positivity prone in both rounds with the effect being greater in 1992. Unmarried people have a slight positivity advantage in 1992 but the result is only slightly significant. Age is significant in 1987 only, with the result being that older respondents have lower positivity levels than younger ones. This follows, as we suggested, logically from the fact that younger people having more time remaining in their lives to improve their situations. Church Attendance is slightly significant in round one but drops below the threshold in round two.

 $Regression \ Table \ 2-Individual \ All \ Countries$

| | (1) | (2) |
|-----------------|------------|------------|
| VARIABLES | z17 (1987) | z17 (1992) |
| | | |
| Social Position | 0.177*** | 0.0988*** |
| | (0.0162) | (0.0163) |
| Employed | -0.339*** | -0.0610** |
| | (0.0765) | (0.0304) |
| Self Employed | -0.0584 | -0.0403 |
| | (0.0422) | (0.0472) |
| Male | -0.116*** | -0.154*** |
| | (0.0283) | (0.0261) |
| Married | 0.00704 | 0.0553* |
| | (0.0299) | (0.0294) |
| Union | 0.0748** | -0.0589** |
| | (0.0296) | (0.0294) |
| Age | 0.0543*** | 0.00815 |
| | (0.0198) | (0.0147) |
| Church Atten. | 0.0243* | -0.0165 |
| | (0.0142) | (0.0131) |
| Years in School | 0.000445 | 0.0390** |
| | (0.0161) | (0.0155) |
| Social Class | -0.0852*** | -0.0513*** |
| | (0.0160) | (0.0149) |
| Soc. Pos. | | 0.138*** |
| Diagram | | |
| | | (0.0159) |
| Constant | 0.248*** | 0.208*** |
| | (0.0783) | (0.0301) |
| | 4 = 2 0 | |
| Observations | 4,730 | 5,744 |
| R-squared | 0.065 | 0.064 |

Standard errors in parentheses
*** p<0.01, ** p<0.05, * p<0.1

Regression Table 3 contains the 1987 country-specific regressions of individual-level positivity factors while the 1992 regressions are broken up into Tables 4 and 5. The only variable that is significant for all participating countries (with the exception of Norway in 1992) is the measure of the respondents' Social Position (as well as the Social Position Diagram in those countries that responded in 1992 – including Norway). The coefficients in 1987 range from 0.137 (Great Britain) to 0.297 (The Netherlands). In 1992, the range is from 0.0854 (Philippines) at the lowest to 0.313 (West Germany), all of which are positive – affirming again the mobility cap hypothesis. Employment is significant in four of the 1987 countries, most notably West Germany and the Netherlands and six of the 1992, the strongest significance being in West Germany again. Being Self-Employed is significant in five of the 1987 countries, and five of the 1992 countries: although not necessarily the same ones as for Employment. The strongest significances are found for Austria in 1987 and Russia in 1992. A reasonable explanation for these phenomena could be that having a job provides a sense of financial security and thus confidence in one's potential for career and social advancement. Similarly, self-employment allows for greater control and flexibility in one's work and lifestyle which potentially fosters more positivity about the future.

There is a statistically significant (p<0.01), gender disparity in the Netherlands (1987) and in Austria, East Germany, the US, Czechoslovakia, Great Britain, and Russia (all 1992), with males being more positive about their mobility opportunities. The "Male" variable is also significant in a number of other countries, but to a lesser degree. In Great Britain and

Hungary in 1987, Union Membership seems to significantly reduce positivity levels, possibly indicating the ineffectiveness of unions in providing worker protections and opportunities. In Russia and New Zealand during 1992, however, Union Membership increases positivity levels; perhaps indicating the presence of more effective union systems. Church Attendance's effect is only strongly significant (p<0.01) in Austria during 1987 and the US in 1992. Contrary to our initial hypothesis, this variable lowers positivity levels to a fairly strong degree in both cases. Another surprising result is that educational attainment (as described by years spent in school) is only a significant factor in Hungary (1987), East Germany (1992), and the United States (1992) with its very small effect actually being detriment to positivity in two out of the three cases. This matches up with some of the literature that indicates educational quality is much more important than quantity, if it happens to affect mobility at all.

Regression Table 3 - Individual by Country 1987

| | (1) | (2) | (3) | (4) | (5) | (9) | (7) | (8) | (6) |
|-----------------|-----------|-----------|-----------|--------------------------------|-------------|----------|-----------|----------|-----------|
| VARIABLES | AU | DE (W) | GB | SI | AT | HU | N. | II | CH |
| Social Position | 0.211*** | 0.195*** | 0.137** | 0.213*** | 0.161*** | 0.198*** | 0.297*** | 0.167*** | 0.147*** |
| | (0.0396) | (0.0533) | (0.0618) | (0.0362) | (0.0500) | (0.0257) | (0.0533) | (0.0498) | (0.0499) |
| Employed | 0.516** | -0.749*** | -0.106 | -0.190 | -0.482* | , | -0.581*** | , | 0.302 |
| | (0.207) | (0.214) | (0.180) | (0.181) | (0.255) | | (0.173) | | (0.585) |
| Self Employed | -0.443** | -0.0165 | -0.227 | -0.204** | 0.673*** | -0.304** | -0.298** | -0.114 | -0.0452 |
| • | (0.178) | (0.166) | (0.207) | (0.0968) | (0.135) | (0.132) | (0.121) | (0.113) | (0.100) |
| Male | -0.0527 | -0.205** | -0.109 | -0.129** | -0.0933 | 0.0788* | -0.359*** | -0.223** | -0.132 |
| | (0.0699) | (0.0993) | (0.0971) | (0.0628) | (0.0906) | (0.0467) | (0.0813) | (0.0946) | (0.103) |
| Married | 0.0128 | -0.188* | 0.0386 | -0.0808 | -0.300*** | 0.00496 | 0.128 | 0.160 | -0.273*** |
| | (0.0723) | (0.104) | (0.120) | (0.0635) | (0.0980) | (0.0575) | (0.0876) | (0.0975) | (0.103) |
| Union | -0.0295 | 0.111 | 0.364*** | 0.104 | -0.0980 | 0.129** | -0.0746 | 0.0478 | -0.00348 |
| | (0.0714) | (0.101) | (0.0980) | (0.0829) | (0.0958) | (0.0534) | (0.0839) | (0.0999) | (0.0863) |
| Age | 0.0270 | -0.0523 | -0.0112 | -0.0405 | 0.240*** | -0.0359 | 0.318*** | | 0.111* |
| | (0.0488) | (0.0723) | (0.0736) | (0.0452) | (0.0638) | (0.0374) | (0.0609) | | (0.0607) |
| Church Attend. | 0.00533 | 0.0302 | 0.0429 | 0.0205 | 0.133*** | | -0.0110 | 0.0777* | -0.0584 |
| | (0.0369) | (0.0505) | (0.0507) | (0.0319) | (0.0471) | | (0.0401) | (0.0444) | (0.0442) |
| Years in School | 0.0389 | 0.223 | 0.436 | 0.0267 | 0.0202 | 0.230*** | 0.0594 | | -0.0396 |
| | (0.0387) | (0.162) | (0.352) | (0.0381) | (0.0469) | (0.0263) | (0.0407) | | (0.0420) |
| Social Class | -0.131*** | -0.122** | -0.221*** | -0.114*** | -0.0893* | | -0.0981** | -0.0644 | **8860.0- |
| | (0.0411) | (0.0579) | (0.0607) | (0.0358) | (0.0533) | | (0.0475) | (0.0513) | (0.0475) |
| Constant | -0.410* | 0.883*** | -0.0349 | 0.280 | 0.711*** | -0.167** | 0.776*** | -0.0343 | -0.00731 |
| | (0.211) | (0.214) | (0.208) | (0.185) | (0.253) | (0.0709) | (0.184) | (0.101) | (0.585) |
| Observations | 836 | 426 | 401 | 973 | 472 | 1.562 | 589 | 445 | 588 |
| R-squared | 0.081 | 0.160 | 0.119 | 0.089 | 0.176 | 0.087 | 0.177 | 0.066 | 0.072 |
| | | | Ctor | Standard arrors in parantheses | naranthacac | | | | |

Standard errors in parentheses *** p<0.01, ** p<0.05, * p<0.1

Regression Table 4 – Individual by Country 1992 (Part 1)

| VARIABLES | (I) AU | (2) DE (E) | (3) DE (W) | (4) GB | (S) | (6) AT | (5) H(1) | (8) II | (6) NO |
|-------------------|-----------|---------------|---------------|----------------------|-------------|-----------|-------------|-----------|-----------|
| Social Position | 0.0987*** | 0.217*** | 0.313*** | 0.258*** | 0.184*** | 0.162*** | 0.210*** | 0.125*** | 0.0357 |
| | (0.0311) | (0.0263) | (0.0350) | (0.0519) | (0.0308) | (0.0365) | (0.0375) | (0.0378) | (0.0463) |
| Employed | -0.0467 | -0.116** | -0.274*** | -0.0733 | 0.115* | -0.165** | 0.0325 | -0.176** | 0.0906 |
| | (0.0617) | (0.0552) | (0.0770) | (0.115) | (0.0664) | (0.0792) | (0.0663) | (0.0803) | (0.0764) |
| Self Employed | -0.0796 | 0.0210 | -0.158 | -0.237 | -0.113 | 0.302** | 0.155 | 0.0928 | -0.165 |
| | (0.0914) | (0.117) | (0.143) | (0.169) | (0.0947) | (0.149) | (0.139) | (0.105) | (0.120) |
| Male | -0.134*** | -0.234*** | -0.158** | 0.0166 | -0.165*** | -0.0801 | -0.151** | -0.00784 | -0.0651 |
| | (0.0502) | (0.0494) | (0.0654) | (0.0984) | (0.0595) | (0.0677) | (0.0600) | (0.0668) | (0.0659) |
| Married | 0.116** | 0.00227 | 0.0622 | 0.0644 | -0.0613 | -0.0894 | 0.141** | 0.131** | 0.0532 |
| | (0.0573) | (0.0475) | (0.0705) | (0.101) | (0.0577) | (0.0678) | (0.0629) | (0.0652) | (0.0796) |
| Union | 0.0264 | -0.000243 | 0.0998 | 0.0846 | 0.0955 | -0.00787 | 0.0965 | -0.0338 | 0.0152 |
| | (0.0579) | (0.0577) | (0.0681) | (0.112) | (0.0883) | (0.0768) | (0.0685) | (0.102) | (0.0729) |
| Age | -0.00921 | 0.0326 | 0.0820** | -0.119** | -0.00284 | 0.0800** | 0.0247 | | -0.0539 |
| | (0.0288) | (0.0275) | (0.0372) | (0.0551) | (0.0330) | (0.0373) | (0.0338) | | (0.0383) |
| Church Attend. | -0.0481** | 0.0471** | 0.0747** | -0.0223 | 0.145*** | -0.0312 | 0.0132 | 0.0435 | -0.0442 |
| | (0.0242) | (0.0238) | (0.0321) | (0.0483) | (0.0293) | (0.0334) | (0.0300) | (0.0319) | (0.0357) |
| Years in School | 0.0319 | -0.0547** | 0.0592 | -0.0188 | 0.0704** | -0.0167 | 0.0342 | | -0.0724* |
| | (0.0273) | (0.0266) | (0.0361) | (0.0587) | (0.0330) | (0.0373) | (0.0366) | | (0.0390) |
| Social Class | 0.0386 | -0.0716*** | -0.0694* | -0.0939* | -0.0466 | -0.0906** | -0.0206 | -0.121*** | 0.00715 |
| | (0.0278) | (0.0272) | (0.0373) | (0.0518) | (0.0318) | (0.0390) | (0.0352) | (0.0374) | (0.0387) |
| Soc. Pos. Diagram | 0.206*** | | | | | | 0.122*** | 0.120*** | 0.191*** |
| | (0.0311) | | | | | | (0.0360) | (0.0404) | (0.0462) |
| Constant | 0.00488 | 0.195*** | 0.137* | -0.00992 | 0.0362 | 0.151** | -0.0943 | 0.000823 | -0.0735 |
| | (0.0611) | (0.0466) | (0.0717) | (0.103) | (0.0590) | (0.0636) | (0.0629) | (0.0641) | (0.0803) |
| Observations | 1,657 | 1,752 | 826 | 446 | 1,179 | 884 | 1,109 | 958 | 924 |
| R-squared | 0.080 | 0.107 | 0.184 | 0.109 | 0.077 | 0.094 | 0.100 | 0.108 | 0.055 |
| | | | Stand | Standard errors in r | narentheses | | | | |

Standard errors in parentheses *** p<0.01, ** p<0.05, * p<0.1

Regression Table 5 – 1992 (Part 2)

| | 5 | 6 | 6 | 9 | (3) | 9 | 6 | 6 | (0) |
|-------------------|----------|-----------|----------|--------------------------------|-------------|-----------|----------|----------|-----------|
| VARIABLES | SE SE | CZ (Z) | (S) | PL PL | GB GB | RU RU | NZ | CA (e) | P. S. |
| Social Position | 0.230*** | 0.145*** | 0.258*** | 0.0937*** | 0.173*** | 0.215*** | 0.119*** | 0.151*** | 0.0854*** |
| | (0.0377) | (0.0371) | (0.0345) | (0.0349) | (0.0366) | (0.0281) | (0.0412) | (0.0573) | (0.0304) |
| Employed | , | 0.127* | 0.108 | -0.0177 | -0.0410 | -0.0189 | -0.0789 | 0.0359 | -0.0794 |
| | | (0.0748) | (0.0914) | (0.0692) | (0.0821) | (0.0647) | (0.0775) | (0.0974) | (0.0703) |
| Self Employed | -0.0293 | -0.353** | 0.00540 | -0.217** | -0.295** | -0.505*** | -0.137 | 0.148 | 0.0445 |
| • | (0.120) | (0.144) | (0.174) | (0.0848) | (0.120) | (0.136) | (0.0947) | (0.126) | (0.0735) |
| Male | -0.0683 | -0.200*** | -0.120* | -0.0987 | -0.227*** | -0.356*** | -0.149** | -0.0345 | 0.0232 |
| | (0.0754) | (0.0615) | (0.0664) | (0.0611) | (0.0646) | (0.0518) | (0.0597) | (0.0867) | (0.0624) |
| Married | 0.0214 | 0.0169 | -0.0173 | 0.153** | 0.0432 | 0.0382 | 0.0669 | 0.108 | -0.0517 |
| | (0.0814) | (0.0718) | (0.0808) | (0.0669) | (0.0769) | (0.0558) | (0.0647) | (0.0923) | (0.0696) |
| Union | , | -0.0683 | -0.0156 | 0.0133 | -0.0134 | 0.144** | 0.143* | -0.0228 | -0.162 |
| | | (0.0656) | (0.0840) | (0.0813) | (0.0838) | (0.0697) | (60800) | (0.102) | (0.248) |
| Age | -0.0404 | 0.132*** | -0.0224 | +0990.0- | 0.131*** | 0.169*** | 0.0231 | 0.0394 | 0.0376 |
| | (0.0404) | (0.0334) | (0.0403) | (0.0356) | (0.0402) | (0.0271) | (0.0340) | (0.0453) | (0.0313) |
| Church Attend. | | -0.0356 | | 0.0227 | -0.0118 | | | 0.0780* | 0.0239 |
| | | (0.0305) | | (0.0300) | (0.0324) | | | (0.0442) | (0.0303) |
| Years in School | | -0.00823 | 0.0444 | 0.00976 | -0.0141 | -0.00209 | -0.00629 | | 0.0906** |
| | | (0.0413) | (0.0358) | (0.0391) | (0.0340) | (0.0278) | (0.0313) | | (0.0313) |
| Social Class | | -0.136*** | | -0.115*** | -0.143*** | -0.0231 | -0.0687* | 0.0594 | |
| | | (0.0351) | | (0.0348) | (0.0355) | (0.0290) | (0.0386) | (0.0523) | |
| Soc. Pos. Diagram | | 0.117*** | | 0.139*** | | | 0.187*** | 0.204*** | |
| | | (0.0361) | | (0.0335) | | | (0.0425) | (0.0578) | |
| Constant | 0.0257 | 0.0296 | 0.0213 | -0.00188 | 0.128* | 0.0689 | 0.0694 | -0.0462 | 0.0563 |
| | (0.0712) | (0.0805) | (0.0768) | (0.0664) | (0.0769) | (0.0642) | (0.0661) | (0.0930) | (0.0694) |
| Observations | 693 | 974 | 864 | 1,080 | 881 | 1,362 | 1,039 | 551 | 1,182 |
| R-squared | 0.054 | 0.143 | 0.068 | 0.081 | 0.147 | 0.163 | 0.144 | 0.090 | 0.014 |
| | | | Sta | Standard errors in parentheses | parentheses | | | | |

Standard errors in parentheses *** p<0.01, ** p<0.05, * p<0.1

CHAPTER FOUR

Discussion and Conclusions

It has long been accepted that proper incentives are required for individuals to put forth their best efforts in their work as well as to spark innovation and improvements for the greater population. The potential to advance socially, improving one's standard of living and influence, is arguably one of the most important overall life incentives. Therefore, having a positive outlook about one's ability to move up in the world is a critical driver of global socioeconomic progress. In order to promote and maintain this necessary positivity, we must first understand the factors that bring about this positivity.

Using International Social Survey Program data from the 1987 and 1992 waves of the Social Inequality Survey, we test various institutional and individual level factors for their potential influence on social mobility expectation positivity levels. We analyze the data at a broad, multi-country level for both institutional and individual factors, and also at a country-specific level for individual factors. At the institutional level, we find that Unemployment Rates and GDP per Capita are significant in both surveys. However, the presence of an economic/political "Shock" is the most influential factor to positivity levels in 1992 (with shocks being events that occurred within 2 years before the survey was conducted). At an individual level, the results are more mixed – with some variables being significant for particular country-year combinations but not others. Across the board, with the exception of Norway, respondents subjective Social Position (along with the Social Position Diagram when it is included) is a significant influencing factor for positivity with higher social position leading to lower positivity levels and indicating the presence of a

perceived social mobility "cap" for those at higher social levels. In addition, the respondent's subjective Social Class is also significant for most countries – although the two variables have opposing influences. While they are less consistent between countries, Employment and Self-Employment are also significant contributors to positivity levels, possibly due to their providing a sense of financial security and career flexibility/autonomy, respectively. Both in the overall regressions (both years) and the country-specific regressions (5 out of 9 in 1987 and 11 out of 18 in 1992), there is a statistically significant gender disparity, with males generally being more positive about their opportunities.

Continued study of these and additional factors is needed on this subject. Before this can occur, however, more data must be gathered and the specific, key-variable question must be more included more precisely in the surveys. For a more robust study of institutional factors, especially, it would be extremely valuable to collect data from a greater variety of countries — both Western and Eastern — with greater variation in governmental and economic institutions. On an individual level, it is critical that a greater proportion of respondents answer the questions regarding characteristics with the possible inclusion of income levels and comparisons of their subjective social levels with those of their parents. Another interesting extension would be a comparison of positivity levels, based on longitudinal data, with actual historical social mobility. Overall, this is a rich and understudied field within the broader category of Social Mobility studies that could provide valuable insight into human psychology and behavior.

Appendix

A1 – Overall Positivity Regression for 1987 – Institutional Factors . reg z17 gov_rep gov_mon rel_c zlit zlife zU zGDP

| Source | SS | df | MS | | per of obs | = | 12,266 |
|--|--|--|---|---|---|----------------------------|--|
| Model Residual | 1036.64685 11228.3622 | 7 12 , 258 | 148.092408 | Prok | 12258) > > F quared | = | 161.67 0.0000 0.0845 |
| Total | 12265.0091 | 12,265 | 1.00000074 | _ | R-squared : MSE | = | 0.0840 |
| z17 | Coef. | Std. Err. | t | P> t | [95% Cd | onf. | Interval] |
| gov_rep gov_mon rel_c zlit zlife zU zGDP _cons | 2144393 2770656 .2601201 .1020938 0376134 .1796465 1701077 .3868222 | .0491179 .0666857 .0398944 .0210977 .0212491 .0173308 .0339931 .1017681 | -4.37 -4.15 6.52 4.84 -1.77 10.37 -5.00 3.80 | 0.000 0.000 0.000 0.000 0.077 0.000 0.000 | 310718407 .181920 .060738079265 .145675236739 | 78 07 89 51 54 | 11816051463512 .3383195 .1434487 .0040382 .21361761034758 .5863037 |

A2 – Overall Positivity Regression for 1992 – Institutional Factors

. reg z17 gov_rep gov_mon rel_c rel_p zlit zlife zU zGDP shock

| Source | SS | df | MS | | er of ob: | s = = | 21,970 336.99 |
|----------|------------|-----------|------------|--------|-----------|----------|------------------|
| Model | 2665.98343 | 9 | 296.220381 | | > F | = | 0.0000 |
| Residual | 19303.0071 | 21,960 | | | uared | = | 0.1214 |
| Residual | 19303.0071 | 21,900 | .0790070 | - | - | | 0.1214 |
| | 01060 0005 | 01 060 | 00000056 | _ | R-square | | |
| Total | 21968.9905 | 21,969 | .999999569 | 9 Root | MSE | = | .93755 |
| | | | | | | | |
| z17 | Coef. | Std. Err. | t | P> t | [95% (| Conf. | Interval] |
| gov rep | 0513087 | .0255469 | -2.01 | 0.045 | 1013 | 325 | 0012349 |
| gov mon | 1184963 | .0370805 | -3.20 | 0.001 | 1911 | 768 | 0458158 |
| rel c | 6708451 | .0226292 | -29.65 | 0.000 | 7151 | 999 | 6264902 |
| rel p | 1220398 | .023342 | -5.23 | 0.000 | 1677 | 918 | 0762877 |
| zlit | .2021674 | .0169168 | 11.95 | 0.000 | .1690 | 094 | .2353255 |
| zlife | .206224 | .0178878 | 11.53 | 0.000 | .1711 | 626 | .2412855 |
| zU | .0979807 | .0142237 | 6.89 | 0.000 | .0701 | 012 | .1258601 |
| zGDP | 3168854 | .0167764 | -18.89 | 0.000 | 3497 | 683 | 2840024 |
| shock | .6662602 | .0235239 | 28.32 | 0.000 | .6201 | 516 | .7123688 |
| _cons | .0008816 | .0395594 | 0.02 | 0.982 | 0766 | 577 | .0784209 |

A3 – Overall Positivity Regression 1987 – Individual Factors

. regress z17 std_pos empl self_emp male married union std_age std_church std_sc > h std_class

| Source | SS | df | MS | Number of obs | s = = | 4,730 32.56 |
|----------|------------|-----------|------------|------------------------------|----------|----------------|
| Model | 278.412385 | 10 | 27.8412385 | , , | = | 0.0000 |
| Residual | 4035.50975 | 4,719 | .855162058 | R-squared - Adj R-squared | = = F | 0.0645 |
| Total | 4313.92214 | 4,729 | .912227139 | | = | .92475 |
| | | | | | | |
| z17 | Coef. | Std. Err. | t | P> t [95% (| Conf. | Interval] |

| z17 | Coef. | Std. Err. | t | P> t | [95% Conf. | Interval] |
|------------|----------|-----------|-------|-------|------------|-----------|
| std_pos | .1766128 | .0161751 | 10.92 | 0.000 | .1449021 | .2083234 |
| empl | 3390548 | .0764654 | -4.43 | 0.000 | 4889627 | 1891469 |
| self_emp | 0584025 | .0421924 | -1.38 | 0.166 | 1411193 | .0243142 |
| male | 1163815 | .0282773 | -4.12 | 0.000 | 1718182 | 0609448 |
| married | .0070425 | .0299458 | 0.24 | 0.814 | 0516653 | .0657503 |
| union | .0747939 | .0296242 | 2.52 | 0.012 | .0167165 | .1328712 |
| std_age | .0542524 | .0198335 | 2.74 | 0.006 | .0153695 | .0931353 |
| std_church | .0242996 | .0142465 | 1.71 | 0.088 | 0036301 | .0522294 |
| std_sch | .0004449 | .0160879 | 0.03 | 0.978 | 0310949 | .0319847 |
| std_class | 0851687 | .0160413 | -5.31 | 0.000 | 1166172 | 0537202 |
| cons | .2477198 | .0783269 | 3.16 | 0.002 | .0941625 | .4012771 |

A4 – Australia Positivity Regression 1987 – Individual Factors

| Source | SS | df | MS | | er of obs | = | 836 7.25 |
|------------|------------|-----------|------------|-------|-----------|-----|----------------------|
| Model | 69.4718819 | 10 | 6.94718819 | | | _ | 0.0000 |
| Residual | 790.943205 | 825 | .958719037 | | ared | _ | 0.0807 |
| | | | | _ | R-squared | _ | 0.0696 |
| Total | 860.415087 | 835 | 1.03043723 | _ | - | _ | .97914 |
| | | | | | | | |
| | | | | | | | |
| z17_c | Coef. | Std. Err. | t | P> t | [95% Co | nf. | <pre>Interval]</pre> |
| | | | | | | | |
| std_pos | .2105601 | .039554 | 5.32 | 0.000 | .132921 | 7 | .2881985 |
| empl | .5161891 | .2068044 | 2.50 | 0.013 | .110264 | 5 | .9221138 |
| self_emp | 4428583 | .1784849 | -2.48 | 0.013 | 793196 | 1 | 0925204 |
| male | 0527397 | .0699435 | -0.75 | 0.451 | 190027 | 9 | .0845485 |
| married | .0128218 | .0722538 | 0.18 | 0.859 | 129001 | 2 | .1546448 |
| union | 029544 | .0714016 | -0.41 | 0.679 | 169694 | 2 | .1106063 |
| std_age | .026955 | .048841 | 0.55 | 0.581 | 068912 | 3 | .1228223 |
| std_church | .0053344 | .0368926 | 0.14 | 0.885 | 0670 | 8 | .0777489 |
| std_sch | .0388593 | .0387008 | 1.00 | 0.316 | 037104 | 3 | .1148229 |
| std_class | 1309376 | .0411302 | -3.18 | 0.002 | 211669 | 8 | 0502055 |
| _cons | 4100091 | .2108823 | -1.94 | 0.052 | 82393 | 8 | .0039198 |
| | | | | | | | |

A5 – West Germany Positivity Regression 1987 – Individual Factors

. regress z17_c std_pos empl self_emp male married union std_age std_church std_ > sch std_class if v3==2

| Source | SS | df | MS | Number of obs | = | 426 |
|----------|------------|-----|---------------------------------------|---------------|---|--------|
| | | | · · · · · · · · · · · · · · · · · · · | F(10, 415) | = | 7.90 |
| Model | 67.7661605 | 10 | 6.77661605 | Prob > F | = | 0.0000 |
| Residual | 355.907488 | 415 | .857608406 | R-squared | = | 0.1599 |
| | | | | Adj R-squared | = | 0.1397 |
| Total | 423.673649 | 425 | .996879174 | Root MSE | = | .92607 |
| | | | | | | |
| | | | | | | |

| z17_c | Coef. | Std. Err. | t | P> t | [95% Conf. | Interval] |
|------------|----------|-----------|-------|-------|------------|-----------|
| std_pos | .1952782 | .0532913 | 3.66 | 0.000 | .0905237 | .3000327 |
| empl | 7488959 | .2141203 | -3.50 | 0.001 | -1.169792 | 3280003 |
| self_emp | 0165211 | .1661362 | -0.10 | 0.921 | 3430945 | .3100524 |
| male | 204846 | .0992649 | -2.06 | 0.040 | 3999708 | 0097212 |
| married | 1882551 | .103622 | -1.82 | 0.070 | 3919445 | .0154342 |
| union | .1112628 | .1010393 | 1.10 | 0.271 | 0873498 | .3098754 |
| std_age | 052298 | .0723259 | -0.72 | 0.470 | 1944687 | .0898728 |
| std_church | .0302332 | .0504957 | 0.60 | 0.550 | 0690259 | .1294924 |
| std_sch | .2231957 | .1616846 | 1.38 | 0.168 | 0946273 | .5410186 |
| std_class | 1223904 | .0579345 | -2.11 | 0.035 | 2362721 | 0085088 |
| _cons | .8825298 | .2139029 | 4.13 | 0.000 | .4620616 | 1.302998 |

A6 – Great Britain Positivity Regression 1987 – Individual Factors

| Source | SS | df | MS | | er of obs | = | 401 5.25 |
|------------|------------|-----------|------------|-------|--------------------|------|------------------|
| Model | 46.2614143 | 10 | 4.62614143 | | > F | = | 0.0000 |
| Residual | 343.388092 | 390 | .880482288 | - | uared R-squared | = | 0.1187 0.0961 |
| Total | 389.649507 | 400 | .974123767 | _ | MSE | = | .93834 |
| z17_c | Coef. | Std. Err. | t | P> t | [95% Co | onf. | Interval] |
| std_pos | .1370071 | .0617608 | 2.22 | 0.027 | .015581 | L3 | .258433 |
| empl | 1062502 | .1801898 | -0.59 | 0.556 | 46051 | L 5 | .2480146 |
| self_emp | 2265618 | .2065708 | -1.10 | 0.273 | 632693 | 36 | .1795699 |
| male | 1094038 | .0971451 | -1.13 | 0.261 | 300397 | 75 | .0815898 |
| married | .0385743 | .1196796 | 0.32 | 0.747 | 196723 | 36 | .2738722 |
| union | .3636431 | .0980309 | 3.71 | 0.000 | .170907 | 78 | .5563783 |
| std_age | 0112024 | .073635 | -0.15 | 0.879 | 155973 | 36 | .1335688 |
| std_church | .0429003 | .0507136 | 0.85 | 0.398 | 056805 | 59 | .1426065 |
| std_sch | .4355925 | .3518644 | 1.24 | 0.216 | 256195 | 58 | 1.127381 |
| std_class | 2205626 | .0607493 | -3.63 | 0.000 | 339999 | 96 | 1011255 |
| _cons | 0348884 | .2080048 | -0.17 | 0.867 | 443839 | 95 | .3740628 |

A7 – United States Positivity Regression 1987 – Individual Factors

. regress z17_c std_pos empl self_emp male married union std_age std_church std_ > sch std_class if v3==4

| Source | SS | df | MS | | er of obs | = | 973 9.38 |
|------------|------------|-----------|------------|---------|-----------|------|-------------|
| Model | 85.4810565 | 10 | 8.54810565 | | • | = | 0.0000 |
| Residual | 876.284074 | 962 | .910898205 | | uared | = | 0.0889 |
| | | | | - Adj I | R-squared | = | 0.0794 |
| Total | 961.76513 | 972 | .989470298 | Root | MSE | = | .95441 |
| ' | • | | | | | | |
| z17_c | Coef. | Std. Err. | t | P> t | [95% C | onf. | Interval] |
| std_pos | .213189 | .0362454 | 5.88 | 0.000 | .14205 | 99 | .2843181 |
| empl | 1903923 | .1810412 | -1.05 | 0.293 | 54567 | 36 | .164889 |
| self_emp | 2036496 | .0968392 | -2.10 | 0.036 | 39369 | 01 | 0136092 |
| male | 129294 | .0628201 | -2.06 | 0.040 | 25257 | 43 | 0060138 |
| married | 0807911 | .0634853 | -1.27 | 0.203 | 20537 | 67 | .0437945 |
| union | .1042416 | .0828777 | 1.26 | 0.209 | 05840 | 03 | .2668834 |
| std_age | 0404794 | .0452187 | -0.90 | 0.371 | 12921 | 82 | .0482593 |
| std_church | .020548 | .0319369 | 0.64 | 0.520 | 04212 | 61 | .0832221 |
| std_sch | .0266509 | .0380671 | 0.70 | 0.484 | 04805 | 32 | .101355 |
| std_class | 1140319 | .035758 | -3.19 | 0.001 | 18420 | 45 | 0438592 |
| _cons | .2800662 | .1846538 | 1.52 | 0.130 | 08230 | 45 | .642437 |

A8 - Austria Positivity Regression 1987 - Individual Factors

| Source | SS | df | MS | | ber of obs | = | 472 9.83 |
|-------------------|--------------------------|-----------|--------------------------|----------------|------------------------------|-----|-------------|
| Model Residual | 85.5351654 401.070476 | 10 461 | 8.55351654 .870001033 | 4 Pro 3 R-s | b > F quared R-squared | = | 0.0000 |
| Total | 486.605642 | 471 | 1.03313 | _ | t MSE | = | |
| z17_c | Coef. | Std. Err. | t | P> t | [95% Cc | nf. | Interval] |
| std pos | .1610838 | .0500489 | 3.22 | 0.001 | .062731 | . 6 | .259436 |
| empl | 4819131 | .2552645 | -1.89 | 0.060 | 983539 | 94 | .0197131 |
| self emp | .6734164 | .1346774 | 5.00 | 0.000 | .408758 | 8 8 | .938074 |
| male | 0933032 | .090644 | -1.03 | 0.304 | 271429 | 9 | .0848234 |
| married | 2997648 | .0979992 | -3.06 | 0.002 | 492345 | 5 4 | 1071843 |
| union | 0979981 | .0957716 | -1.02 | 0.307 | 28620 | 1 | .0902049 |
| std age | .2404101 | .0638168 | 3.77 | 0.000 | .115002 | 22 | .365818 |
| std_church | .1333784 | .0470606 | 2.83 | 0.005 | .040898 | 35 | .2258583 |
| std sch | .0202379 | .0468676 | 0.43 | 0.666 | 071862 | 2.7 | .1123386 |
| std_class | 089344 | .0532668 | -1.68 | 0.094 | 194019 | 8 | .0153318 |
| _cons | .7109377 | .2530593 | 2.81 | 0.005 | .21364 | 15 | 1.20823 |
| | I | | | | | | |

A9 – Hungary Positivity Regression 1987 – Individual Factors

. regress z17_c std_pos self_emp male married union std_age std_sch if v3==6

| Source | SS | df | MS | | per of obs | | 1,562 |
|---|---|--|---------------------------------------|---|-----------------------------------|-------------------|---|
| Model Residual | 123.118007 1290.28808 | 7 1,554 | 17.5882867 | 7 Prob | , 1554) o > F quared | = = | 21.18 0.0000 0.0871 |
| Total | 1413.40609 | 1,561 | .905449126 | _ | R-squared | d = = | 0.0830 |
| z17_c | Coef. | Std. Err. | t | P> t | [95% (| Conf. | Interval] |
| std_pos self_emp male married union | .1982024 3037189 .0788225 .0049622 .1287204 | .0257167 .1324867 .0467143 .0575447 | 7.71 -2.29 1.69 0.09 2.41 | 0.000 0.022 0.092 0.931 0.016 | .14775 56359 01280 10791 | 905)71 L13 | .2486455 0438473 .1704522 .1178357 .2334722 |
| std_age | 0358503 | .037439 | -0.96 | 0.338 | 10928 | 367 | .037586 |

A10 – Netherlands Positivity Regression 1987 – Individual Factors

-.1666882

SS

std sch

_cons

Source

. regress z17_c std_pos empl self_emp male married union std_age std_church std_ > sch std_class if v3==7

MS

-2.35 0.019

.1784444

Number of obs =

-.3057666 -.0276099

.2817762

589

.2301103 .0263401 8.74 0.000

df

.0709044

| Model Residual Total | 98.1798934 456.42695 554.606844 | 10 578 588 | 9.8179893 .789666004 | Pro R-s Adj | 0, 578) b > F quared R-squared t MSE | = = = | 12.43 0.0000 0.1770 0.1628 .88863 |
|----------------------------|---------------------------------------|------------------|-------------------------|-------------------|--------------------------------------|-------|---|
| z17_c | Coef. | Std. Err. | t | P> t | [95% Co | nf. | Interval] |
| std pos | .297006 | .0532536 | 5.58 | 0.000 | .192411 | 9 | .4016001 |
| empl | 5805686 | .1731228 | -3.35 | 0.001 | 920595 | 1 | 2405421 |
| self_emp | 2976825 | .121197 | -2.46 | 0.014 | 535722 | 7 | 0596424 |
| male | 3586642 | .081262 | -4.41 | 0.000 | 51826 | 9 | 1990594 |
| married | .1281132 | .0875617 | 1.46 | 0.144 | 043864 | 6 | .300091 |
| union | 0745756 | .0839008 | -0.89 | 0.374 | 239363 | 1 | .090212 |
| std_age | .317755 | .0608962 | 5.22 | 0.000 | .198150 | 3 | .4373598 |
| std_church | 0110405 | .0401182 | -0.28 | 0.783 | 089835 | 7 | .0677546 |
| std_sch | .0594449 | .0406576 | 1.46 | 0.144 | 020409 | 7 | .1392995 |
| std_class | 0981427 | .0474755 | -2.07 | 0.039 | 191388 | 3 | 0048972 |
| _cons | .7755359 | .1842218 | 4.21 | 0.000 | .413710 | 3 | 1.137362 |

A11 – Italy Positivity Regression 1987 – Individual Factors

. regress z17_c std_pos self_emp male married union std_church std_class if v3== > 8

| Source | SS | df | MS | Number of o F (7, 437) | bs = = | 445 4.39 |
|-------------------|------------|-----------|------------|---------------------------|--------|-------------|
| Model Residual | 24.7454549 | 7 437 | 3.53506499 | Prob > F | = | 0.0001 |
| Total | 376.719918 | 444 | .848468284 | - Adj R-squar | | 0.0507 |
| | 370.713310 | 111 | .040400204 | NOOC HOL | | .03740 |
| z17_c | Coef. | Std. Err. | t | P> t [95% | Conf. | Interval] |
| | | | | | | |

| z17_c | Coef. | Std. Err. | t | P> t | [95% Conf. | Interval] |
|------------|----------|-----------|-------|-------|------------|-----------|
| std_pos | .1671215 | .0498255 | 3.35 | 0.001 | .0691941 | .2650489 |
| self_emp | 113748 | .1130743 | -1.01 | 0.315 | 335985 | .1084891 |
| male | 2229436 | .0945644 | -2.36 | 0.019 | 4088011 | 0370861 |
| married | .1604833 | .0975162 | 1.65 | 0.101 | 0311757 | .3521423 |
| union | .0477569 | .0998623 | 0.48 | 0.633 | 1485131 | .244027 |
| std_church | .0776526 | .0443849 | 1.75 | 0.081 | 0095818 | .1648869 |
| std_class | 0644368 | .0512825 | -1.26 | 0.210 | 1652277 | .0363542 |
| _cons | 0343257 | .1006018 | -0.34 | 0.733 | 2320493 | .1633978 |

A12 – Switzerland Positivity Regression 1987 – Individual Factors

| Source | SS | df | MS | | er of obs | = | 588 4.48 |
|-------------------|--------------------------|-----------|------------|------------------|-----------|------|----------------------------|
| Model Residual | 44.4202021 571.546207 | 10 577 | 4.44202023 | l Prob 2 R-sq | | = | 0.0000 0.0721 0.0560 |
| Total | 615.966409 | 587 | 1.04934652 | _ | - | = | .99526 |
| z17_c | Coef. | Std. Err. | t | P> t | [95% C | onf. | Interval] |
| std_pos | .1471631 | .0498864 | 2.95 | 0.003 | .04918 | 19 | .2451442 |
| empl | .3015785 | .5846855 | 0.52 | 0.606 | 84679 | 29 | 1.44995 |
| self emp | 0452309 | .1003435 | -0.45 | 0.652 | 24231 | 41 | .1518522 |
| male | 1320478 | .1028006 | -1.28 | 0.199 | 33395 | 68 | .0698611 |
| married | 2730329 | .1034005 | -2.64 | 0.009 | 47612 | 02 | 0699456 |
| union | 003485 | .0863052 | -0.04 | 0.968 | 17299 | 57 | .1660257 |
| std age | .1105608 | .0607202 | 1.82 | 0.069 | 00869 | 88 | .2298203 |
| std church | 058411 | .0441562 | -1.32 | 0.186 | 14513 | 75 | .0283154 |
| std sch | 0395603 | .0419956 | -0.94 | 0.347 | 12204 | 31 | .0429225 |
| std class | 0987645 | .0474908 | -2.08 | 0.038 | 19204 | 03 | 0054887 |
| cons | 0073129 | .5847542 | -0.01 | 0.990 | -1.1558 | 19 | 1.141193 |

A13 – Overall Positivity Regression 1992 – Individual Factors

. regress z17 std_pos empl self_empl male married union std_age std_church std_s > ch std_class std_diag

| Source | SS | df | MS | | er of obs | = | 5,744 35.67 |
|------------|------------|-----------|------------|-------|-----------|-----|----------------|
| Model | 362.778087 | 11 | 32.9798261 | | | _ | 0.0000 |
| Residual | 5299.11673 | 5,732 | .924479541 | | uared | = | 0.0641 |
| | | | | _ | R-squared | = | 0.0623 |
| Total | 5661.89482 | 5,743 | .985877558 | _ | - | = | .9615 |
| | | | | | | | |
| | | | | | | | |
| z17 | Coef. | Std. Err. | t | P> t | [95% Co | nf. | Interval] |
| std pos | .0988233 | .0162887 | 6.07 | 0.000 | .066891 | 3 | .1307552 |
| empl | 0610441 | .0303745 | -2.01 | 0.045 | 120589 | 6 | 0014986 |
| self empl | 0403014 | .0472188 | -0.85 | 0.393 | 132868 | 1 | .0522652 |
| male | 1535935 | .0261313 | -5.88 | 0.000 | 204820 | 7 | 1023662 |
| married | .0553266 | .0293641 | 1.88 | 0.060 | 00223 | 8 | .1128913 |
| union | 0589168 | .0293762 | -2.01 | 0.045 | 116505 | 2 | 0013283 |
| std_age | .0081496 | .0146588 | 0.56 | 0.578 | 020587 | 2 | .0368864 |
| std_church | 0164533 | .0131096 | -1.26 | 0.210 | 04215 | 3 | .0092465 |
| std_sch | .0390266 | .0154747 | 2.52 | 0.012 | .008690 | 3 | .0693628 |
| std_class | 0512555 | .0149004 | -3.44 | 0.001 | 08046 | 6 | 0220451 |
| std_diag | .1380889 | .0159376 | 8.66 | 0.000 | .106845 | 3 | .1693326 |
| _cons | .2084715 | .0301347 | 6.92 | 0.000 | .149396 | 2 | .2675469 |

A14 – Australia Positivity Regression 1992 – Individual Factors

| Source | SS | df | MS | | er of obs | = | 1,657 12.97 |
|-------------------|-------------------------|-------------|------------|--------|---------------------------|------|----------------------------|
| Model Residual | 131.60741 1517.73474 | 11 1,645 | 11.96431 | l Prob | > F uared R-squared | = | 0.0000 0.0798 0.0736 |
| Total | 1649.34215 | 1,656 | .995979558 | _ | - | = | .96054 |
| z17_c | Coef. | Std. Err. | t | P> t | [95% Cd | onf. | Interval] |
| std_pos | .0987116 | .0311365 | 3.17 | 0.002 | .037640 |)3 | .1597829 |
| empl | 0466697 | .0617187 | -0.76 | 0.450 | 167725 | 53 | .0743859 |
| self_empl | 0795814 | .0914263 | -0.87 | 0.384 | 258905 | 56 | .0997428 |
| male | 1336832 | .0502245 | -2.66 | 0.008 | 232193 | 39 | 0351724 |
| married | .1157656 | .0572624 | 2.02 | 0.043 | .003450 | 8 (| .2280804 |
| union | .0264287 | .0579016 | 0.46 | 0.648 | 087139 | 9 | .1399972 |
| std_age | 0092146 | .0288243 | -0.32 | 0.749 | 065750 | 9 | .0473217 |
| std_church | 0480947 | .0241804 | -1.99 | 0.047 | 095522 | 24 | 0006671 |
| std_sch | .0319443 | .0272914 | 1.17 | 0.242 | 021585 | 52 | .0854739 |
| std_class | .0385874 | .0278455 | 1.39 | 0.166 | 01602 | 29 | .0932038 |
| std_diag | .2055071 | .031107 | 6.61 | 0.000 | .144493 | 36 | .2665207 |
| _cons | .0048784 | .0610816 | 0.08 | 0.936 | 114927 | 7 6 | .1246844 |

A15 – East Germany Positivity Regression 1992 – Individual Factors

. regress z17_c std_pos empl self_empl male married union std_age std_church std > _sch std_class if v3==2

| Source | SS | df | MS | | er of obs | s = = | 1,752 20.95 |
|------------|------------|-----------|------------|-------|-----------|----------|----------------|
| Model | 190.285106 | 10 | 19.0285106 | | | = | 0.0000 |
| Residual | 1581.45572 | 1,741 | .908360554 | | ared | = | 0.1074 |
| | | _,· | | _ | R-squared | = E | 0.1023 |
| Total | 1771.74083 | 1,751 | 1.01184513 | _ | = | = | .95308 |
| | | _, | | | | | |
| | . | | | | | | |
| z17_c | Coef. | Std. Err. | t | P> t | [95% (| Conf. | Interval] |
| | | | | | | | |
| std_pos | .2172531 | .0263268 | 8.25 | 0.000 | .16561 | 176 | .2688885 |
| empl | 1163932 | .0551818 | -2.11 | 0.035 | 22462 | 228 | 0081636 |
| self_empl | .0210021 | .1169952 | 0.18 | 0.858 | 20846 | 639 | .2504681 |
| male | 234442 | .0493802 | -4.75 | 0.000 | 33129 | 928 | 1375912 |
| married | .0022694 | .047525 | 0.05 | 0.962 | 09094 | 428 | .0954815 |
| union | 000243 | .0576868 | -0.00 | 0.997 | 11338 | 358 | .1128997 |
| std_age | .0325857 | .0274967 | 1.19 | 0.236 | 02134 | 443 | .0865158 |
| std_church | .0470537 | .0237649 | 1.98 | 0.048 | .00044 | 429 | .0936645 |
| std_sch | 0547154 | .0265852 | -2.06 | 0.040 | 10685 | 577 | 002573 |
| std_class | 0716408 | .0272024 | -2.63 | 0.009 | 12499 | 936 | 0182881 |
| _cons | .1950671 | .0465879 | 4.19 | 0.000 | .10369 | 929 | .2864413 |
| | | | | | | | |

A16 – West Germany Positivity Regression 1992 – Individual Factors

| Source | SS | df | MS | | er of obs | = | 826 18.40 |
|------------|------------|-----------|------------|---------|-----------|------|--------------|
| Model | 149.765294 | 10 | 14.9765294 | | | = | 0.0000 |
| Residual | 663.307021 | 815 | .813873646 | R-squ | ared | = | 0.1842 |
| | | | | - Adj F | R-squared | = | 0.1742 |
| Total | 813.072315 | 825 | .985542201 | Root | MSE | = | .90215 |
| ! | ı | | | | | | |
| z17_c | Coef. | Std. Err. | t | P> t | [95% C | onf. | Interval] |
| std pos | .3128378 | .0350496 | 8.93 | 0.000 | .24403 | 97 | .3816359 |
| empl | 2743276 | .0770117 | -3.56 | 0.000 | 42549 | 22 | 123163 |
| self_empl | 157902 | .1432583 | -1.10 | 0.271 | 43910 | 07 | .1232967 |
| male | 1581599 | .0654036 | -2.42 | 0.016 | 28653 | 92 | 0297806 |
| married | .0621741 | .0705299 | 0.88 | 0.378 | 07626 | 77 | .2006159 |
| union | .0997795 | .068127 | 1.46 | 0.143 | 03394 | 55 | .2335045 |
| std_age | .0819875 | .0371937 | 2.20 | 0.028 | .00898 | 07 | .1549943 |
| std_church | .0746508 | .0321488 | 2.32 | 0.020 | .01154 | 66 | .137755 |
| std_sch | .0591885 | .0360851 | 1.64 | 0.101 | 01164 | 22 | .1300193 |
| std_class | 0694379 | .0372549 | -1.86 | 0.063 | 14256 | 49 | .003689 |
| cons | .1371263 | .071714 | 1.91 | 0.056 | 00363 | 96 | .2778923 |

A17 – Great Britain Positivity Regression 1992 – Individual Factors

. regress z17_c std_pos empl self_empl male married union std_age std_church std > _sch std_class if v3==4

| Source | SS | df | MS | | er of obs | = | 446 5.30 |
|------------|------------|-----------|------------|-------|-----------|------|---------------------------------------|
| Model | 50.8849567 | 10 | 5.08849567 | | | = | 0.0000 |
| Residual | 417.335173 | 435 | .959391203 | | uared | = | 0.1087 |
| | | | | - | R-squared | = | 0.0882 |
| Total | 468.22013 | 445 | 1.05218007 | _ | MSE | = | .97949 |
| | | | | | | | |
| | | | | | | | · · · · · · · · · · · · · · · · · · · |
| z17_c | Coef. | Std. Err. | t | P> t | [95% C | onf. | <pre>Interval]</pre> |
| | | | | | | | |
| std_pos | .2582263 | .0519344 | 4.97 | 0.000 | .15615 | 27 | .3602999 |
| empl | 0733493 | .114687 | -0.64 | 0.523 | 2987 | 59 | .1520603 |
| self_empl | 2365939 | .1687749 | -1.40 | 0.162 | 56830 | 95 | .0951217 |
| male | .0165861 | .0983962 | 0.17 | 0.866 | 17680 | 51 | .2099773 |
| married | .0644348 | .1009706 | 0.64 | 0.524 | 13401 | 61 | .2628858 |
| union | .0846178 | .1118021 | 0.76 | 0.450 | 13512 | 16 | .3043573 |
| std age | 118588 | .0550587 | -2.15 | 0.032 | 22680 | 21 | 0103739 |
| std church | 0223255 | .0482542 | -0.46 | 0.644 | 11716 | 59 | .0725149 |
| std sch | 018795 | .0587208 | -0.32 | 0.749 | 13420 | 67 | .0966167 |
| std class | 0939187 | .0518446 | -1.81 | 0.071 | 19581 | 57 | .0079783 |
| cons | 0099222 | .1031453 | -0.10 | 0.923 | 21264 | 74 | .192803 |
| _ | | | | | | | |

A18 – United States Positivity Regression 1992 – Individual Factors

| Source | SS | df | MS | | er of obs | = | 1,179 9.73 |
|-------------------|--------------------------|-------------|------------|--------------|------------------------------|-----|---------------|
| Model Residual | 91.0446094 1092.93888 | 10 1,168 | 9.10446094 | Prob R-sc | y > F quared R-squared | = | 0.0000 |
| Total | 1183.98349 | 1,178 | 1.00507936 | _ | : MSE | = | .96733 |
| z17_c | Coef. | Std. Err. | t | P> t | [95% Co. | nf. | Interval] |
| std_pos | .1843743 | .0307573 | 5.99 | 0.000 | .124028 | 6 | .24472 |
| empl | .1149929 | .0664319 | 1.73 | 0.084 | 015346 | 4 | .2453321 |
| self empl | 1130599 | .0947142 | -1.19 | 0.233 | 298888 | 9 | .072769 |
| male | 1650917 | .0594629 | -2.78 | 0.006 | 281757 | 8 | 0484256 |
| married | 0613324 | .0576838 | -1.06 | 0.288 | 174507 | 8 | .051843 |
| union | .0955223 | .0882831 | 1.08 | 0.279 | 077688 | 9 | .2687336 |
| std_age | 0028446 | .0330143 | -0.09 | 0.931 | 067618 | 6 | .0619294 |
| std_church | .1449833 | .0292658 | 4.95 | 0.000 | .087563 | 9 | .2024027 |
| std_sch | .0704318 | .0329746 | 2.14 | 0.033 | .005735 | 8 | .1351278 |
| std_class | 0465817 | .0318298 | -1.46 | 0.144 | 109031 | 6 | .0158683 |
| _cons | .0362049 | .0590061 | 0.61 | 0.540 | 079564 | 8 | .1519746 |

A19 – Austria Positivity Regression 1992 – Individual Factors

. regress z17_c std_pos empl self_empl male married union std_age std_church std > _sch std_class if v3==6

| Source | SS | df | MS | | er of obs | = | 884 9.05 |
|---------------|--------------|-----------|------------|-------|--------------------|-----|-------------|
| Model | 81.7912953 | 10 | 8.17912953 | | | = | 0.0000 |
| Residual | 789.292787 | 873 | .904115449 | _ | uared R-squared | = | 0.0939 |
| Total | 871.084082 | 883 | .986505189 | _ | - | = | .95085 |
| - | , | | | | | | |
| z17_c | Coef. | Std. Err. | t | P> t | [95% Co | nf. | Interval] |
| std_pos | .1620752 | .0365354 | 4.44 | 0.000 | .090367 | 7 | .2337827 |
| empl | 1651154 | .0792257 | -2.08 | 0.037 | 320610 | 5 | 0096204 |
| self_empl | .3020297 | .1489051 | 2.03 | 0.043 | .009775 | 8 | .5942835 |
| male | 0801272 | .0676846 | -1.18 | 0.237 | 212970 | 7 | .0527163 |
| married | 089401 | .0678493 | -1.32 | 0.188 | 222567 | 8 | .0437657 |
| union | 007874 | .076839 | -0.10 | 0.918 | 158684 | 9 | .1429368 |
| std_age | .0800277 | .0373132 | 2.14 | 0.032 | .006793 | 5 | .1532618 |
| std_church | 0312172 | .0333842 | -0.94 | 0.350 | 096739 | 9 | .0343056 |
| std_sch | 0167202 | .037267 | -0.45 | 0.654 | 089863 | 5 | .0564232 |
| std_class | 0906008 | .0390457 | -2.32 | 0.021 | 167235 | 2 | 0139664 |
| _cons | .1506049 | .063613 | 2.37 | 0.018 | .025752 | 5 | .2754572 |

A20 – Hungary Positivity Regression 1992 – Individual Factors

| Source | SS | df | MS | | er of obs | ; = = | 1,109 11.10 |
|-------------------|-------------------------|-------------|------------|--------------|---------------------------|-------|----------------------------|
| Model Residual | 111.255044 999.21828 | 11 1,097 | 10.1140949 | Prob R-sq | > F uared R-squared | = | 0.0000 0.1002 0.0912 |
| Total | 1110.47332 | 1,108 | 1.00223224 | _ | MSE | = | |
| z17_c | Coef. | Std. Err. | t | P> t | [95% C | Conf. | Interval] |
| std pos | .2101774 | .0375403 | 5.60 | 0.000 | .13651 | .85 | .2838363 |
| empl | .0325359 | .0663298 | 0.49 | 0.624 | 09761 | 17 | .1626835 |
| self_empl | .154625 | .1387227 | 1.11 | 0.265 | 11756 | 67 | .4268167 |
| male | 151021 | .0599872 | -2.52 | 0.012 | 26872 | 36 | 0333184 |
| married | .1407997 | .0628874 | 2.24 | 0.025 | .01740 | 165 | .2641929 |
| union | .0965282 | .0684671 | 1.41 | 0.159 | 03781 | .31 | .2308696 |
| std_age | .0247302 | .0337765 | 0.73 | 0.464 | 04154 | 36 | .0910039 |
| std_church | .0131623 | .0299906 | 0.44 | 0.661 | 04568 | 31 | .0720078 |
| std_sch | .03423 | .0365952 | 0.94 | 0.350 | 03757 | 44 | .1060345 |
| std_class | 0205715 | .0351529 | -0.59 | 0.559 | 0895 | 46 | .048403 |
| std_diag | .1220804 | .036006 | 3.39 | 0.001 | .0514 | 32 | .1927288 |
| _cons | 0942715 | .062915 | -1.50 | 0.134 | 21771 | .89 | .0291759 |

A21 – Italy Positivity Regression 1992 – Individual Factors

. regress z17_c std_pos empl self_empl male married union std_church std_class s > td_diag if v3==8

| Source | SS | df | MS | | per of obs | = | 958 12.72 |
|------------|------------|-----------|------------|-------|------------|-----|--------------|
| Model | 103.625364 | 9 | 11.5139293 | |) > F | = | 0.0000 |
| Residual | 857.943057 | 948 | .905003225 | R-sc | quared | = | 0.1078 |
| | | | | - Adj | R-squared | = | 0.0993 |
| Total | 961.568421 | 957 | 1.00477369 | Root | MSE | = | .95132 |
| | • | | | | | | |
| z17_c | Coef. | Std. Err. | t | P> t | [95% Cor | nf. | Interval] |
| std_pos | .1248694 | .0377573 | 3.31 | 0.001 | .0507718 | 8 | .198967 |
| empl | 1761317 | .0803474 | -2.19 | 0.029 | 333813 | 1 | 0184524 |
| self_empl | .0927608 | .1052966 | 0.88 | 0.379 | 1138806 | 6 | .2994023 |
| male | 0078371 | .0668133 | -0.12 | 0.907 | 1389561 | 1 | .123282 |
| married | .1305386 | .065229 | 2.00 | 0.046 | .0025286 | 6 | .2585486 |
| union | 0338264 | .1024909 | -0.33 | 0.741 | 234961 | 7 | .1673089 |
| std_church | .0435491 | .031862 | 1.37 | 0.172 | 0189791 | 1 | .1060773 |
| std class | 1209419 | .0373619 | -3.24 | 0.001 | 1942634 | 4 | 0476203 |
| std_diag | .11963 | .0403792 | 2.96 | 0.003 | .040387 | 7 | .1988729 |
| _cons | .0008233 | .0641299 | 0.01 | 0.990 | 1250298 | 8 | .1266763 |

A22 - Norway Positivity Regression 1992 - Individual Factors

| Source | SS | df | MS | | er of obs | = | 924 |
|------------|---------------------------------------|-----------|------------|-------|------------------|------|-----------|
| Model | 50.7979845 | 11 | 4.61799859 | | , 912) > F | = | 4.81 |
| Residual | 876.376162 | 912 | .96093877 | | uared | = | 0.0548 |
| Total | 927.174146 | 923 | 1.0045223 | _ | R-squared MSE | = | 0.0434 |
| z17_c | Coef. | Std. Err. | t | P> t | [95% Cd | onf. | Interval] |
| std_pos | .0357274 | .0462865 | 0.77 | 0.440 | 055113 | 31 | .1265678 |
| empl | .0905982 | .0763991 | 1.19 | 0.236 | 059340 | 2 | .2405367 |
| self empl | 1654867 | .1195319 | -1.38 | 0.167 | 400076 | 53 | .0691029 |
| male | 0651093 | .0658526 | -0.99 | 0.323 | 194349 | 94 | .0641309 |
| married | .0531632 | .0796472 | 0.67 | 0.505 | 103149 | 9 | .2094763 |
| union | .0151852 | .0728819 | 0.21 | 0.835 | 127850 |)5 | .1582209 |
| std_age | 0538769 | .0382976 | -1.41 | 0.160 | 129038 | 35 | .0212847 |
| std_church | 0442091 | .0356669 | -1.24 | 0.215 | 114207 | 7 8 | .0257897 |
| std_sch | 0724356 | .0389759 | -1.86 | 0.063 | 148928 | 3 4 | .0040572 |
| std_class | .007152 | .0386819 | 0.18 | 0.853 | 068763 | 39 | .0830679 |
| std_diag | .1907329 | .0462197 | 4.13 | 0.000 | .100023 | 3 4 | .2814423 |
| _cons | 0735307 | .0802914 | -0.92 | 0.360 | 23110 | 8 (| .0840466 |
| | · · · · · · · · · · · · · · · · · · · | <u> </u> | | | | | |

A23 – Sweden Positivity Regression 1992 – Individual Factors

. regress z17_c std_pos self_empl male married std_age if v3==10

| | Source | SS | df | MS | Numl | ber of obs | = | 693 |
|---|-----------|------------|-----------|------------|--------|------------|------|---------------------------------------|
| _ | | | | | - F(5 | , 687) | = | 7.90 |
| | Model | 37.6225391 | 5 | 7.52450782 | e Prol | b > F | = | 0.0000 |
| | Residual | 654.377492 | 687 | .952514545 | R-s | quared | = | 0.0544 |
| _ | | | | | - Adj | R-squared | = | 0.0475 |
| | Total | 692.000032 | 692 | 1.00000005 | Roo | t MSE | = | .97597 |
| | | | | | | | | |
| _ | | | | | | | | · · · · · · · · · · · · · · · · · · · |
| | z17 c | Coef. | Std. Err. | t | P> t | [95% C | onf. | Interval] |
| _ | | | | | | | | |
| | std pos | .2300707 | .0377264 | 6.10 | 0.000 | .15599 | 78 | .3041436 |
| | self empl | 0293214 | .1196743 | -0.25 | 0.807 | 26429 | 27 | .2056499 |
| | male | 0682559 | .0753665 | -0.91 | 0.365 | 21623 | 22 | .0797204 |
| | married | .0214423 | .0814285 | 0.26 | 0.792 | 13843 | 64 | .1813209 |
| | std age | 0403999 | .0403936 | -1.00 | 0.318 | 11970 | 97 | .0389099 |
| | _cons | .0257398 | .0712021 | 0.36 | 0.718 | 11406 | 01 | .1655397 |
| | | | | | | | | |

A24 – Czechoslovakia Positivity Regression 1992 – Individual Factors

| Source | SS | df | MS | Numb | er of ob | s = | 974 |
|------------|------------|-----------|------------|--------|----------|-------|-----------|
| | | | | - F(11 | , 962) | = | 14.63 |
| Model | 138.185042 | 11 | 12.562276 | 6 Prob | > F | = | 0.0000 |
| Residual | 826.043329 | 962 | .858672899 | 9 R-sq | uared | = | 0.1433 |
| | | | | – Adj | R-square | d = | 0.1335 |
| Total | 964.228372 | 973 | .99098496 | 6 Root | MSE | = | .92665 |
| | ' | | | | | | |
| z17_c | Coef. | Std. Err. | t | P> t | [95% (| Conf. | Interval] |
| std pos | .1449616 | .0370806 | 3.91 | 0.000 | .0721 | 935 | .2177298 |
| empl | .1268958 | .0748014 | 1.70 | 0.090 | 0198 | 968 | .2736885 |
| self empl | 352825 | .1440069 | -2.45 | 0.014 | 6354 | 289 | 070221 |
| male | 1998725 | .0615185 | -3.25 | 0.001 | 3205 | 984 | 0791466 |
| married | .0169317 | .0717616 | 0.24 | 0.814 | 1238 | 955 | .1577589 |
| union | 068286 | .0656094 | -1.04 | 0.298 | 19 | 704 | .060468 |
| std age | .1320764 | .0333938 | 3.96 | 0.000 | .0665 | 434 | .1976094 |
| std church | 0355642 | .0304638 | -1.17 | 0.243 | 0953 | 474 | .0242189 |
| std sch | 008229 | .0412758 | -0.20 | 0.842 | 08 | 923 | .072772 |
| std class | 1364127 | .0350907 | -3.89 | 0.000 | 205 | 276 | 0675495 |
| std_diag | .1165153 | .0360954 | 3.23 | 0.001 | .0456 | 806 | .1873501 |
| cons | .0295587 | .0804723 | 0.37 | 0.713 | 1283 | 629 | .1874802 |

A25 – Slovenia Positivity Regression 1992 – Individual Factors

. regress z17_c std_pos empl self_empl male married union std_age std_sch if v3= > =12

| Source | SS | df | MS | | per of obs | = | 864 |
|-----------|------------|-----------|------------|-------|--------------------|-----|----------------|
| Model | 57.929931 | 8 | 7.24124138 | | 855) > F | = | 7.77 0.0000 |
| Residual | 797.008703 | 855 | .932173922 | | quared | = | 0.0678 |
| Total | 854.938634 | 863 | .990658904 | _ | R-squared : MSE | = | 0.0590 |
| z17_c | Coef. | Std. Err. | t | P> t | [95% Cor | nf. | Interval] |
| std_pos | .2575205 | .034488 | 7.47 | 0.000 | .1898294 | 1 | .3252116 |
| empl | .1083784 | .0914249 | 1.19 | 0.236 | 0710651 | L | .2878219 |
| self_empl | .0054012 | .1742077 | 0.03 | 0.975 | 3365236 | 5 | .347326 |
| male | 1203488 | .0663943 | -1.81 | 0.070 | 2506637 | 7 | .0099661 |
| married | 0173312 | .0808404 | -0.21 | 0.830 | 1760001 | L | .1413376 |
| union | 0156126 | .0840357 | -0.19 | 0.853 | 1805531 | L | .1493278 |
| std_age | 0224397 | .0403277 | -0.56 | 0.578 | 1015926 | 6 | .0567131 |
| std_sch | .0443719 | .0357886 | 1.24 | 0.215 | 0258719 | 9 | .1146157 |
| _cons | .0212735 | .0767841 | 0.28 | 0.782 | 129434 | 1 | .1719809 |

A26 – Poland Positivity Regression 1992 – Individual Factors

| Source | SS | df | MS | Numk | per of obs | = | 1,080 |
|------------|------------|-----------|-----------|--------|------------|-----|-----------|
| | | | | - F(11 | 1068) | = | 8.58 |
| Model | 86.9149396 | 11 | 7.9013581 | 5 Prob | > F | = | 0.0000 |
| Residual | 983.2768 | 1,068 | .92067116 | 1 R-sc | quared | = | 0.0812 |
| | | | | – Adj | R-squared | = | 0.0718 |
| Total | 1070.19174 | 1,079 | .99183664 | 5 Root | MSE | = | .95952 |
| | ' | | | | | | |
| z17_c | Coef. | Std. Err. | t | P> t | [95% Cor | nf. | Interval] |
| std_pos | .0936927 | .0348701 | 2.69 | 0.007 | .0252709 |) | .1621145 |
| empl | 0177084 | .0691835 | -0.26 | 0.798 | 1534594 | Į | .1180425 |
| self_empl | 2170549 | .0848158 | -2.56 | 0.011 | 3834794 | Į. | 0506304 |
| male | 098689 | .0610806 | -1.62 | 0.106 | 2185406 | 5 | .0211626 |
| married | .1529465 | .066926 | 2.29 | 0.022 | .0216251 | - | .2842678 |
| union | .0132794 | .0813123 | 0.16 | 0.870 | 1462706 | 5 | .1728294 |
| std_age | 0659742 | .0356382 | -1.85 | 0.064 | 135903 | 3 | .0039546 |
| std_church | .0226737 | .0300407 | 0.75 | 0.451 | 0362717 | 7 | .0816192 |
| std_sch | .0097593 | .0391002 | 0.25 | 0.803 | 0669628 | } | .0864813 |
| std_class | 1151197 | .0348008 | -3.31 | 0.001 | 1834053 | 3 | 0468341 |
| std_diag | .1389007 | .0334592 | 4.15 | 0.000 | .0732475 | 5 | .204554 |
| _cons | 0018779 | .0664491 | -0.03 | 0.977 | 1322635 | 5 | .1285076 |
| | | | | | | | |

A27 – Bulgaria Positivity Regression 1992 – Individual Factors

. regress z17_c std_pos empl self_empl male married union std_age std_church std > _sch std_class if v3==14

| Source | SS | df | MS | | er of obs | | 881 |
|--------------------------|------------|-----------|------------------------|--------|-----------|-------------------|-------------|
| | | | | - F(10 | , 870) | = | 14.99 |
| Model | 128.307935 | 10 | 12.8307935 | Prob | > F | = | 0.0000 |
| Residual | 744.832385 | 870 | .856129178 | R-sq | uared | = | 0.1469 |
| | | | | Adj | R-squared | = £ | 0.1371 |
| Total | 873.140319 | 880 | .992204908 | Root | MSE | = | .92527 |
| ' | ı | | | | | | |
| | | | | | | | |
| z17_c | Coef. | Std. Err. | t | P> t | [95% 0 | Conf. | Interval] |
| | Coef. | Std. Err. | | P> t | .10112 | | Interval] |
| z17_c std_pos empl | | | 4.73 | | | 232 | |
| std_pos | .1728733 | .036557 | 4.73 | 0.000 | .10112 | 232 | .2446234 |
| std_pos | .1728733 | .036557 | 4.73 -0.50 -2.47 | 0.000 | .10112 | 232 083 357 | .2446234 |

-0.16 0.873 -.1779161

-0.42 0.677 -.0807743

1.67 0.096 -.0226673

3.25 0.001

-0.36 0.715

-.1428612 .0355177 -4.02 0.000 -.2125717 -.0731508

.1511518

.05252

.27937

.0516839 .2096192

-.0753699 .0517385

A28 – Russia Positivity Regression 1992 – Individual Factors

-.0133822 .0838307

.1306515 .0402343

-.0118157 .0323811

-.0141272 .033957

.1283513 .0769446

std_age

std_sch

_cons

std_church

std class

union

. regress z17 c std pos empl self empl male married union std age std sch std cl > ass if v3==15

| Source | SS | df | MS | Numk | er of obs | = | 1,362 |
|-----------|------------|-----------|-----------|--------|-----------|-----|--------------|
| | | | | F(9, | 1352) | = | 29.21 |
| Model | 219.518517 | 9 | 24.390946 | 3 Prob | > F | = | 0.0000 |
| Residual | 1128.80399 | 1,352 | .83491419 | 2 R-sc | quared | = | 0.1628 |
| | | | | — Adj | R-squared | = | 0.1572 |
| Total | 1348.3225 | 1,361 | .99068516 | 1 Root | MSE | = | .91374 |
| | | | | | | | |
| | | | | | | | |
| z17_c | Coef. | Std. Err. | t | P> t | [95% Con | ıf. | Interval] |
| | | | | | | | |
| std_pos | .2154732 | .0281052 | 7.67 | 0.000 | .1603385 | ; | .2706078 |
| empl | 0189037 | .0646939 | -0.29 | 0.770 | 1458151 | | .1080077 |
| self_empl | 5045913 | .1361607 | -3.71 | 0.000 | 7717004 | | 2374822 |
| male | 3559929 | .051809 | -6.87 | 0.000 | 4576277 | , | 2543582 |
| married | .0382173 | .0557918 | 0.68 | 0.493 | 0712306 | 5 | .1476651 |
| union | .1443403 | .0696916 | 2.07 | 0.039 | .007625 | , | .2810557 |
| std age | .1688617 | .0270644 | 6.24 | 0.000 | .1157689 |) | .2219546 |
| std sch | 0020855 | .0277613 | -0.08 | 0.940 | 0565454 | | .0523745 |
| std class | 0231068 | .0290354 | -0.80 | 0.426 | 0800662 |) | .0338525 |
| _cons | .0688971 | .0642421 | 1.07 | 0.284 | 0571278 | 3 | .1949221 |

A29 – New Zealand Positivity Regression 1992 – Individual Factors

. regress z17_c std_pos empl self_empl male married union std_age std_sch std_cl > ass std_diag if v3==16

| Source | SS | df | MS | Number of obs | = | 1,039 17.26 |
|----------|------------|-------|------------|-------------------------|---|----------------|
| Model | 147.957027 | 10 | 14.7957027 | F(10, 1028) Prob > F | = | 0.0000 |
| | | | | | | |
| Residual | 880.973751 | 1,028 | .856978357 | R-squared | = | 0.1438 |
| | | | | Adj R-squared | = | 0.1355 |
| Total | 1028.93078 | 1,038 | .991262792 | Root MSE | = | .92573 |
| | | | | | | |

| z17_c | Coef. | Std. Err. | t | P> t | [95% Conf. | Interval] |
|-----------|----------|-----------|-------|-------|------------|-----------|
| std_pos | .1194901 | .0411578 | 2.90 | 0.004 | .0387271 | .200253 |
| empl | 0788828 | .0775258 | -1.02 | 0.309 | 2310097 | .0732442 |
| self_empl | 1368465 | .0946816 | -1.45 | 0.149 | 3226377 | .0489447 |
| male | 1487008 | .0596819 | -2.49 | 0.013 | 265813 | 0315886 |
| married | .0669018 | .0646639 | 1.03 | 0.301 | 0599865 | .1937901 |
| union | .1434165 | .0809338 | 1.77 | 0.077 | 0153977 | .3022308 |
| std age | .0230806 | .0340409 | 0.68 | 0.498 | 0437171 | .0898782 |
| std sch | 0062871 | .0313049 | -0.20 | 0.841 | 0677158 | .0551417 |
| std class | 0687147 | .0385646 | -1.78 | 0.075 | 1443891 | .0069597 |
| std diag | .1874805 | .0425343 | 4.41 | 0.000 | .1040166 | .2709444 |
| cons | .0694145 | .0661159 | 1.05 | 0.294 | 0603231 | .1991521 |

A30 – Canada Positivity Regression 1992 – Individual Factors

| Source | SS | df | MS | Number of obs | = | 551 |
|----------|------------|-----|--------------|---------------|---|--------|
| | | | | F(10, 540) | = | 5.34 |
| Model | 51.3290533 | 10 | 5.13290533 | Prob > F | = | 0.0000 |
| Residual | 519.237275 | 540 | .961550509 | R-squared | = | 0.0900 |
| | | | | Adj R-squared | = | 0.0731 |
| Total | 570.566328 | 550 | 1.03739332 | Root MSE | = | .98059 |

| z17_c | Coef. | Std. Err. | t | P> t | [95% Conf. | Interval] |
|------------|----------|-----------|-------|-------|------------|-----------|
| std_pos | .1514207 | .0572967 | 2.64 | 0.008 | .0388689 | .2639725 |
| empl | .0359264 | .0974444 | 0.37 | 0.713 | 1554901 | .2273428 |
| self_empl | .148346 | .1256296 | 1.18 | 0.238 | 0984366 | .3951287 |
| male | 0345408 | .08672 | -0.40 | 0.691 | 2048906 | .135809 |
| married | .1076322 | .0922808 | 1.17 | 0.244 | 0736411 | .2889056 |
| union | 0227981 | .1024215 | -0.22 | 0.824 | 2239916 | .1783953 |
| std_age | .0393929 | .0453482 | 0.87 | 0.385 | 0496876 | .1284735 |
| std_church | .0780003 | .0441871 | 1.77 | 0.078 | 0087995 | .1648 |
| std_class | .0594296 | .0522614 | 1.14 | 0.256 | 043231 | .1620901 |
| std_diag | .2036654 | .0578407 | 3.52 | 0.000 | .090045 | .3172857 |
| _cons | 0462477 | .0930263 | -0.50 | 0.619 | 2289854 | .1364901 |

A31 – Philippines Positivity Regression 1992 – Individual Factors

| Source | SS | df | MS | | per of obs | = | 1,182 1.81 |
|------------|------------|-----------|------------|--------|------------|-----|---------------|
| Model | 16.1613604 | 9 | 1.79570671 | | > F | = | 0.0622 |
| Residual | 1162.51854 | 1,172 | .991910019 | R-sc | quared | = | 0.0137 |
| | | | | - Adj | R-squared | = | 0.0061 |
| Total | 1178.6799 | 1,181 | .99803548 | B Root | MSE | = | .99595 |
| ' | ' | | | | | | |
| z17_c | Coef. | Std. Err. | t | P> t | [95% Co | nf. | Interval] |
| std_pos | .0853793 | .0303557 | 2.81 | 0.005 | .025821 | 8 | .1449369 |
| empl | 0793789 | .0703285 | -1.13 | 0.259 | 217362 | 7 | .0586048 |
| self_empl | .0444979 | .0734677 | 0.61 | 0.545 | 09964 | 5 | .1886408 |
| male | .0232481 | .0624243 | 0.37 | 0.710 | 099227 | 7 | .1457239 |
| married | 051673 | .0695721 | -0.74 | 0.458 | 188172 | 7 | .0848268 |
| union | 1620897 | .2481556 | -0.65 | 0.514 | 648968 | 5 | .3247891 |
| std age | .0375992 | .0312501 | 1.20 | 0.229 | 023713 | 2 | .0989116 |
| std church | .0239375 | .0303116 | 0.79 | 0.430 | 035533 | 6 | .0834086 |
| std_sch | .0905618 | .0312844 | 2.89 | 0.004 | .02918 | 2 | .1519415 |
| _cons | .0562754 | .0693567 | 0.81 | 0.417 | 079801 | 8 | .1923526 |

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