“The ability of trust to influence GDP per capita”

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ARTICLE INFO

DOI
http://dx.doi.org/10.21511/ppm.18(1).2020.26

RELEASED ON
Monday, 30 March 2020

RECEIVED ON
Thursday, 19 September 2019

ACCEPTED ON
Wednesday, 11 March 2020

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JOURNAL
"Problems and Perspectives in Management"

ISSN PRINT
1727-7051

ISSN ONLINE
1810-5467

PUBLISHER
LLC “Consulting Publishing Company “Business Perspectives”

FOUNDER
LLC “Consulting Publishing Company “Business Perspectives”

NUMBER OF REFERENCES
29

NUMBER OF FIGURES
3

NUMBER OF TABLES
3

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The article explores social capital and its impact on economic development. This paper aims to analyze the role of trust in the process of growth and economic development. The interdependence of GDP per capita and trust level as an element of social capital has been analyzed. The correlation between trust and GDP per capita in 43 countries has been reflected. World Values Survey (WVS) was used to obtain empirical trust data. To determine the relationship between confidence level and GDP per capita, the correlation model was built. The regression coefficient $b = 0.834$ shows the average change in the effective indicator. Thus, with an increase of 1 unit of trust, GDP per capita rises by an average of 0.834. The coefficient of determination indicates that 60.68% of cases of changes in trust lead to a change in GDP per capita. The result suggests that trust serves as a tool in assisting the economic growth and company's value. The study examines the tools that help to build trust, as economic development as a whole depends on it.

INTRODUCTION

The potential and processes of an economic network in a post-industrial economy directly depend on trust at both the macro and micro levels. Purposeful activity on the formation and development of trust allows using social capital to increase the efficiency and competitiveness of both individual enterprises and the entire economic system.

The social capital analysis requires assessing the factors of the formation and destruction of trust in the country. Such factors are the firm’s stable relationships with counterparties, staff stability, reputation in the media, independent analytical rankings, investment rankings, etc.

For research, social capital is important to generate output data, which includes data on key stakeholders of the enterprise, their relationships, cost of social capital formation, factors of formation and destruction of trust in the company from internal and external stakeholders (business capital formation).

This paper investigates whether social capital has an economic payoff. The paper focuses primarily on the role of trust, as authors feel it is the most important indicator of social capital. The empirical measure that they use to proxy for trust is based on WVS question. The results of Knack and Keefer (1997) point to a statistically significant effect of trust on growth. They state: “The coefficient for trust indicates that a ten percentage point rise in that variable is associated with an increase
in growth of four-fifths of a percentage point”. Trust – again measured by the “generally speaking” question – has a positive and significant impact on economic growth.

Macroeconomic reasoning regarding the transaction-cost-reducing effect of trust is based on the micro insights derived mainly from management and organization studies. Given that trust is a multi-level phenomenon, its measurement becomes even more important. Implicitly, many economists assume that the measurement of trust using this World Values Survey question captures the micro aspects.

The article does not intend to diminish the value of past research, but rather to broaden the correlations between social capital and economic development, not only at the state but also at the enterprise level, based on their past results.

1. THEORETICAL BASIS

The results of the existing research on social capital indicate that trust is an important factor contributing to economic growth as it has an impact on the macro and micro levels of the economy.

Arrow (1972) attributed the backwardness of an economy with a low level of trust, or none at all since any economic transaction has a trust factor. Thus, he argued that a significant number of developing countries could not accelerate economic development due to a lack of mutual trust.

Fukuyama (1995) noted that trust is a key factor of economic development. He considered social capital as a form of materialized trust. People without trust can only cooperate within a system of formal rules and regulated systems. Such systems lead to unjustified growth in transaction costs, which hinder business growth and, as a result, the state. That is, the mistrust that is widespread in society imposes additional taxes on all economic activity that a high-level society does not pay.

Putnam, Leonardi and Nanetti (1993) examined the correlation between economic development and trust. They showed that social capital contributes to economic growth in various ways, but there is a threat that economic development can destroy social capital.

The impact of the war on the economy and society is undeniable. The study of social capital raises the question of its impact in times of war. First, its manifestation is observed in the association of citizens aimed at pursuing any common interests. This trend is confirmed by Tocqueville (1864).

He succeeded in proving that the desire of the Americans to unite to meet the common needs and common interests was a prerequisite for democracy. Social capital, which is the origin of the group, contributes to the growth of cooperation, improves management efficiency and the level of socialization. The result is a strengthening of collective norms and trust.

Hilary and Huang (2016) note that companies operating in regions where trust is more prevalent (using a general social trust survey) are less affected by agency problems, are more profitable, and have higher rates, while Hasan, Hoi, Wu, and Zhang (2016) found that firms operating in regions with higher levels of social capital have moderately better borrowing conditions and lower transaction costs. Social networks as an element of social capital are the subject of individual research. Networks that are more trusted than other types of networks tend to share more complete and confidential information. This is due to sustained interaction and a situation where counterparties trust each other.

According to Rudziewicz (2016), lack of trust in the enterprise or between enterprises destroys social responsibility. The effects of distrust lead to poor product and service quality, diminishing customer and employee satisfaction, as well as company profits, limiting its development prospects.

Boele and van Vlissingen (2018) note that a strong reputation, transparent reporting, and a ‘do not harm’ approach are certainly important ways to maintain trust. Collectively, all are necessary inputs to enhancing trust, but other shifts and new capabilities are required in response to the current trust crisis.
Whiteley (2000) analyzed GDP per capita growth in 34 countries and found a relationship between trust and economic growth. All trust indicators are positively correlated, and they have the same significant impact as social capital on economic growth.

Empirical studies of Neira, Vázquez, and Portela (2008), Helliwell and Putnam (1995), Peiró-Palomino and Tortosa-Ausina (2015) indicate that the level of social capital region or country is positively correlated with its economic indicators. Society and business must clearly understand that trust is a real investment that requires resources: financial, intellectual, labor, innovation, and more. Formation, existence, and accumulation of social capital is the prerequisites for the development of a modern business environment.

New research on social capital aims at quantifying it at the enterprise level and demonstrating its quantitative and qualitative impact on the firm's economic performance (Engbers, Rubin, & Aubuchon 2017; Oh, Lee, & Bush, 2014). The question of major risks in the creation of social capital and the destruction of trust, especially in times of economic crisis, remains relevant. That is, how companies can influence the preservation or restoration of social capital, formal and informal networks and associations, which may be threatened or destroyed in crises.

Formation of counterparty loyalty occurs at the expense of advertising costs, expansion of the customer base, maintenance of the high quality of products (an increase of the consumer value of the offer), high standards of service, reduction of prices.

Social capital in relation to suppliers is the trust of market contractors, which reduces the degree of uncertainty and riskiness in the enterprise, allows optimizing costs, and improving product quality.

Corporate social responsibility is a tool for increasing the level of trust and the formation of social capital. Research shows the significant benefits of CSR for business. Advantages include increasing the market value (Edmans, 2011; Flammer, 2015; Harjoto & Jo, 2015), reducing the risk and cost of capital raised (Dhaliwal, Radhakrishnan, Tsang, & Yang, 2012; El Ghoul, Guedhami, & Kim, 2017), increasing the level of ease of investment attraction (Cheng, Ioannou, & Serafeim, 2014). The same studies indicate that businesses with better CSR rates minimize information asymmetry both within the firm and between key stakeholders.

Corporate social responsibility generates trust within the enterprise, creates a special internal environment that stimulates innovative processes, propensity for learning and experimentation, which is extremely important for the development of human and intellectual capital. Corporate social responsibility of the enterprise takes into account the values of the main shareholders, customers, and employees, and promotes their trust in the enterprise. Corporate social responsibility is important for achieving a high level of employee satisfaction, improving the efficiency of doing business, innovative activity. Corporate culture has an impact on value growth in three ways: increasing the work motivation and involvement of employees in the work process, increasing the company's reputation as an employer, improving the ethics of communication with clients and partners.

The value of effective corporate social responsibility is reflected in the market value of the enterprise. Complex financial structure and non-transparent corporate governance have a significant impact on cost reduction. The significant role of corporate social responsibility in creating social capital and building trust in an enterprise is conditioned by the fact that it ensures a balance of interests between shareholders, staff, clients, and the public, and determines strategic decisions that promote responsible and ethical business conduct.

Thus, it is corporate social responsibility that the company set of dominant values and behaviors plays a decisive role in the formation of trust at the micro-level.

Lins, Servaes, and Tamayo (2015) found that during the 2008–2009 financial crisis, firms with high social capital, measured as corporate social responsibility (CSR) intensity, had stock returns that were four to seven percentage points higher than firms with low social capital. High-CSR firms also experienced higher profitability, growth, and sales per employee relative to low-CSR firms, and they
raised more debt. This evidence suggests that the
trust between the firm and both its stakeholders
and investors, built through investments in social
capital, pays off when the overall level of trust in
corporations and markets suffers a negative shock.

The data used in the study were obtained from
World Values Survey (WVS). WVS is the largest
research project to study the values and beliefs of
people in the world. Data were used from the latest
wave of surveys for 2010–2014. According to
the World Values Survey, using a sampling meth-
ood as a data collection method, a systematic and
standardized approach to collecting information
through surveys of representatives of different na-
tionalities and residents of different countries, has
created a chart that allowed showing the depend-
ence of economic development of 43 countries on
the level of trust in society. The main stages of a
sample survey are questionnaire, sampling, data
collection and analysis.

2. RESULTS

To ensure sustainable economic development, it
is important to accumulate not only physical but
also social capital. Trust in this case is one of the
main representative factors of social capital from
an economic point of view, as more and more re-
search shows the dependence of economic growth
on social capital.

Knack and Keefer (1997), Zak and Knack (2001),
and Beugelsdijk, De Groot, and Van Schaik (2004),
have been considered important studies on the
dependence of economic development and trust.
Beugelsdijk, De Groot, and Van Schaik (2004) found
that in contrast to the findings of Knack and Keefer (1997), the results on trust and growth
obtained by Zak and Knack (2001) were robust.
Zak and Knack (2001) add 12 less developed coun-
tries to the sample of 29 countries used by Knack
and Keefer, and it results in increased variance on
the lower side, i.e., low trust countries, resulting in
increased robustness.

Sample-specific effect is shown in Table 1, which is
taken from Beugelsdijk, De Groot, and Van Schaik
(2004). It shows the effect of adding countries to
the sample of Knack and Keefer (1997). Countries
are added according to their trust score, from high
to low. Using extreme bounds analysis and con-
trolling for a large number of additional variables,
the third and fourth columns show the effect on
the mean effect size of the estimated coefficient of
trust and the fraction of significant estimates of
trust, respectively.

Table 1. Effects of the composition of the sample
on trust using EBA analysis

<table>
<thead>
<tr>
<th>Step (N)</th>
<th>Sample (country added to previous sample)</th>
<th>Mean value of estimated coefficient of trust</th>
<th>Fraction of significant coefficients (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>29</td>
<td>Knack and Keefer sample (29 countries)</td>
<td>0.030</td>
<td>4.5</td>
</tr>
<tr>
<td>30 (50)</td>
<td>Greece (GRC)</td>
<td>0.025</td>
<td>0.9</td>
</tr>
<tr>
<td>31 (42)</td>
<td>Oman (OAN)</td>
<td>0.036</td>
<td>11.2</td>
</tr>
<tr>
<td>32 (37)</td>
<td>New Zealand (NZL)</td>
<td>0.037</td>
<td>16.6</td>
</tr>
<tr>
<td>33 (32)</td>
<td>Luxembourg (LUX)</td>
<td>0.036</td>
<td>17.6</td>
</tr>
<tr>
<td>34 (26)</td>
<td>Dominican Republic (DOM)</td>
<td>0.038</td>
<td>22.7</td>
</tr>
<tr>
<td>35 (22)</td>
<td>Ghana (GHA)</td>
<td>0.040</td>
<td>28.1</td>
</tr>
<tr>
<td>36 (22)</td>
<td>Uruguay (URY)</td>
<td>0.042</td>
<td>49.2</td>
</tr>
<tr>
<td>37 (21)</td>
<td>Bangladesh (BGD)</td>
<td>0.042</td>
<td>42.7</td>
</tr>
<tr>
<td>38 (14)</td>
<td>Venezuela (VEN)</td>
<td>0.043</td>
<td>56.2</td>
</tr>
<tr>
<td>39 (10)</td>
<td>Colombia (COL)</td>
<td>0.044</td>
<td>67.2</td>
</tr>
<tr>
<td>40 (6)</td>
<td>Philippines (PHL)</td>
<td>0.051</td>
<td>91.6</td>
</tr>
<tr>
<td>41 (5)</td>
<td>Peru (PER)</td>
<td>0.061</td>
<td>99.9</td>
</tr>
</tbody>
</table>

The result indicates that countries with weak in-
stitutions and low confidence lack economic de-
velopment. Beugelsdijk, De Groot, and Van Schaik
(2004) also found that the effect of the trust vari-
able on growth is dependent on the underlying
sample (see column 3 of Table 1).

The work of Arrow (1972) is one of the most im-
portant studies concerning the dependence of
GDP per capita on the level of trust in society. The
study states, “Virtually every commercial transac-
tion has within itself an element of trust, certainly
any transaction conducted over a while.”

Table 2 presents the results of the application of
this method to the sample of Zak and Knack (2001).
Next to the variables belonging to the standard

http://dx.doi.org/10.21511/ppm.18(1).2020.26
growth model, it shows the results of the two trust variables reflecting the below-mean trust countries and the above-mean trust countries.

**Table 2. Sub-sample estimation of trust**

<table>
<thead>
<tr>
<th>Variables</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Constant</td>
<td>−1.60 (0.77)*</td>
</tr>
<tr>
<td>Initial GDP per capita 1970</td>
<td>−0.274 (0.088)**</td>
</tr>
<tr>
<td>Price of investment</td>
<td>0.176 (0.035)**</td>
</tr>
<tr>
<td>Years of education</td>
<td>−0.084 (0133)</td>
</tr>
<tr>
<td>Trust 1: low trust countries</td>
<td>0.064 (0.028)*</td>
</tr>
<tr>
<td>Trust 2: high trust countries</td>
<td>0.009 (0.028)</td>
</tr>
<tr>
<td>R-squared</td>
<td>0.54</td>
</tr>
<tr>
<td>N</td>
<td>41</td>
</tr>
</tbody>
</table>

Dependent = growth 1970–1992

Method = OLS

*Note: The figure in parentheses reflects the standard error; **p < 0.01, *p < 0.05.*

The mean value of trust in this sample is 32.35 (technically, the two trust variables are created by applying the following spline function trust1 = min (trustinit, 32.35) and trust2 = max (trustinit, 32.36). Table 2 shows that trust is only significant in the low trust part of the sample, coinciding with the developing countries. Besides, it shows that the effect size differs considerably between the two sub-samples, 0.064 in the low trust part and 0.009 in the high trust part.

This implies that, whereas Knack and Keefer have argued that their negative interaction effect suggests that the effect of trust on growth is larger for less developed countries with lower levels of economic development, the results of Table 2 suggest that the trust variable is significant in the developing countries (with low scores on trust) and not significant in developed countries (with high scores on trust).

WVS data for 2014 indicate a stronger correlation between confidence and GDP per capita. The study compared trust levels in 43 countries with their GDP per capita in 2014. The chart below confirms the authors’ assumptions.

The linear regression equation:

\[ y = bx + a. \]  

The estimated regression equation (constructed from sample data) will be of the form:

\[ y = bx + a + \varepsilon, \]  

where \( \varepsilon \) – random error (deviation, perturbation), \( a \) and \( b \), respectively, of the estimated parameters \( \alpha \) and \( \beta \) of the regression model.

Since the deviations \( \varepsilon_i \) for each particular observation \( i \) are random and their values in the sample are unknown, then:

1) from observations \( x \) and \( y \), only estimates of the parameters \( \alpha \) and \( \beta \) can be obtained;

2) the estimates of the parameters \( \alpha \) and \( \beta \) of the regression model are, respectively, the values of

![Figure 1. The correlations between trust and GDP per capita](http://dx.doi.org/10.21511/ppm.18(1).2020.26)
which are random in nature, because a match a random sample; to estimate the parameters α and β, the least-squares method was used.

The least-squares method gives the best (consistent, effective, and unbiased) estimates of the parameters of the regression equation. The criterion can be denoted as follows:

\[
S = \sum (y_i - \hat{y}_i)^2 \rightarrow \min. 
\]  

(3)

The system of normal equations:

\[
a \cdot n + b \cdot \sum x = \sum y, 
\]  

(4)

<table>
<thead>
<tr>
<th>Table 3. Regression parameters</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Country</strong></td>
</tr>
<tr>
<td>-------------------------------</td>
</tr>
<tr>
<td>Algeria</td>
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<tr>
<td>Azerbaijan</td>
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<td>Argentina</td>
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<tr>
<td>Australia</td>
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<tr>
<td>Armenia</td>
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<td>Brazil</td>
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<td>Belarus</td>
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<td>Chile</td>
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<td>Taiwan</td>
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<td>Ecuador</td>
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<td>Estonia</td>
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<td>Georgia</td>
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<td>Germany</td>
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<td>Ghana</td>
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<td>Hong Kong</td>
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<td>India</td>
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<td>Iraq</td>
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<td>Japan</td>
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<td>Kazakhstan</td>
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<td>Lebanon</td>
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<td>Libya</td>
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<td>Mexico</td>
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<td>Morocco</td>
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<td>Netherlands</td>
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<tr>
<td>New Zealand</td>
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<td>Nigeria</td>
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<td>Peru</td>
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<td>Philippines</td>
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<td>Poland</td>
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<tr>
<td>Romania</td>
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<tr>
<td>Slovenia</td>
</tr>
<tr>
<td>South Africa</td>
</tr>
<tr>
<td>Spain</td>
</tr>
<tr>
<td>Sweden</td>
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<tr>
<td>Thailand</td>
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<tr>
<td>Tunisia</td>
</tr>
<tr>
<td>Turkey</td>
</tr>
<tr>
<td>Ukraine</td>
</tr>
<tr>
<td>Egypt</td>
</tr>
<tr>
<td>United States</td>
</tr>
<tr>
<td>Uruguay</td>
</tr>
<tr>
<td>Uzbekistan</td>
</tr>
<tr>
<td>( \sum )</td>
</tr>
</tbody>
</table>
To calculate the regression parameters, we construct the calculated regression parameters (Table 3).

For the data, the system of equations is as follows:

\[ 43a + 993.6b = 1078.35, \]  
\[ 993.6a + 33600.58b = 33796.238. \]  

Let us multiply the equation (1) of the system by (-23.107), then, the system is obtained being solved by the algebraic addition method.

\[ -993.6a - 22959.115 - 24917.433, \]  
\[ 993.6a + 33600.58b = 33796.238. \]  

getting 10641.465b = 8878.805,

where \( b = 0.8344. \)

Now the coefficient “\( a \)” is found from equation (1):

\[ 43a + 993.6b = 1078.35, \]  
\[ 43a = 249.33, \]  
\[ a = 5.7984. \]  

The empirical regression coefficients are obtained: \( b = 0.8344, a = 5.7984. \)

Regression equation (empirical regression equation):

\[ y = 0.8344x + 5.7984 \]  

The empirical regression coefficients \( a \) and \( b \) are only estimates of the theoretical coefficients \( \beta_i \), and the equation itself reflects only the general tendency in the behavior of the variables in question.

2.1. Parameters of the regression equation

Sample averages:

\[ \bar{x} = \frac{\sum x}{n} = \frac{993.6}{43} = 23.107, \]  
\[ \bar{y} = \frac{\sum y}{n} = \frac{1078.35}{43} = 25.078, \]  

\[ \bar{xy} = \frac{\sum xy}{n} = \frac{33796.24}{43} = 785.959. \]  

Sample variances:

\[ S^2(x) = \frac{\sum x^2}{n} - \bar{x}^2 = \]  
\[ = \frac{33600.58}{43} - 23.107^2 = 247.48, \]  

\[ S^2(y) = \frac{\sum y^2}{n} - \bar{y}^2 = \]  
\[ = \frac{39251.84}{43} - 25.078^2 = 283.93. \]  

Standard deviation:

\[ S(x) = \sqrt{S^2(x)} = \sqrt{247.48} = 15.731, \]  
\[ S(y) = \sqrt{S^2(y)} = \sqrt{283.93} = 16.85. \]  

Correlation coefficient \( b \)

\[ b = \frac{x \cdot y - \bar{x} \cdot \bar{y}}{S^2(x)} = \]  
\[ = \frac{785.959 - 23.107 \cdot 25.078}{247.48} = 0.8344, \]  

\[ a = \bar{y} - b \cdot \bar{x} = 5.7984. \]  

Covariance:

\[ cov(x, y) = x \cdot y - \bar{x} \cdot \bar{y} = \]  
\[ = 785.959 - 23.107 \cdot 25.078 = 206.48. \]  

Communication tightness indicator:

\[ r_{xy} = \frac{x \cdot y - \bar{x} \cdot \bar{y}}{S(x) \cdot S(y)} = \]  
\[ = \frac{785.959 - 23.107 \cdot 25.078}{15.731 \cdot 16.85} = 0.779. \]  

The linear correlation coefficient takes values from -1 to +1.

The relationship between the symptoms can be weak and strong (close). Their criteria are graded on the Cheddok scale:
In this case, the connection between the sign $Y$ and factor $X$ is high and direct.

Besides, the linear pair correlation coefficient can be determined through the regression coefficient $b$:

$$r_{xy} = b \frac{S(x)}{S(y)} = 0.834 \frac{15.731}{16.85} = 0.779.$$  \hfill (23)

2.2. Regression equation:

$$y = r_{xy} \cdot \frac{x - \bar{x}}{S(x)} \cdot S(y) + \bar{y} =$$

$$= 0.779 \frac{x - 23.107}{16.85} + 25.078 = 15.731$$

$$= 0.834x + 5.798.$$  \hfill (24)

Linear regression equation:

$$y = 0.834x + 5.798.$$  

The coefficient of determination $R^2 = 0.779^2 = 0.6068$

2.3. Coefficient of determination:

The coefficient of determination indicates that 60.68% of cases of changes in $x$ lead to a change in $y$. The accuracy of the selection of the regression equation is average. The remaining 39.32% of the change in $Y$ is explained by factors not taken into account in the model (as well as specification errors).

The correlation between GDP (in US dollars) per capita and trust of countries, plotted in a chart diagram.


Figure 2. The correlations between trust and GDP per capita in the European countries
The dependence of GDP per capita on confidence has been studied. At the specification stage, paired linear regression was chosen. Its parameters are estimated by the least-squares method. The statistical significance of the equation is verified using the coefficient of determination. It is established that in the studied situation, 60.68% of the total variability of GDP per capita is explained by a change in the level of confidence.

3. DISCUSSION

The problem of the developing country, its regions, and enterprises through increasing competitiveness is extremely important. This problem is particularly acute for countries with fragile economies. A productive theory to justify approaches to finding ways to solve problems in the country is the concept of social capital and trust. Within the framework of this concept, it is possible to identify resources that will be basic for economic and social development and to evaluate non-economic factors of development. However, despite the considerable amount of research on social capital, this concept is not yet fully used; there is no full understanding of it and its prospects. This is due, first, to the lack of approaches to its evaluation and the complexity of measurement.

The development of war-affected states today is unlike the needs of disaster-stricken states or Western Europe after the end of World War II. The biggest difference is that rebuilding countries tend to be “weak” when they are required to have a broad institutional capacity. When building institutional capacity, the basis for its effective functioning is a socio-economic system capable of quality growth and self-development. Given that Ukraine is a country with diverse conditions for development in the regions, it is important to emphasize the lack of a single model of transformation.

Today, businesses seeking growth and development are increasingly paying attention to the formation of social capital. This problem is of particular relevance to us in the context of hybrid warfare. Thus, a new requirement is put forward for the management system: increasing the level of trust as an element of social capital, internally and with contractors. Trust building is considered at two levels: trust that exists within businesses and trust between businesses.

Figure 3 presents the process of developing trust between counterparties.

Competency assessment can be important as an indicator of the counterparty’s ability to work together over the long term. This is because competence is tangible and is generally considered an early stage of trust-building. Trustworthiness is formed when contracting. As cooperation begins, it is anticipated that business-to-business friendliness will affect information sharing, communication, and quality control. The clear fulfillment of the contract terms leads to increased cooperation. This enables, in times of hybrid war, to keep in touch with businesses.

Other factors influence the formation of trust within the enterprise. Social capital concerning

![Figure 3. The process of developing trust between contractors](image-url)
shareholders is the shareholders’ trust in the company, its management, and its policies. It is necessary to note the “double” role of shareholders in the process of building trust as an element of social capital. On the one hand, under their influence, corporate culture is formed; on the other hand, they provide capital inflows. The role of controlling shareholders in the formation of social capital is key. They define corporate culture and shape common norms and values that are important in building trust with other stakeholders.

Ukrainian enterprises do not consider social capital as an object of investment, but develop some of its elements in the context of implementing the concept of sustainable development. Yet, non-financial and integrated reporting of the most transparent enterprises does not contain information on the formation of social capital. However, virtually every business is engaged in charity, volunteering, social work with the community.

Social capital can be external and internal because it is formed in interaction with both the external (buyers, suppliers, creditors, investors, society) and internal (shareholders, employees, management) environment. The internal capital has a significant impact on external one. Thus, the corporate culture depends on the shareholders and management, which builds the trust of external stakeholders in the enterprise, its products, and activities in general. Therefore, social capital analysis is a process of gradual assessment of the level of stakeholder trust.

Considering the formation of social capital at the micro level, and taking into account the structural elements of the Legatum Prosperity Index (2019), it can be concluded that charity, volunteering, community work, and concern for workers are factors for the development of social capital. In assessing social capital at the meta, macro and micro levels, indicators such as the level of trust and the number of social groups in society are key. Despite the relativity of this indicator, it is important for forming the socio-economic policies and assessing the degree of social development.

Speaking of increasing trust, several elements need to be addressed: 1) the essential characteristic of trust is the fact that it is embodied in the social relations of the subjects, and not in the subjects or objects as such; 2) being essentially a public good, trust grows in the process of its use; it builds strong relationships based on engagement, embodied in the creation of shared values; 3) manifesting itself in social relations, trust reflects the structure of relationships and can be useful in analyzing the social structure of society. Being involved in a particular network of relationships at a certain social level allows the entities to use the resources of that network to achieve their goals.

According to marketing agency Cone/Roper (Cone Communications, 1993), 78% of adult consumers are more likely to buy goods from a company whose product is associated with a “good cause”. More than 86% of European consumers tend to buy products from companies that are involved in socially significant projects.

Besides, corporate social responsibility increases the level of trust between employees, promotes cohesion, mutual support, cooperation, social interaction, and provides a reduction of staff turnover, increase of professionalism, increase of productivity, collective growth of knowledge, improvement of product quality. These aspects affect social capital as they increase the motivation to increase the professionalism of employees, which increases the value of social capital. Corporate social responsibility has been identified as a key tool for generating social capital and increasing trust in the enterprise. CSR defines the parameters of corporate governance, which promotes the trust of contractors of all levels and improves the efficiency of the enterprise’s activity. Trust creates the conditions for a willingness to act together, which can be seen as an indicator of trust measurement. The result suggests that trust serves as a tool in assisting economic growth and company’s value.

An important aspect of internal social capital formation is the fair distribution of income received by the enterprise. The sources of internal social capital formation are the integrity, reliability, and responsibility of the enterprise concerning staff, that is, actions that maintain trust in the enterprise of its employees. Sustainable enterprise credibility helps reduce any risk associated with hybrid war.
In most cases, trust is the result of the firm’s strong relationships with suppliers, customers, contractors, distributors. Despite differing definitions of trust, trust is generally considered an important process of network and partnership development, and partners are expected to rely on commitment. In practice, trust is associated with activities that help establish a reputation, form an alliance, share the information, and effectively develop a common cause. Trust can be viewed from different levels, such as interpersonal, organizational, inter-firm, and international levels in the field of cross-border cooperation.

Social capital is considered and represented as a limited real or potential social interaction resource. It can reproduce collective accumulation and convert to other forms of capital. The social capital of the group, enterprise, and society as a whole is formed based on the values of trust, which are the basis of the system of social interaction, the socio-cultural regulator of a higher systemic level than other components of social capital. The enterprise has a mechanism for reproducing social capital, which includes a system of values, norms, and rules of conduct, and in particular rules of mutual assistance. Trust acts as a basis for social and economic cooperation, internal and external organizational unification processes.

Society’s trust in business is particularly diminished in times of crisis. Accordingly, depending on the strategy that a company develops during a crisis, its social capital can both increase and decrease, down to a negative value. Keeping up with the positive trend requires finding new ways of engaging business with its stakeholders and working with counterparties to build a sustainable business partner network.

Trust develops based on the synergy of competence and further development of relationships in the long term. The proposed process can be refined through quality trust studies. Research can better help consider the stages of trust development, as well as identify the main areas for decision-making and the mechanism for increasing trust within each stage.

Such social capital is realized if they find mutual understanding, which is transformed into a market mutually beneficial interaction. Strategic relationships can be built in different forms – marketing agreements, alliances, joint activities. The success of these relationships depends on many factors, including the ability to work together to achieve common goals, the fulfillment of promises, openness, and flexibility, taking into account the interests of partners, the ability to make long-term forecasts. The interaction of enterprises within professional associations, industry associations, and unions enables them to improve the business environment and increase the investment attractiveness of the industry. Such forms of cooperation avoid the effects of fierce competition in the form of price wars and unfair competition. However, such cooperation should not facilitate the implementation of anti-competitive strategies and evasion of antitrust regulation.

Business is a major entity that directly affects the economy. Thus, a low level of trust in the enterprise indicates a low level of trust in the state and vice versa. To ensure sustainable development, it is necessary to increase trust not only in government institutions, but companies need to formulate their corporate social responsibility policies as the main tool for increasing trust. Firms should incorporate CSR practices to enhance their strategic investment and sustain a strong relationship with its stakeholders for building a sustainable social network.

CONCLUSION

Today, the state, businesses, and investors are becoming more aware of the importance of social resources for development. This is especially important for businesses. Each enterprise has its specificity depending on the accumulated capital, material, human, and social. At the same time, it is important for management to define a strategy and build a management policy so that it is consistent with the goals and interests, first of all, of its employees and the population of the region where the enterprise is located. Changing priorities in this direction helps to create complex social tasks with minimal cost. The study aims to identify the factors that influence the formation of trust at the state and enterprise levels. For ex-
ample, if Ukraine raises the level of trust to the one in Taiwan (approximately a one-standard-deviation increase), the growth rate would increase by almost 1%. The significance of the relationship depends to some degree on the inclusion of other variables that simultaneously affect growth. Controlling for possible endogeneity of trust, the analysis provides strong evidence that trust actually causes growth. An increase in trust by 1-unit leads to an increase in per capita GDP by an average of 0.834 units.

However, trust is strongly related to variables of economic development that promote growth but also affect trust, which gives rise to a reverse effect from growth to trust, especially in the long run. The study of trust requires the study of multidisciplinary sources: economics, sociology, psychology, behavior, and management. Within a company, trust can be interpreted as an extension of interpersonal trust based on acquaintance between people in a previous interaction. In a business network, enterprise performance is largely dependent on trusting relationships between individuals and groups. At the macroeconomic level, trust continues to interact with institutions and organizations, especially in transnational cooperation.

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