

Revaz Lordkipanidze

**Influence of Scientific-technical Level on Living Standard**

**Tbilisi**

*Philanthropic Research Academy named after A. Gunia*

*for the Digital Library of the Georgian Parliament*

**2018**



The present work of Revaz Lordkipanidze is prepared for students and wider readers, also providing some help to interested professionals. The work is a continuation of the researches under blessing of the Archimandrite Saba (Ghvtiso Shalikashvili) from Saint Church Qashveti.

According to specialization priorities (Economics, World Economy, International Economic Relations), Doctor of Economics Revaz Lordkianidze has successfully completed the course of Harvard University about US government reforms and continues research by courses of the Georgian Technical University.

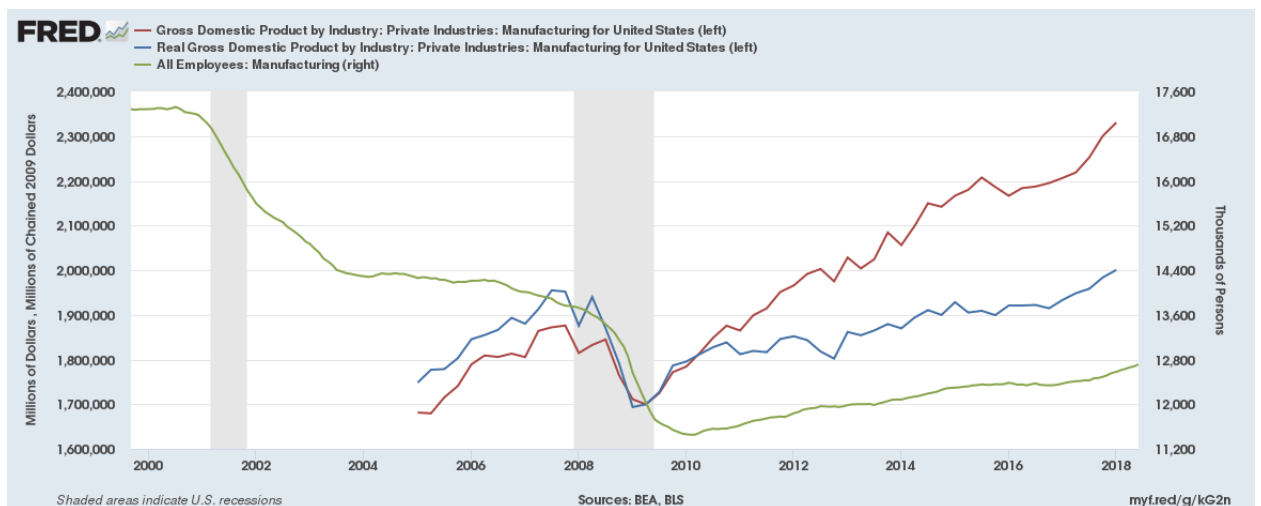
**Edited and Reviewed in the Academy  
named after Economist A. Gunia**

## Influence of Scientific-technical Level on Living Standard

From the early student years, I have been investigating the influence of science and the technical level on the standard of living. I am not talking about the technical level in the British sense<sup>1</sup> like a school leaving qualification to university education. I researched possibilities from use of effective information networks [1-2], the indicators of the age structure of the technical base of macroeconomics, the proportion of progressive machines and equipment, the need to exceed the rate of growth of the standard of living and business productivity, in comparison with the rate of technology per capita.

My researches [3-22] has shown that it is the level of development of science and technology in the country that has the most effect on the standard of living, after influence of the competitive environment.

We should especially emphasize that the world processes were especially influenced by intellectual progress and, accordingly, the growth of the extraordinary building-industrial Manufacturing in the new USA<sup>2</sup>:



Technically well equipped small intellectual countries are more likely to show a high level and quality of life, and I think, for example, we should especially think about the following conclusions presented below.

<sup>1</sup> [https://en.wikipedia.org/wiki/Technical\\_Level](https://en.wikipedia.org/wiki/Technical_Level)

<sup>2</sup> [https://en.wikipedia.org/wiki/Manufacturing\\_in\\_the\\_United\\_States](https://en.wikipedia.org/wiki/Manufacturing_in_the_United_States)

“The countries with the highest quality of life have been announced by the not-for-profit organisation Social Progress Imperative. Scandinavian nations scored highly in the "Social Progress Index," but more surprising are the very large countries which came lower down the list - suggesting that a strong GDP per capita is not the only gauge for a high standard of living. Despite this, all of the top 19 countries are developed nations - so having a strong economy clearly has an impact.

The "Social Progress Index" collates the scores of three main indexes:

- 1) Basic Human Needs, which includes medical care, sanitation, and shelter.
- 2) Foundations of Wellbeing, which covers education, access to technology, and life expectancy.
- 3) Opportunity, which looks at personal rights, freedom of choice, and general tolerance.

The index then adds the three different factors together, before giving each nation a score out of 100. You can see the countries with the highest quality of life below.

19. United States — 84.62. The US scraping into the top 20 may surprise some, and the report does call it a "disappointment," saying the country's huge economy does not translate into social progress for many of its citizens.

18. France — 84.79. For many France is a liberal bastion, but it scored low on "tolerance and inclusion" in the report, while a poor score in "opportunity" keeps it further down the list than it perhaps should be.

17. Spain — 85.88. One of the most popular holiday destinations in Europe, Spain has a strong welfare system and work life balance, but high youth unemployment has hurt the standard of life for many of its citizens.

16. Belgium — 86.19. The HQ of the European Union scores highly on social progress and demonstrates that sometimes being a smaller country makes it easier to look after all your inhabitants.

15. Germany — 86.42. Another country which might be a bit lower down than some people would expect, Germany scores highly for inclusiveness after taking in more than a million refugees over the past few months, but some wonder if the infrastructure can handle it.

14. Japan — 86.54. The 'Land of the Rising Sun' has made great strides in social progress in the last decade, particularly in women entering the workforce. It still has a very small immigrant population, though, and suicide rates for under-30s remain high.

13. Austria — 86.60. Vienna is a cultural capital of Europe and Austrian ski slopes attract people from all over the world. Having the 14th biggest economy in the world, according to the IMF, does not hurt standard of living either.

12. Ireland — 87.94. Brits scrambling for Irish passports in the wake of the vote for a Brexit may be pleased to discover it scores very high on meeting "basic human needs," and the potential investment of companies moving from the UK will only make things better.

T-10. New Zealand — 88.45. New Zealand's tourist board calls it "the youngest country in the world," and it is certainly one of the most beautiful. "Opportunity" is where it scores really high, as a low population means jobs are in abundance.

T-10. Iceland — 88.45. Speaking of beautiful countries, Iceland scores very well in social progress, particularly in the "basic human needs" index and GDP per capita. Its football team has proven itself a force to be reckoned with too.

9. United Kingdom — 88.58. The NHS is big part of the UK's high placing, with "basic medical care" scoring almost 100% on the report. Education scores almost as highly, with free access to quality schools.

8. Netherlands — 88.65. The Netherlands is famously one of the most tolerant countries in the world, so its position in the top ten should be no surprise. It is one of the highest-scoring countries on "personal freedom and choice."

7. Norway — 88.70. Get used to seeing Scandinavian nations in the top ten. Norway is big on "nutrition and basic medical care," and its "access to basic knowledge" is strong too. Many have said the Norway model is one to follow for a non-EU UK.

6. Sweden — 88.80. "Water and sanitation" may be taken for granted in developed economies, but it is not enjoyed everywhere. Luckily it is an area Sweden nails, scoring 99.77. The country also picks up high scores in "nutrition" and "personal rights."
5. Switzerland — 88.87. Switzerland may have some of the most expensive cities in the world to live in, but its citizens get value for money. According to the Social Progress Report, "medical", "nutritional" and "access to basic knowledge" is where the country shines.
4. Australia — 89.13. There is a good reason so many people want to start a new life "down under." Australia has fantastic education, job opportunities and a strong sense of personal freedom. Its "tolerance and inclusion" score could be higher though.
3. Denmark — 89.39. Denmark has one of the best social mobility and income equality rates in the world, so no surprise it makes it into the top three on this list. "Basic human needs" is where the country scores particularly highly, though its "health and wellness" stats such as life expectancy could be higher.
2. Canada — 89.49. For such a huge nation, Canada only has 35 million citizens, and they are some of the best looked after in the world. Canada's healthcare is what stands it above the rest. Education and opportunity in the country are also impressively strong.
1. Finland — 90.09. Everyone says Nordic nations have the highest standard of living, and now Finland has made it official. It scores highly on almost every index on the report, from basic needs, foundations of wellbeing and personal freedoms. If you move there just make sure to bring warm coat — temperatures can reach minus 50 celsius in the winter!"<sup>3</sup>

---

<sup>3</sup> <https://www.independent.co.uk/life-style/the-19-countries-with-the-highest-standard-of-life-a7376846.html>

## References

1. Archil Prangishvili and others, Development of Distributed Complex Network for Representation of Knowledge Base.

[https://www.researchgate.net/profile/Archil\\_Prangishvili](https://www.researchgate.net/profile/Archil_Prangishvili)

2. Archil Prangishvili and others, On network maintenance problem. Mixed-type semi-Markov queuing system with bifurcation of arrivals. - January 2018, Bulletin of the Georgian National Academy of Sciences 12(2):36-40.

[https://www.researchgate.net/publication/328294765\\_On\\_network\\_maintenance\\_problem\\_Mixed-type\\_semi-Markov\\_queuing\\_system\\_with\\_bifurcation\\_of\\_arrivals](https://www.researchgate.net/publication/328294765_On_network_maintenance_problem_Mixed-type_semi-Markov_queuing_system_with_bifurcation_of_arrivals)

3. Revaz Lordkipanidze, Wonderful Price Paradoxes even in Developed Conditions of almost Competitive Equilibrium. - Philanthropic Research Academy for the Digital Library of the Georgian Parliament, As E-Book, 2018. <http://dspace.nplg.gov.ge/handle/1234/286335>

[https://www.researchgate.net/publication/329076070\\_Wonderful\\_Price\\_Paradoxes\\_even\\_in\\_Developed\\_Conditions\\_of\\_almost\\_Competitive\\_Equilibrium\\_-\\_Philanthropic\\_Research\\_Academy\\_for\\_the\\_Digital\\_Library\\_of\\_the\\_Georgian\\_Parliament\\_As\\_E-Book\\_2018\\_httpdspacep](https://www.researchgate.net/publication/329076070_Wonderful_Price_Paradoxes_even_in_Developed_Conditions_of_almost_Competitive_Equilibrium_-_Philanthropic_Research_Academy_for_the_Digital_Library_of_the_Georgian_Parliament_As_E-Book_2018_httpdspacep)

4. Revaz Lordkipanidze, Optimistic Growth of the World Economy toward 2019 and What We Should Do for Optimal Competition. - Philanthropic Research Academy for the Digital Library of the Georgian Parliament, As E-Book, 2018.

[https://www.researchgate.net/publication/328943111\\_Optimistic\\_Growth\\_of\\_the\\_World\\_Economy\\_toward\\_2019\\_and\\_What\\_We\\_Should\\_Do\\_for\\_Optimal\\_Competition\\_-\\_Philanthropic\\_Research\\_Academy\\_for\\_the\\_Digital\\_Library\\_of\\_the\\_Georgian\\_Parliament\\_As\\_E-Book\\_2018](https://www.researchgate.net/publication/328943111_Optimistic_Growth_of_the_World_Economy_toward_2019_and_What_We_Should_Do_for_Optimal_Competition_-_Philanthropic_Research_Academy_for_the_Digital_Library_of_the_Georgian_Parliament_As_E-Book_2018)

5. Revaz Lordkipanidze, Economic Competition: Urgent Need in Rethinking and Unprecedented Perspectives by Internet. - As E-novation, Charity Research Academy to

Georgian Parliament Digital Library, 2018: 107. ISBN 978-9941-8-0722-0 (PDF).  
<http://dspace.nplg.gov.ge/handle/1234/284911>

<https://www.researchgate.net/publication/328772439> Economic Competition Urgent Need in Rethinking and Unprecedented Perspectives by Internet - As E-novation Charity Research Academy to Georgian Parliament Digital Library 2018 107 ISBN 978-9941-8-0722-

6. Revaz Lordkipanidze, Competition is not Joke and in the Era of Electronics It Must Be Protected Especially. - As E-novation, 2018, <http://dspace.nplg.gov.ge/handle/1234/283298>

<https://www.researchgate.net/publication/328542291> Competition is not Joke and in the Era of Electronics It Must Be Protected Especially - As E-novation 2018 http://dspace.nplg.gov.ge/handle/1234/283298

7. Revaz Lordkipanidze, For Improve of Economic Thinking. - Tbilisi, 2018: 160.

<https://www.researchgate.net/publication/328726251> For Improve of Economic Thinking - Tbilisi 2018 160

8. Revaz Lordkipanidze, My Wonderful Harvard Course "U.S. Public Policy: Social, Economic and Foreign Policies". - Tbilisi, E-book: Philanthropic Research Academy for the Georgian Parliament Digital Library, 2018.

<https://www.researchgate.net/publication/326984863> My Wonderful Harvard Course US Public Policy Social Economic and Foreign Policies - Tbilisi E-book Philanthropic Research Academy for the Georgian Parliament Digital Library 2018

9. Revaz Lordkipanidze, The Strongest Key to Global Hospitality. - Tbilisi, Philanthropic Research Academy for the Georgian Parliament Digital Library, E-book: 2018.

<https://www.researchgate.net/publication/327019745> The Strongest Key to Global Hospitality - Tbilisi Philanthropic Research Academy for the Georgian Parliament Digital Library E-book 2018

10. Revaz Lordkipanidze, Engineer-economist - Needful Doctor for Future Competitive Market (Textbook Principles to Economics, International Competition, Management). - Philanthropic Academy for Digital Library of Georgian Parliament, 2018: 100. Dedicated to a spark of hope by the rarest bright start of US-Russian relations (2018, July) and 20th



anniversary of my pioneer membership (1998, August 1) from post-Soviet countries at the New York Academy of Political Sciences. <http://dspace.nplg.gov.ge/handle/1234/275374>

<https://www.researchgate.net/publication/326723649> Engineer-economist -  
Needful Doctor for Future Competitive Market Textbook Principles to Economics International Competition Management -  
Philanthropic Academy for Digital Library of Georgian Parliame

11. Revaz Lordkipanidze, Efficiency of Manager's Characteristic Features. - Tbilisi, Philanthropic Research Academy for Digital Library of the Georgian Parliament, 2nd Edition as E-Book, 2018. <http://dspace.nplg.gov.ge/handle/1234/274647>

<https://www.researchgate.net/publication/326589394> Efficiency of Manager's Characteristic Features -  
Tbilisi Philanthropic Research Academy for Digital Library of the Georgian Parliament 2nd Edition as E-Book 2018 <http://dspace.nplg.gov.ge/handle/1234/274647>

12. Revaz Lordkipanidze, American Studies on Economic Wonderworks and Goodness: My Half-Century Sincere Love and Scientific Interests. - Tbilisi, 2018, Philanthropic Research Academy for the Digital Library of the Georgian Parliament. <http://dspace.nplg.gov.ge/handle/1234/274652>

<https://www.researchgate.net/publication/326328169> American Studies on Economic Wonderworks and Goodness My Half-Century Sincere Love and Scientific Interests -  
Tbilisi 2018 Philanthropic Research Academy for the Digital Library of the Georgian Parlia

13. Revaz Lordkipanidze, Competitive International Business and Effective State Neuroeconomic Mechanisms (Textbook: Fundamental Principles from Monographic Researches for Students and Specialists of Economics, Public Administration and Marketing). Dedicated to the Bright Successful for Peace Negotiations of the United States and North Korea in the Most Dangerous Era of Nuclear Competition. - Tbilisi. Philanthropic Research Academy for the Digital Library of the Georgian Parliament. 2018: 106.

<https://www.researchgate.net/publication/326092780> Competitive International Business and Effective State Neuroeconomic Mechanisms Textbook Fundamental Principles from Monographic Researches for Students and Specialists of Economics Public Administration  
<http://dspace.nplg.gov.ge/handle/1234/273606>

14. Revaz Lordkipanidze, Polar Difference in Economic Regulation of Developed and Developing Countries. - <http://dspace.nplg.gov.ge/handle/1234/273604> , Tbilisi, Philanthropic Research Academy for the Digital Library of Georgian Parliament, 2018.

<https://www.researchgate.net/search.Search.html?type=publication&query=Polar%20difference%20in%20economic%20regulation%20of%20developed%20and%20developing>

15. Revaz Lordkipanidze, Dialectics to Understanding of International Competition: For Fundamentals and Practice of Business and Public Law. 2018. Tbilisi, Philanthropic Research Academy named after Economist A. Gunia for the Digital Library of the Parliament Georgia. ISBN 978-9941-8-0217-1 (PDF)

[https://www.researchgate.net/publication/325813127\\_Dialectics\\_to\\_Understanding\\_of\\_International\\_Competition\\_For\\_Fundamentals\\_and\\_Practice\\_of\\_Business\\_and\\_Public\\_Law\\_2018\\_Tbilisi\\_Philanthropic\\_Research\\_Academy\\_named\\_after\\_Economist\\_A\\_Gunia\\_for\\_the\\_Digital\\_Library\\_of\\_the\\_Parliament\\_Georgia](https://www.researchgate.net/publication/325813127_Dialectics_to_Understanding_of_International_Competition_For_Fundamentals_and_Practice_of_Business_and_Public_Law_2018_Tbilisi_Philanthropic_Research_Academy_named_after_Economist_A_Gunia_for_the_Digital_Library_of_the_Parliament_Georgia)

16. Revaz Lordkipanidze, Managerial Costs in Nowadays Healthcare (Handbook for Students of University Geomedi Bachelor's Program). - Tbilisi, 2018: 104. [https://www.researchgate.net/publication/328466517\\_Managerial\\_Costs\\_in\\_Nowadays\\_Healthcare\\_Handbook\\_for\\_Students\\_of\\_University\\_Geomedi\\_Bachelor's\\_Program\\_-\\_Tbilisi\\_2018\\_104](https://www.researchgate.net/publication/328466517_Managerial_Costs_in_Nowadays_Healthcare_Handbook_for_Students_of_University_Geomedi_Bachelor's_Program_-_Tbilisi_2018_104)

17. Revaz Lordkipanidze, Business Govern in Health Care. - Tbilisi, 2018:14. [https://www.researchgate.net/publication/328466389\\_Business\\_Govern\\_in\\_Health\\_Care\\_-\\_Tbilisi\\_201814](https://www.researchgate.net/publication/328466389_Business_Govern_in_Health_Care_-_Tbilisi_201814)

18. Revaz Lordkipanidze, Business Govern for Reduce Managerial Costs in Health Care (Handbook). - Tbilisi, Academy of Charity Research for Digital Library of Georgian Parliament, 2018. <http://dspace.nplg.gov.ge/handle/1234/282350>

[https://www.researchgate.net/publication/328052483\\_Business\\_Govern\\_for\\_Reduce\\_Managerial\\_Costs\\_in\\_Health\\_Care\\_Handbook\\_-\\_Tbilisi\\_Academy\\_of\\_Charity\\_Research\\_for\\_Digital\\_Library\\_of\\_Georgian\\_Parliament\\_2018\\_httpdspace.nplg.gov.ge/handle/1234/282350](https://www.researchgate.net/publication/328052483_Business_Govern_for_Reduce_Managerial_Costs_in_Health_Care_Handbook_-_Tbilisi_Academy_of_Charity_Research_for_Digital_Library_of_Georgian_Parliament_2018_httpdspace.nplg.gov.ge/handle/1234/282350)

19. Revaz Lordkipanidze, Thanks for Genius Justice Traditions of My Harvard University. - Tbilisi, Philanthropic Research Academy for the Georgian Parliament Digital Library, E-book: 2018. <http://dspace.nplg.gov.ge/handle/1234/278884>

[https://www.researchgate.net/publication/327582415\\_Thanks\\_for\\_Genius\\_Justice\\_Traditions\\_of\\_My\\_Harvard\\_University\\_-\\_Tbilisi\\_Philanthropic\\_Research\\_Academy\\_for\\_the\\_Georgian\\_Parliament\\_Digital\\_Library\\_E-book\\_2018\\_httpdspace.nplg.gov.ge/handle/1234/278884](https://www.researchgate.net/publication/327582415_Thanks_for_Genius_Justice_Traditions_of_My_Harvard_University_-_Tbilisi_Philanthropic_Research_Academy_for_the_Georgian_Parliament_Digital_Library_E-book_2018_httpdspace.nplg.gov.ge/handle/1234/278884)

20. Revaz Lordkipanidze, Competition theory's "sensational" defects and recommendations for improvement of competitiveness audit. - Modern Issues of Medicine and Management. 2017. N 4 (12): 68-73 (ISSN 1512-4169 Quarterly, International, Refereed, Peer-reviewed Collected Scientific Works).

<https://www.researchgate.net/publication/328416195> Competition theory's sensational defects and recommendations for improvement of competitiveness audit - Modern Issues of Medicine and Management 2017 N 4 12 68-73 ISSN 1512-4169 Quarterly Internationa

21. Specificity of Health Policy for Developed and Developing Countries. - Modern Issues of Medicine and Management. 2018. N 2 (14): 37-41 (ISSN 1512-4169 Quarterly, International, Refereed, Peer-reviewed Collected Scientific Works).

[http://dspace.nplg.gov.ge/bitstream/1234/276655/1/Medicinis\\_Da\\_Menejmentis\\_Tanamedrove\\_Problemebi\\_2018\\_N2.pdf](http://dspace.nplg.gov.ge/bitstream/1234/276655/1/Medicinis_Da_Menejmentis_Tanamedrove_Problemebi_2018_N2.pdf)

<https://www.researchgate.net/publication/328432542> Specificity of Health Policy for Developed and Developing Countries - Modern Issues of Medicine and Management 2018 N 2 14 37-41 ISSN 1512-4169 Quarterly International Refereed Peer-reviewed Collected

22. Revaz Lordkipanidze, For Reforming of Georgian Economy (Handbook). - Tbilisi, Charity Research Academy for Georgian Parliament Digital Library, 2018. <http://dspace.nplg.gov.ge/handle/1234/282371>

<https://www.researchgate.net/publication/328107601> For Reforming of Georgian Economy Handbook - Tbilisi Charity Research Academy for Georgian Parliament Digital Library 2018 <http://dspace.nplg.gov.ge/handle/1234/282371>