

## An Innovation Research of Promoting Economic GDP and Population Increasing Rate & Stocks Change on Scientists' Behavior & Judgement Continually I

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### Article history:

**Received:** 12/11/2025

**Accepted:** 29/11/2025

**Published:** 08/12/2025

**Keywords:** research, economic GDP (gross domestic product) y-y, scientists; continually, behavior & judgment, population increasing rate, publish papers

### Abstract

The high-technology products like rechargeable battery used in the EV (electric vehicle) and robot will be prevalent currently and in the future which may provide continuous power for it to drive longer like more than 400 kilometers per charge, so its usefulness will be more searchable and searching item for us to process later. New one like the solid state battery as a new innovation will be used in EV in the future widely, which may become a high-light for our scientists to process continuously. At the same time, the scientist needs to publish their achievements continually to some journals with high impact factor for the readers like graduates to know the reasonability and feasibility. The author like scientists in college would complete the investigation content and form the formal achievement for the sake of communicating with readers with using English writing skills effectively. Thereby the correct and clarified information might transfer into the readers acknowledgement who has an interest to know the meaning from papers with mail. Therein the published one will overview from the authors into readers through editor helpfulness. We should pay more attention to the innovation aspects which may take up some new idea and paths. As for scientist he needs to continue searching for new projects for the sake of further searching for the deeper and wider field all the time. Therein the high-tech product like solid state battery will have occupied promise future as known by now because its sale and expected amount can attain an achievement with total 180GWh expectation explained that battery to have a large market requirement. On the other side, others like BC (back contact) battery has also some searchable value in future since its advantage has evident proofs. There will be another one which was reported that the electric battery in north area will meet the contracted efficiency certain degree due to the cool atmosphere, so there will be a problem entering into that area currently.

### Original Research Article

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**How to cite this article:** Run Xu, Hyojun Ahn, N. Subba Reddy, Boyong Hur, Wanhai Wu, Jing Yu, Gunaghui Yu, Jiaguang Liu (2025). "An Innovation Research of Promoting Economic GDP and Population Increasing Rate & Stocks Change on Scientists' Behavior & Judgement Continually I." *EIRA Journal of Multidisciplinary Research and Development (EIRAJMRD)*, 1(2), 10-13.

## 1. Introduction

The GDP (gross domestic product) which indicates national economic status has provided an important role in every aspect in the world. So that the population increasing rate would be maintained for the sake of raising high-technique product with the entire industrial chain constantly which might enhance our new-quality productivity. Hence we should consider the effective factors for example the population quantity, new quality productivity with high-technique etc. Like big plane electric vehicle battery AI robot quantum computer medicine making disease diagnosis AI (artificial

intelligence) ocean source space exploration etc. other ones. Low population is enable to offer high life of quality with improving GDP per capita value. Meanwhile, it can enhance the national whole GDP value and help us to boost the economic recovery and many things to do. So the certain population is about to improve our national confidence some degree and make us to become priority one as early as possible even the super-country to lead the world to leadership position.

In contrast, the GDP increasing rate may play a significant role with regulating population increasing rate mutually

and cooperatively. Hence the two aspects may be emphasized and paid attention to in thriving the whole national economic developed degree through enough utilizing younger generations positively and efficiently by our government institution endeavor and evaluation. For the sake of making relevant policies and allocating capital into the necessary industries the corresponding strategic plan needs to be made under various background and entities. Then the according monitor and estimation will be followed and estimated periodically and frequently by the observer in government's institution. At last as to the developed speed in one nation the corresponding population increasing quantity and high-technique product producing will be discussed and considered more preciously and correctly according to the near past years experience and variation. [1~6]

## 2. Discussions

Through our engineers' and scientists' capability the innovation economic development will be processed, hence the higher GDP may increase constantly and periodically by the whole industrial chains. Therefore, the population increasing quantity and high-technique product can be exhibiting continually, so that our future life and quality may be progressed towards modernization and civilization frequently. Only the two main aspects will be completed we can live better and more convenient more comfortable safer & stabler. We are about to discuss them according to the following data to narrate the detail economic status in the world and China. To let us look at the value about the data on historical and near year that was recorded can make us to know what to learn, how to solve etc. a series of questions. On the other side, the population increasing has to bring up the GDP raising through raising the motor quantity etc. high-technique product, however the GDP per capita becomes weak. Hence we must enhance the corresponding labor and quality so as to keep up with the emerging industrial development. So that the fitting population quantity will be necessary and important to maintain and put up the GDP value. [7~16]

### 2.1 GDP increasing rate analysis in nations [1]

The GDP increasing rate analysis in nations in 2020 &2022 showed 4%~2% by China~Germany respectively in Figure 1 in 2022 to exhibit the China relevantly higher developed speed while the y-y value in 2022 attained -16%~-410% accordingly by them to afford huge speed with varied its value. So that the America indicated the highest increasing rate y-y one to exhibit its first position in economic development speed rate. Meantime the China maintained highest increasing rate in 2022 with relevantly low minus speed.

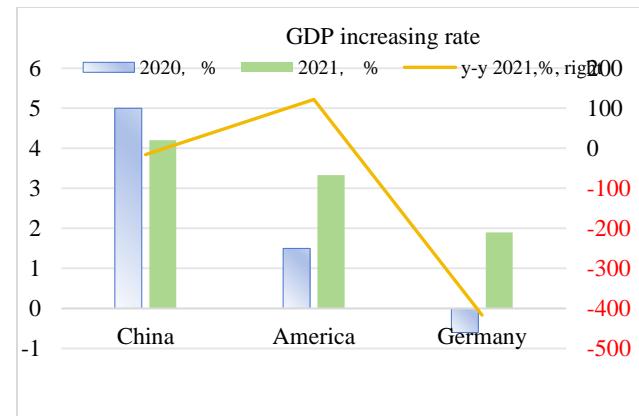


Figure 1 The GDP increasing rate analysis in nations in 2020 &2021. [1]

At the same time, the GDP increasing rate analysis in nations in 1983 &1984 showed 5%~1.5% by Japan~France respectively in Figure 2 in 1984 to exhibit the Japan &Britain relevantly higher developed speed while the y-y value in 1984 attained 22%~-5% accordingly by them for Japan to afford huge speed with -21%. So that the Britain indicated the highest increasing rate y-y one with 66% to show its highest y-y GDP growth speed rate to exhibit its first position in economic development speed rate.

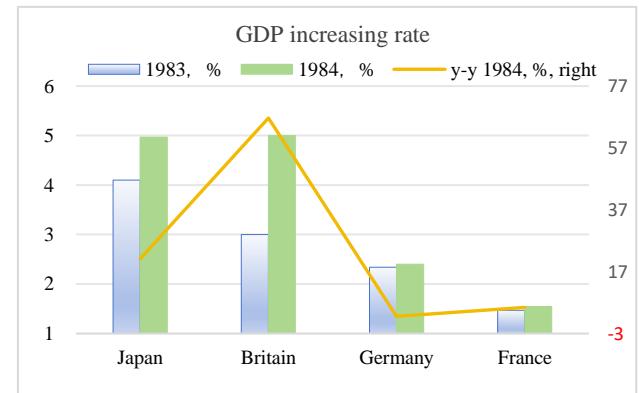


Figure 2 The GDP increasing rate analysis in nations in 1983 &1984. [1]

At the same time, the GDP increasing rate analysis in nations in 1983 &1984 showed 13%~5% by China~America respectively in Figure 3 in 1984 to exhibit the China relevantly higher developed speed while the y-y value in 1984 attained 3%~-21% accordingly by them for China to afford high speed. Hence, the China indicated the higher increasing rate y-y one to show its higher y-y GDP growth speed rate to exhibit its advantage in economic development speed rate. Meantime the America maintained lowest increasing rate with -21% in 1984 with relevantly low minus speed rate.

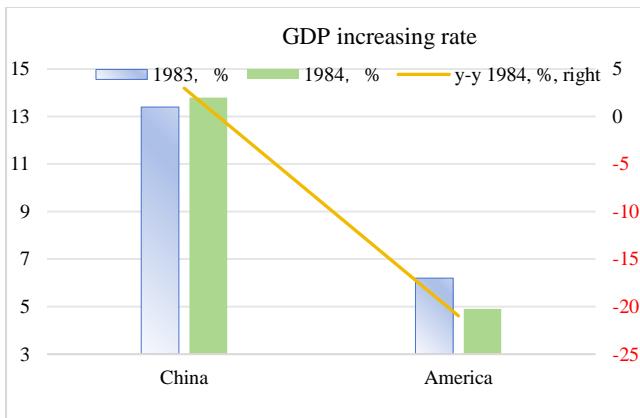


Figure 3 The GDP increasing rate analysis in nations I in 1983 & 1984. [1]

On the other hand, the GDP increasing rate analysis in nations in 2023 showed 5%~0.25% by China~ Germany respectively in Figure 4 to exhibit the China relevantly higher developed speed. So that the ones beyond 1% were three included China, America, Japan to exhibit relevantly good economic development speed. Meantime the Germany remained lowest &minus increasing rate in 2023 with minus growth.

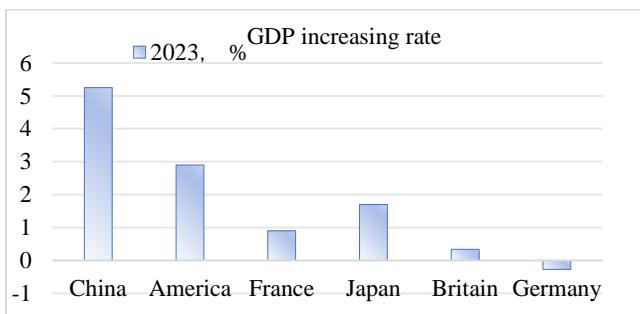


Figure 4 The GDP increasing rate analysis in nations in 2023. [1]

## 2.2 Russia &Turkey car making amount

The Russia &Turkey car making capacity would show 160~150 million by Russia~Turkey in 2016 in terms of Figure 5 whilst y-y 2016 per year indicated 9%~8.5% accordingly to show their certain car making capacity and speed.

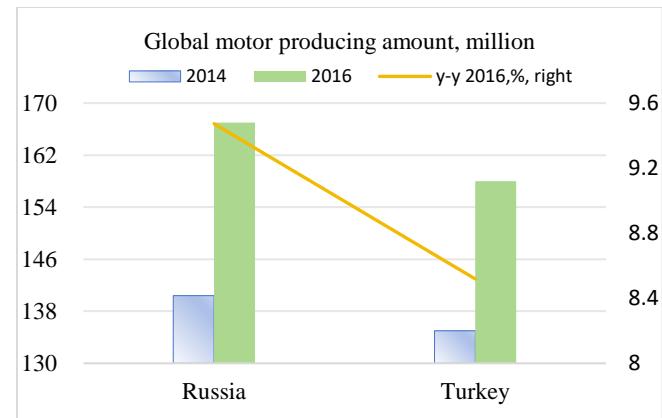


Figure 5 The Russia &Turkey car making capacity. [2]

In contrast, the Russia &Turkey car making capacity would show 158~144 million by Russia~Turkey in 2019 in terms of Figure 6 whilst y-y 2019 per year indicated 0%~ -6.6% accordingly to show their certain car making capacity and lower speed.

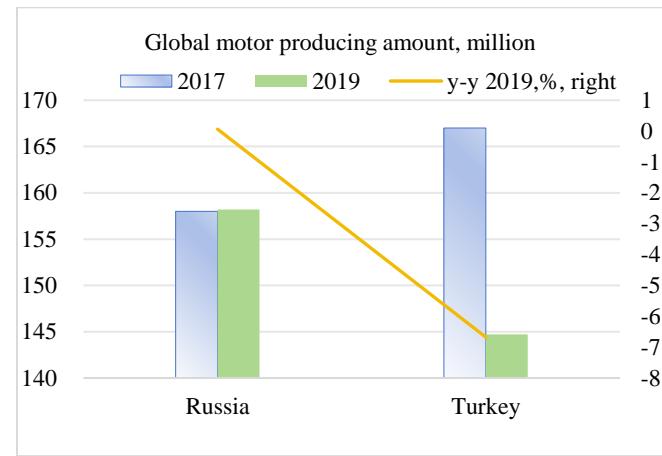


Figure 6 The Russia &Turkey car making capacity I.

## 2.3 Stocks change

In Table 1 the dragon head mainly increasing stocks one would included <Antai Group>~<Anji Foods> with increasing amount 10%~9.9% accordingly accounted for the most price quantity relative ratio turnover ratio main force occupation volume of transaction.

Table 1 Dragon head main increasing stocks pool. [3]

Name	Increasing amount, %	Latest price	Quantity relative ratio	Turnover ratio, %	Main force occupation, %	Volume of transaction, billion yuan
Antai Group	10	5.5	1.5	26	0.1	1.43
Tongqing Lou	10	24	4.8	13.7	5.6	0.8
Anji Foods	9.9	16	2.8	26	1	0.94

In short, the qualified one may be appointed to be an associate professor and senior researcher to take responsibility to educate the MS (Master of Science) & PhD (Philosophy of Doctor) degree continuously. Because

they had some and much opportunities to complete the relevant projects singly and collaboratively which belongs to the high-tech product experimental and theoretical deduction. Thereby those ones includes many innovative

methods and calculations correspondingly. At the same time, the reports and papers will be submitted to the Fund commission which may be spearheaded through the relevant scientists. Meanwhile, the data with GDP and sale number would be analyzed for the sake of requesting according behavior & its following judgment by our scientist and fellows sustainably because they can grasp the economic phenomenon and its following explanation definitely and absolutely in advance through their endeavour in post-doctorate and after work-stations.

### 3. Conclusions

Through our engineers' and scientists' capability the innovation economic development will be processed, hence the higher GDP may increase constantly and periodically by the whole industrial chains. Therefore, the population increasing quantity and high-technique product can be exhibiting continually, so that our future life and quality may be progressed towards modernization & civilization frequently. Only the two main aspects will be completed we can live better and more convenient more comfortable safer & stabler. We are about to discuss them according to the following data to narrate the detail economic status in the world and China. To let us look at the value about the data on historical and near year that was recorded can make us to know what to learn, how to solve etc. a series of questions. On the other side, the population increasing has to bring up the GDP raising through raising the motor quantity etc. high-technique product, however the GDP per capita becomes weak. Hence we must enhance the corresponding labor and quality so as to keep up with the emerging industrial development. So that the fitting population quantity will be necessary and important to maintain and put up the GDP value.

### References

1. GDP increasing rate analysis, News, Wechat, Dec. 1, 2025
2. Russia & Turkey car making amount, Dec. 2, 2025
3. Liyuan Yu, Liduo Xing Int & Inv, Dec. 5, 2025
4. Run Xu, Searching for Educational Concepts in University and Immigration Policies in America Sustainability, Global Scientific and Academic Research Journal of Multidisciplinary Studies, 2024,3(11): 29~32
5. Run Xu, Searching for Developing Economic GDP etc. Innovation & PhD Graduate and Postdoctoral Research with Sustainability, Global Scientific and Academic Research Journal of Multidisciplinary Studies, 2025, 4(1): 22~25
6. Run Xu, Searching for Developing Economic GDP's Innovation & PhD's Initiative Papers Released in Journals Sustainably, Global Scientific and Academic Research Journal of Multidisciplinary Studies, 2025, 4(1): 26~29
7. Run Xu, Searching for Economy Technique Initiative on PhD and Postdoctoral Fellow & Experts Sustainably I, Global Scientific and Academic Research Journal of Multidisciplinary Studies, 2025, 4(1): 38~41
8. Run Xu, Research of Realizing High Technique's Modernization on Scientist having PhD's Degree & Post-doctoral Researchers Sustainably, Global Scientific and Academic Research Journal of Multidisciplinary Studies, 2025, 4(1): 56~58
9. Run Xu, etc, The Research of Developing Economic and Financial Innovation on Scientist Sustainably, Global Scientific and Academic Research Journal of Multidisciplinary Studies, 2024, 3(11): 127~130
10. Run Xu, Yonggen Wu, Xianglan Piao, Guanghui Yu, Wanhao Wu, The Research of Applying Mathematics and Technicians etc. Researcher to Actuality Sustainably, Global Scientific and Academic Research Journal of Multidisciplinary Studies, 2024, 3(11): 123~126
11. Run Xu, The Searching for Recruiting University Postdoctoral and Developing Department Ability Sustainably, Global Scientific and Academic Research Journal of Multidisciplinary Studies, 2024,3(11): 78~80
12. Run Xu, Searching for Economic and Financial Innovation Developing & Travelling Visa-free with Sustainability, Global Scientific and Academic Research Journal of Economic Business and Management, 2024, 3(11): 53~56
13. Run Xu, Searching for Initiating Economic & Researchable Innovations on Having Doctoral Scientists Sustainably, Global Scientific and Academic Research Journal of Multidisciplinary Studies, 2024, 3(12): 69~72
14. Run Xu, Searching for Initiating Economic and Financial Innovations & Technological Utilities on Scientists Frequently, Global Scientific and Academic Research Journal of Multidisciplinary Studies, 2024, 3(12): 45~48
15. Run Xu, Searching for Economic & Financial Innovations on Developing & Travelling Visa-free with Sustainability, Global Scientific and Academic Research Journal of Multidisciplinary Studies, 2024, 3(12): 5~8
16. Run Xu, The Simulation of missile kinetics with distance & time depended speed on moving object initiated from space, TESS Res Res Rev., 2024, 3(3): 206