

An Innovation Searching for Prospering Economy GDP Enhancement with the Holland & China Provinces and Forecasting Global Ranking Analysis on Scientists' Behavior and Judgement by Sustainability

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Article History	Abstract
Original Research Article	<p><i>Because the limitation value can be arrived. So, we need to search for other more high-profit & high-technique products to complement that default as soon as possible e.g. New green energy, out-space exploration, airplane, new pharmacy etc that will replace the current traditional industry with those new quality products. So those high-additional ones may become the future new functional ones for us to realize the deepening modernization of industry, specially the service industry. Moreover, the high-technique service one includes the modernized knowledge and education experience even the post-doctorate working station who fits to make an appointment to finish the more challenges and conquests. Thereby we may make a detailed strategic plan in advance to ensure the enough scientists domestically for requesting them in near future. It explains that the not high economic development status would encourage the normal development rate. At the same time, as an important generator that is widely applied to the local even remote distance electrical usefulness for the sake of bringing out regional economy prosperous development e.g. GDP development enhancement the wind turbines operate based on the principle of energy conversion from wind energy to mechanical energy and then to electrical energy. They capture wind energy through blades and drive the generator to run, thereby generating electricity. Key components such as blades, generators, and control systems work together to ensure efficient and stable power generation. In terms of applications, onshore wind power includes large - scale wind farms and distributed wind power, contributing to local power supply; offshore wind power utilizes the abundant wind energy resources at sea, has great potential despite construction challenges; in special scenarios such as plateaus and island areas, wind turbines also show unique application values. This study deeply analyzes the principles of wind turbines, explores their diverse applications, provides theoretical support and practical reference for the technological progress and development of the wind power industry, and helps the new energy field move towards a more sustainable future. Thereby the generator may carry up our important electrical request will play its significant role in many countries and regions already. Hence, we must continue to enlarge its effectiveness not only developed regions but also the seas and desert & plateau etc geography position so as to generate more electricity for meeting its applications and more relevant requests.</i></p> <p>Keywords: <i>prospering economic GDP enhancement; Holland & Chinese provinces; innovation research; scientist; sustainability; forecasting the 2025 global GDP.</i></p>
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1. Introduction

The GDP (gross domestic product) which indicates national economic status has provided an important role in every aspect of 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 quality of life 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 right.

In contrast, the GDP increasing rate may play a significant role with regulating population increasing rates mutually and cooperatively. Hence the two aspects may be emphasized and paid attention to in thriving the whole national economic developed degree through enough wielding our 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 backgrounds 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 products producing will be discussed and considered more preciously and correctly according to the near past years' experience and variation.

Therefore, the high-technique products will be completed through wielding our scientist & senior Engineers coordination tightly for the sake of reviving the industrial and tertiary modernization. We should constantly look for and seek the new quality productivity sustainably so as to take place of our traditional industry becoming modernity. An innovation industry like new energy electric generator will be in front of our path forwards, so that the corresponding tactic must be put up and seek the opportunity and fortune in order to burden our responsibility quickly and not to forget recommend the fitting one to appoint new occupation. Like the Bole identified horse or Maosui self-recommended the recommendation will be represent one aspect for our human

resource department to consider and evaluate the recommended included a full research room with a set of computer high-technique instrument & device, subordinate, subsidiary staff, salary, house, welfare etc. a series of work so as to appoint his new occupation reasonably and willingly. [1~5]

2. Discussions

The GDP might be significant with exciting our scientist and engineers confidence for the sake of enhancing our high-technology product constantly with an innovation view. As knew it can take up new industrial innovative result for us to pursuit and grasp knowledge and experience armed by new technology spirituality which may last long time until next generation innovation exhibition completely and clearly. We can imagine the world one hundred years later we know some scenarios from the novel story and movies. There will be many ship-crafts that is to be created with advance technology and they fly from one place to another for the sake of completing save human mission. Maybe our earth-out-space & planet will be conquered somewhat so as to save earth resource and safe they have to transit into near planet for the reserving another route once the earth risk occurring we must get away the earth, or we will die in earth. No matter what will be we primarily seek to enhance our industrial product for promoting our GDP value, that is best way to want doing firstly. [6~8]

2.1 GDP comparison about Holland & China province

The Holland & China province GDP comparison would show 1~0.6 billion dollars by Guangdong~Henan province with about 1.6 times accordingly in 1962 exhibited the former i.e.. Guangdong has strong economy strength. Meantime, the y-y 1962 could show 7.5%~ -4.6% by them respectively to express the Guangdong province higher development rate as well. In contrast, the Shandong province realized 0.9 billion dollars and 2.2% growth speed respectively explained the similar one to the former then. It explains that the not high economic development status would encourage the normal development rate.

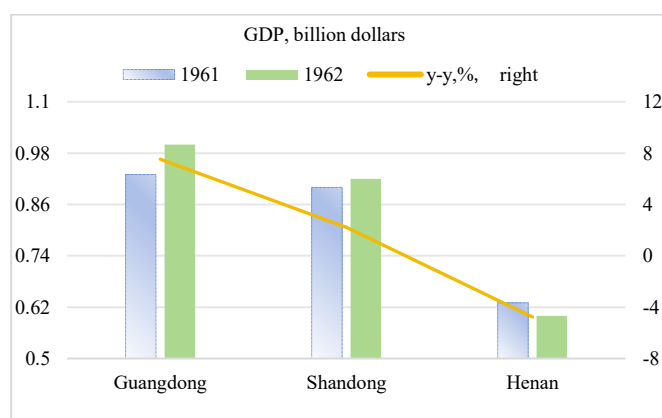


Figure 1 The Holland & China province GDP comparison [1]

At the same time, the Holland & China province GDP comparison would show 7.8~6.1 billion dollars by Guangdong~Henan province with about the same values accordingly in 1984 exhibited their middle economy strength. Meantime, the y-y 1984 per year could show 27%~ 40% by them respectively to express the Henan province highest development rate. In contrast, the Shandong province realized 9 billion dollars and 58% growth speed respectively explained the similar GDP one and higher growth one to the former then.

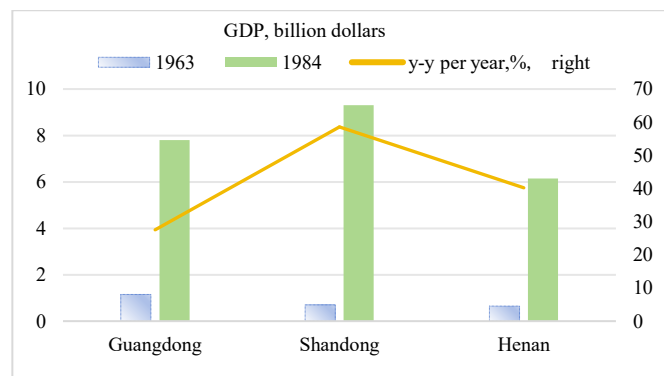


Figure 2 The Holland & China province GDP comparison in 1963~1984.[1]

2.2 IMF (International monetary fund) forecasting the global GDP rank in 2025

The IMF forecasting the global GDP top eleven~eighteen rank in 2025 could show 2,070~1,272 billion dollars by Russia~Holland in Figure 3 expressed the Spain Korea(Rep) Australia Mexico became the top two~five nations with the higher economy development in turns beyond 1,000 billion dollars.

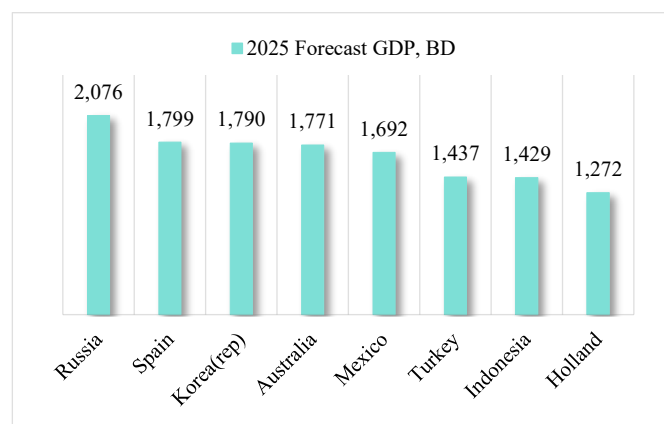


Figure 3 The IMF forecasting the global GDP top eleven~eighteen rank in 2025 [2]

2.3 GDP per capita analysis: Chinese provinces vs the global average level

The GDP per capita by the Chinese provinces vs the global average level would show 10,140 dollars~12,590 dollars by Anhui province and the global average level in 2021 in terms of Figure 4 realized the approaching status with the global average level by Anhui one. Moreover, the y-y 2021 per year recorded 17.5%~2.37% by them accordingly exhibited Anhui one rapid development speed.

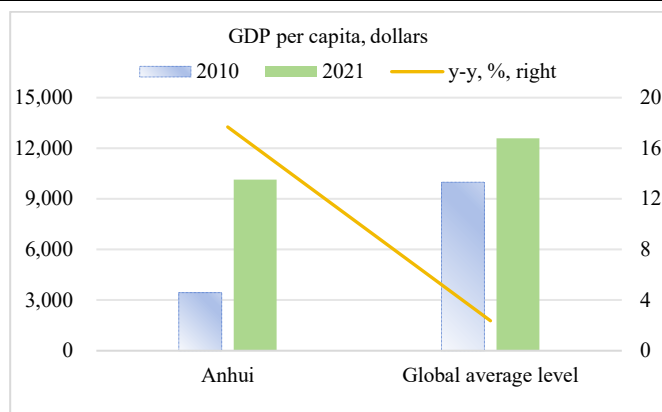


Figure 4 The Chinese provinces vs the global average level GDP per capita in 2010~2021 [3]

At the same time, the GDP per capita with the Chinese provinces vs the global average level would show 12,590 dollars~10,070 dollars by Hubei and Hunan province in 2021 in terms of Figure 5 realized the approaching status with the Hubei by Hunan one. Moreover, the y-y 2021 per year recorded 16.8%~15.7% by them accordingly exhibited their rapid development speed.

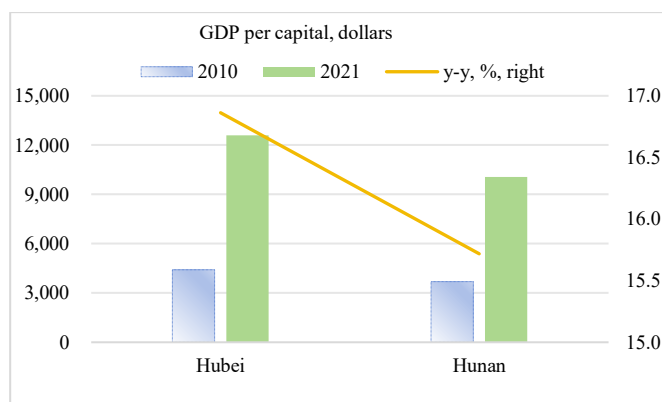


Figure 5 The Chinese provinces vs the global average level GDP per capita in 2010~2021 [3]

At the same time, the GDP per capita with the Chinese provinces vs the global average level would show 61 dollars~43 dollars by Hubei and Anhui ones in 1980 in terms of Figure 6 realized their weaker economy strength. Moreover, the y-y 1980 recorded 5.2%~ 14% by them accordingly exhibited their middle and high development speed then respectively.

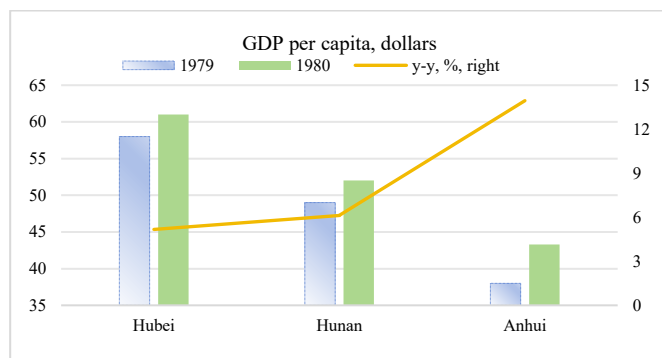


Figure 6 The Chinese provinces vs the global average level GDP per capita III. [3]

Overview, we will collaborate closely with cross-functional teams to identify emerging trends and validate hypotheses through iterative experimentation. The leverage shared insights to refine technical frameworks, ensuring alignment between theoretical advancements and practical applications. Meantime, shall integrate feedback loops for continuous improvement, enhancing the adaptability of solutions in dynamic environments. So that we should advocate the positive tactic to foster the excellent preparation team to gain the prize item like Nobel prize laureates that releases the Physics Chemistry & Physiology Medicine items by the Swedish Royal Academy of Science and Karolinska Institute each year respectively. They are going to become the leadership at the related cutting-edge field. [9~13]

3. Conclusions

The high-level scholars like scientist and experts has possessed the ability around reforming current technique barrier whose excellent ones may gain the Nobel prize about six~ten every year to show the new phenomenon and theory sustainably. Thereby they become the leader position in world scientific activity. So that we should cultivate more those scientists in each cutting-edge field prepared to be selected by Swedish royal academy of sciences and Karolinska Institute release the Physics and Chemistry & Physiology and Medicine respectively. On the other side, the national & regional GDP with different ones can monitor the entire economy activities within one year and more than one year like ten years. As for enhancing that one the economy activities including consuming business behavior and working at advance factories for earning money and even retirement salary simultaneously. Thereby the working position will become an important thing for us to earn more money for the sake of using after retirement. Certainly our consuming behavior can increase the goods quantity and quality that may activate economic thriving one. Thereby enhancing GDP has to promote high-technology product with owning a better beneficial price for us to earn more money for stabilizing our old years. Please try to consider if one has no enough money how he may live normally and happily many years later, hereby we must put our capital into the Social Security Bureau with enough money and time more than 20 years. At the same time the scientist must write their papers continually to famed journals so as to maintain some achievement in research activity. Hence, he may acquire titled as an academician in China academy of Science & Engineering maintaining a permanent title which may carry out bonus permanently per month after he becomes old. We must continually process our research on innovation field to find new phenomenon and project in detail subject. Do not forget to cooperate with others already grasping some

internal cause-effect relation to enlarge the relevant skill into products which may bring in new wind on the searching route of technology.

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Ethic Declarations

The authors declared that there were not conflicts of interest to disclose.

References

1. Holland & China province GDP comparison, Dec. 31, 2025
2. IMF forecasting the global GDP 2025 rank, Jan. 1, 2026
3. Chinese provinces vs The global average level GDP per capita, Jan. 2, 2025
4. 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.
5. Run Xu, Modelling of Missile Kinematics with Distance & Missile Speed Time Depended on Moving Object Speed Initiated from Space Random Point, TESS Res Res Rev., 2024, 3(3): 207
6. Run Xu, The Simulation of Missile Kinetics with Distance & Time Depended Speed on Moving Object. TESS Res Res Rev., 2024, 3(3): 208
7. Run Xu, The Simulation of Missile Kinetics with Distance & Time Depended Speed on Moving Object Initiated from Space Attaching Vertically. TESS Res Res Rev., 2024, 3(3): 209
8. Run Xu, The Simulation of Missile Kinetics with Acceleration, Speed & Time Depended Acceleration on Moving Object Initiated From Space with Vertical Attack, TESS Res Res Rev., 2024, 3(3): 212
9. Run Xu, The Simulation of Missile Kinematics with Acceleration, Speed & Time Depended Acceleration on Moving Object Initiated From Space with Vertical Attack I, TESS Res Res Rev., 2024, 3(3): 213
10. Run Xu, The Simulation of missile kinetics with distance & time depended speed on moving object initiated from space, TESS Res Res Rev., 2024,

11. [10] 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
12. [11] Run Xu, The Research for Innovating High Technique and Finance Stock Market on Talents with New Quality Product XXVI. TESSRes Res Rev. 3(3): 197
13. [12] Run Xu, Research of Economy and Technique Initiative on PhD and Postdoctoral Fellow & Experts Sustainably, Global Scientific and Academic Research Journal of Multidisciplinary Studies, 2025, 4(1):34~37
14. [13] Run Xu, Yonggen Wu, Wanhao Wu, Guanghui Yu, 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