

An Innovation Searching for Analyzing the China Top Provinces' GDP per capita Changes & "China triangle" Cities Economy Value Status with Sustainability

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Article History	Abstract
Original Research Article	<p><i>The high-tech product is able to increase the GDP ratio gradually according to developing situation presently. It is to believe that the ratio will raise a certain one in near future because it has high-knowledge & high-science factor within knowing it to producing it from the transfer of laboratory to factory. So that the new product enables to exhibit in its market after it was made in a factory continuously through using our scientist and engineers behaviour positively. We must encourage the high-tech proceeding engineers etc. who will transform the idea stimulus into the searching behaviour in lab with other researchers through acquiring a certain project from the funding so as to erect the experience and knowledge after several years that makes the sample into product entering current market to complete the receiving the order and transiting the cuisine to customers. That will be said that automatic changing to artificial intelligence one in order to promote the time and efficiency at all through the huge change said "let it do" changed to "it can do". we should continuously enhance its function and upgrade it & make its stability that means it can undergo a long time to serve as a like humanoid robot that may sometimes exhibit in our canteen as an automatic and artificial intelligence one to save some money while promoting its quality and efficiency concept. Thereby, the GDP increasement will coordinate the infrastructure and industrial innovation, and the latter includes high-technique product making ones. We may continually improve our capacity to make a new high-level product for the sake of promoting our industrial development with a certain value each year. The other one will be foreign trade exportation that may help us earn the foreign money to use in later urgent time. So the industry, learning, research & usefulness etc. procedures will be boosting that combines into university, institution, factory & office four aspects cooperative spirits and culture for the sake of building a good future.</i></p> <p>Keywords: innovation; China Top Provinces' GDP per capita; "China triangle" Cities Economy Value; analyzing; searching.</p>
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1. Introduction

The nations & regions GDP will represent their comprehensive strength in views of economy level and quality, so searching it may have an important effectiveness for us to process statistic with the national producing amount every month, season and year. In the meantime, the value with y-y has also a significant meaning that reflects the economy growth step because we should clarify the increasing change so as to evaluate the increasement and

declination value precisely. The positive y-y value may mean the good and rapid economy developing status whilst the minus one may state the bad and slow economy step. So we judge the economy developing enhancement and decrease through that y-y value for a certain period. Thereby, the detail discussion will include in the following aspects. The GDP 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 nuclear generator etc. other ones. Low population enables to offer high life & 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 right.

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 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 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 precisely and correctly according to the near past years experience and variation. [1~15]

2. Discussions

In this paper the detail GDP value is going to be discussed as above parts through comparing the various regions for the sake of enhancing corresponding tactic in next year and futural several years. Eventually the regional GDP will be compared with their variation and then confidently make a strategic plan for concluding the past years and erecting new target that we pay much attention to raise our predicting value all the time. It is clarified that with regulating our aim the good achievement will be finishing in future that makes us to be more confident year by year for the sake of realizing the plan at present and in certain future. On the other side, we should learn and develop relevant project and subject to reveal the core one after their phenomena. Then we master that technique to apply to that kind of substance making ability through the engineers and scientists transformed to the R & D (research

& development) department in makers. Therein, a sample will change into launch product by us to search for which may bring out new functional precise and quick responding to our request up to now. We should go on developing our similar functional equipment continually.

2.1 The China top provinces' GDP per capita analysis

The China top 11th~16th provinces' GDP per capita analysis might show 8.1~10 ten thousand yuan by Xinjiang~Shandong ones in 2025 accordingly in terms of Figure 1 to exhibit the Shan'xi province following Shandong to become the 12th position which both exceeded 9 ten thousand yuan.

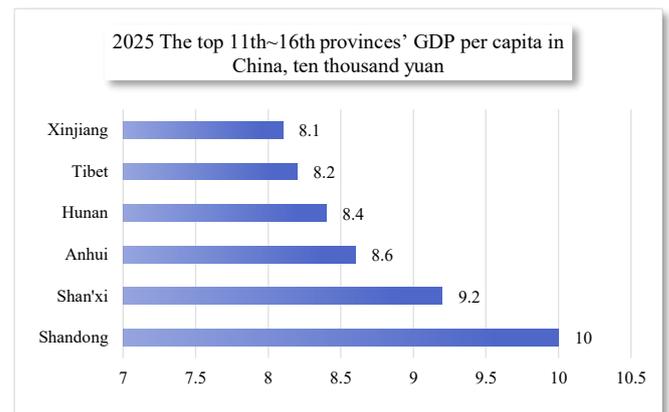


Figure 1 The China top 11th~16th provinces' GDP per capita analysis. [1]

Meanwhile, the China top 1th~5th provinces' GDP per capita analysis might show 14~24 ten thousand yuan by Zhejiang~Beijing ones in 2025 accordingly in terms of Figure 2 to exhibit the Shanghai city following Beijing become the 2th position with 22 ten thousand yuan which both exceeded 20 ten thousand yuan.

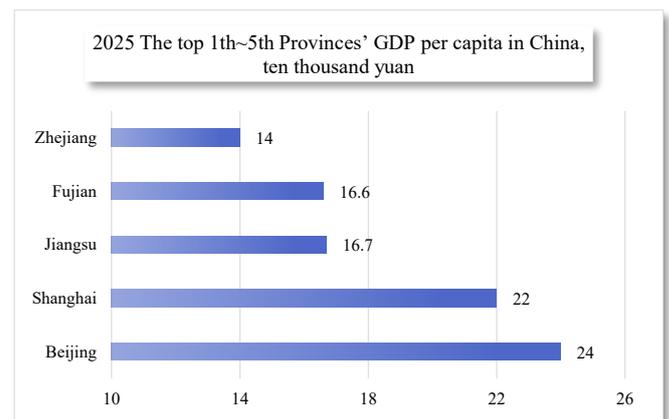


Figure 2 The China top 1th~5th provinces' GDP per capita analysis. [1]

At the same time, the China top 6th~10th provinces' GDP per capita analysis might show 10.5~13 ten thousand yuan by Chongqing~Tianjin ones in 2025 accordingly in terms of Figure 3 to exhibit the Tianjin city following Zhejiang one become the 7th position with 11.4 ten thousand yuan.

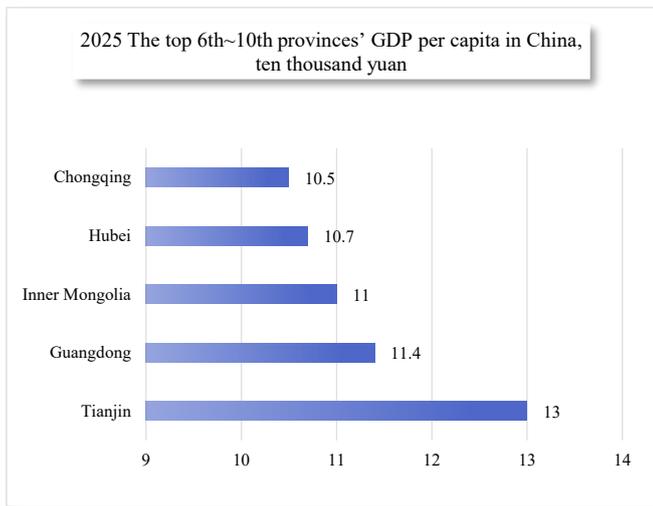


Figure 3 The China top 6th ~10th provinces' GDP per capita analysis. [1]

At the end, the China top 26th ~31st provinces' GDP per capita analysis might show 5.57~6.6 ten thousand yuan by Gansu~Hebei ones in 2025 accordingly in terms of Figure 4 to exhibit their modest economy strength and level. On the other side, the ones above 6 ten thousand yuan had three ie. Jilin &Guizhou following Hebei province to become excellent.

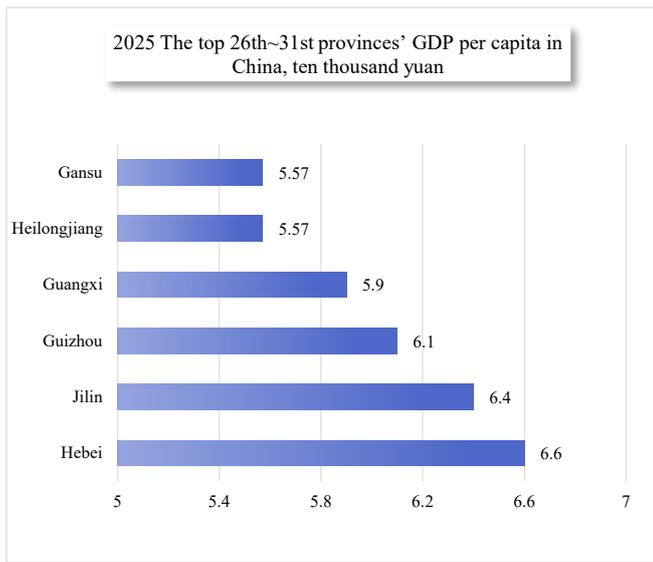


Figure 4 The China top 26th ~31st provinces' GDP per capita analysis. [1]

2.2 “China triangle” cities economy data listing

The “China triangle” cities economy data analysis might show 2,214 billion yuan~814 billion yuan GDP value by Wuhan~Nanchang cities in 2025 according to Figure 5 respectively to show the Wuhan city strong economy status. Meantime, the GDP per capita might record 13.8 ten thousand yuan~66 ten thousand yuan by them accordingly expressed Nanchang city forwards incoming status. On the contrary, the Changsa retained the slowest one with 10.6 ten thousand yuan of the GDP per capita.

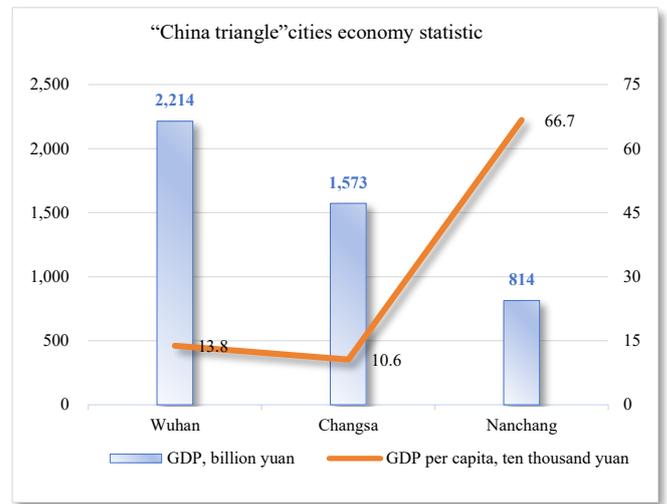


Figure 5 The “China triangle” cities economy data analysis. [2]

The “China triangle” cities economy data analysis might show 659 billion yuan~338 billion yuan industrial producing amount by Wuhan~Nanchang cities in 2025 according to Figure 6 respectively to show the Wuhan &Changsa cities strong economy &industry status. Meantime, the consumption amount might record 900 billion yuan~292 billion yuan by them accordingly expressed Wuhan city forwards consumption ability.

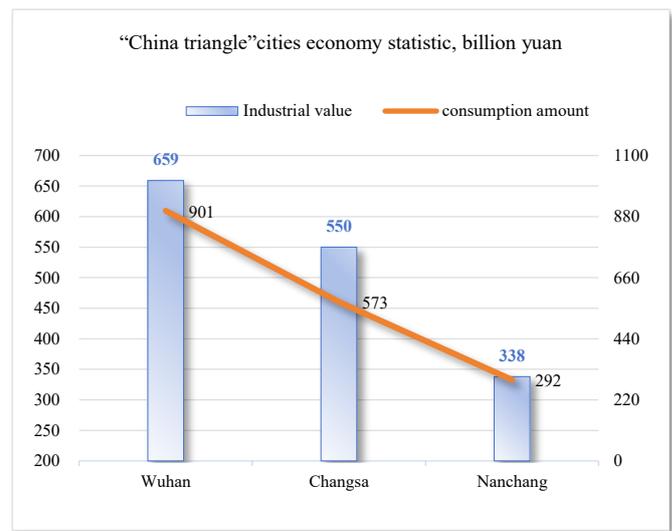


Figure 6 The “China triangle” cities economy data analysis I. [2]

Summarily, we need to continue to search those cutting-edge-fields through our experts and scientists because those aspects may be proceeded sustainably special in low-contamination non fossil fuel like wind energy photovoltaic energy hydraulic one nuclear reacting-pile one. So we need a lot of engineers &scholars etc participating cooperatively and satisfy the producing learning searching &usefulness series of industrial procedures to invest and push into market meeting consumers demands. There will be still big resilient space to wield our imagination and research capacity to publish the relevant achievement in famous

journals so as to arouse the basis & application aspects research together for alleviating the cause matters. We should continue to search and develop the low-carbon energy base status and application to futural huge requirement electricity for example the chargeable battery technique etc. reserved energy stations which increases from several years gradually meeting the electrical vehicle hybrid vehicle even small motorcycles.

3. Conclusions

The one nation & region's GDP (gross domestic product) & industrial production will reflect that region economy development degree through increasing that value includes agriculture industry tertiary three fields. So that industry & service industries will promote the whole GDP value continuously, special in service one having a significant growth momentum due to digital transformation and rising consumer demand, thereby reshaping employment structures and driving innovation across sectors. This shift is particularly evident in China's new construction for enhancing its innovation stimulus policies and capital support special in the service AI robot that may bring out new sale tendency in the future like autonomous payment and cinema ticket print machine. That largely declines the time for payment and ticket print in super mall & cinemas. The GDP will take a role on positive activities so as to enhance the economy target in last year and in this year the increasement step may be defined to attain in perspective. Thereby the concluding last year ones and making a strategic plan for next year will relate all of our aspects like life consumption & production education environmental sustainability, ensuring balanced growth across sectors. By aligning individual and institutional efforts with national development priorities, we foster inclusive progress that benefits all stakeholders. This integrated approach gains renewed urgency in new year perspective and strategic plan by the relevant governmental constitution and institutions. Specially as 2026 unfolds with heightened focus on new challenge for us is to continue to endeavour sustainably on various high level fields like Artificial Intelligence biomedical pharmacy new function materials etc. many lines. That may take an important role in increasing our GDP value for this year. Thereby, we need to continue to search those cutting-edge-fields through our experts and scientists because those aspects may be proceeded sustainably special in low-contamination non fossil fuel like wind energy photovoltaic energy hydraulic one nuclear reacting-pile one. So we need a lot of engineers & scholars etc participating cooperatively and satisfy the producing learning searching & usefulness series of industrial procedures to invest and push into market meeting consumers demands. There will be still big resilient space to wield our imagination and research capacity to publish

the relevant achievement in famous journals so as to arouse the basis & application aspects research together for alleviating the cause matters. We should continue to search and develop the low-carbon energy base status and application to futural huge requirement electricity for example the chargeable battery technique etc. reserved energy stations which increases from several years gradually meeting the electrical vehicle hybrid vehicle even small motorcycles.

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Ethic Declarations

The authors declared that there were not conflicts of interest.

References

1. The China top five~nine airports passengers amount analysis, Mar 16, 2026
2. The "China triangle" cities economy data analysis, Mar 18, 2026
3. Run Xu, Zhenguo Li, An Innovation Searching for Analyzing the Zhejiang & Guangdong Provinces Cities' GDP & The Asian Nations GDP per capita Status by Sustainability, MSI Journal of Multidisciplinary Research, Volume-3, Issue-3 (March-2026), 1~11, <https://zenodo.org/records/19029088> **Impact Factor: 4.0**
4. Run Xu, Zhenguo Li, An Innovation Searching for Analyzing the Israel & Top Chinese Cities GDP Status & the Global Universities in 2020~2025 by Sustainability, MSI Journal of Economics and Business Management, Volume-3, Issue-3 (March -2026), 1~11, <https://zenodo.org/records/19071744>
5. Run Xu, Zhenguo Li, An Innovation Searching for Analyzing the Chinese Top Four Provinces GDP & Tax Revenue with Top Provinces Status, MSI Journal of Economics and Business Management, Volume-2, Issue-1 (January -2025), 1~11, <https://zenodo.org/records/19016592>
6. Run Xu, Zhenguo Li, An Innovation Searching for Analyzing & Enhancing the Chinese Provinces GDP & Five Metropolitan Cities GDP Value, MSI Journal of Economics and Business Management, Volume-3, Issue-3 (March -2026), 1~12, <https://zenodo.org/records/18944812>
7. Run Xu, Zhenguo Li, An Innovation Searching for

Analyzing & Enhancing the Chinese Top Provinces' GDP & Subject for the Archives of Engineering and Technology,MSI Journal of Economics and Business Management, Volume-3, Issue-3 (March -2026), 1~12, <https://zenodo.org/records/18944889>

8. Run Xu, Jing Yu, Guanghui Yu, Jiaguang Liu, Xianglan Piao, Changfu Jin, Zheman Lian, Dezhu Li, An Innovation Searching for Chinese provinces GDP Value analysis,MSI Journal of Multidisciplinary Research,Volume-3, Issue-3 (March-2026), 1~11, <https://zenodo.org/records/18944950> **Impact Factor: 4.0**
9. Run Xu, Jing Yu, Guanghui Yu, Jiaguang Liu, Xianglan Piao, Changfu Jin, Zheman Lian, Dezhu Li, An Innovation Searching for Analyzing Five Metropolitan Cities GDP Value, MSI Journal of Multidisciplinary Research,Volume-3, Issue-3 (March-2026), 1~11, <https://zenodo.org/records/18945054> **Impact Factor: 4.0**
10. Run Xu, The Searching for Analyzing the Nation's Economy Strength GDP and The Top Nations' Industrial Production Comparison Sustainably through Observing Historical Statistic Value, MSI Journal of Multidisciplinary Research,Volume-3, Issue-3 (March-2026), 1~11, <https://zenodo.org/records/18853698> **Impact Factor: 4.0**
11. Run Xu, The Searching for Analyzing the Nation's Economy Strength GDP & Top Nations' Industrial Production Comparison & China cities index of development etc. Sustainably through Observing Historical Statistic Value, MSI Journal of Multidisciplinary Research,Volume-3, Issue-3 (March-2026), 1~11, <https://zenodo.org/records/18853807>
12. Run Xu, Zhenguo Li, An Innovation Searching for Analyzing the China & European Nations GDP & the World Cities GDP Changes through Sustainability, MSI Journal of Multidisciplinary Research,Volume-3, Issue-3 (March-2026), 1~10, <https://zenodo.org/records/19055250> **Impact Factor: 4.0**
13. Run Xu, Zhenguo Li, An Innovation Searching for Analyzing the Asian Nations GDP Status by Sustainability,MSI Journal of Multidisciplinary Research,Volume-3, Issue-3 (March-2026), 1~10, <https://zenodo.org/records/19062671> **Impact Factor: 4.0**
14. Run Xu, Zhenguo Li, An Innovation Searching for Analyzing the Chinese Part Central Provinces GDP & the Israel & Top Chinese Cities GDP Status Sustainably,MSI Journal of Multidisciplinary Research,Volume-3, Issue-3 (March-2026), 1~10, <https://zenodo.org/records/19061343> **Impact Factor: 4.0**
15. Run Xu, Zhenguo Li, An Innovation Searching for Enhancing the China Foreign Trade Trillion Yuan Provinces Value & China Cities' GDP per capita on Scientists Sustainably,MSI Journal of Economics and Business Management, Volume-3, Issue-3 (March -2026), 1~11, <https://zenodo.org/records/19071683>