

A Study for the Japan Counties' GDP Value Analysis 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. Thereby, the certain high-level experts and scientists will help us to realize early the comprehensive and expertise knowledge about searching for some difficult projects that may increase the high-technique contained amount with their deductive models with mathematical knowledge and experience ones. So there will be so many achievement for us to proceed and make mature products within the technique transformation from base to application eventually dedicated to the demands of this society.</i></p> <p>Keywords: innovation, Japan Counties' GDP Value Analysis, International Journal of Epidemiology and Public Health Research, Research.</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. [1~13]

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. At the same time, the scientists could complete defined projects through expending several years in universities and institutions for the sake of acquiring their high degree and some experiences for them continuously to process those cutting-edge-field projects independently and cooperatively. Thereby, we should foster and find them from the relevant activities like contest and achieved papers in high-impact-factor journal etc..we should need many of those experts level talents from universities' activity and mathematical contest who may occupy the top ten ones with excellent level score. [14~16]

2.1 The Japan counties GDP analysis

At the same time, the Japan counties GDP analysis might show 1,570 & 1,450 billion yuan by Aichi~Kanagawa cities accordingly in 1991 to indicate their most forwards economy level and strength according to Figure 1. The y-y value might retain about 18% by them correspondingly recorded their forwards steps.

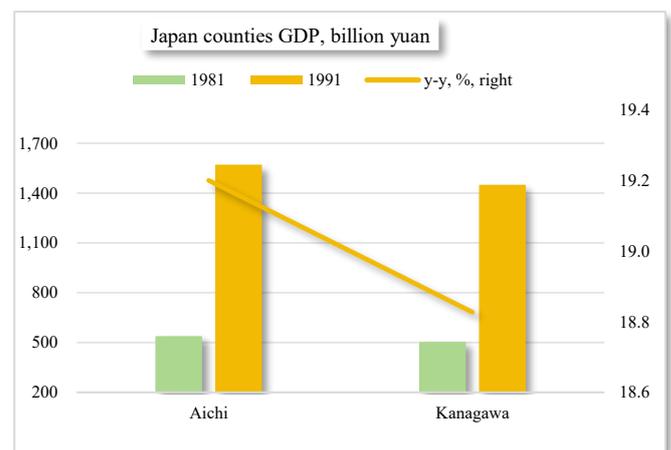


Figure 1 The Japan counties & Jiangsu cities GDP analysis. [1]

The Japan counties GDP analysis might show 4,310 & 1,890 billion yuan by Tokyo~Osaka cities accordingly in 1991 to indicate their most forwards economy level and strength according to Figure 2. The y-y value might retain about 21% & 17% by them correspondingly recorded their forwards steps.

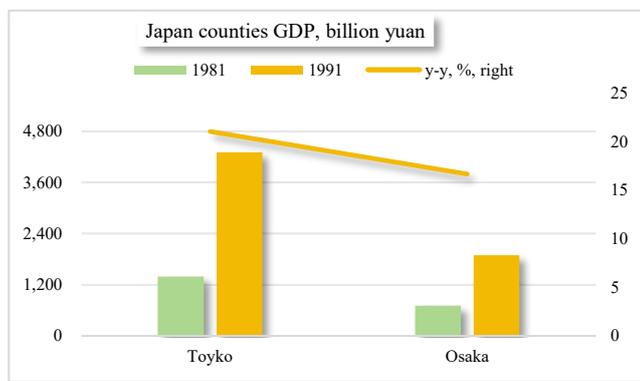


Figure 2 The Japan counties & Jianguo cities GDP analysis I. [1]

On the other hand, the Japan counties GDP analysis might show 360 & 308 billion yuan by Yamaguchi & Kumamoto counties accordingly in 1991 to indicate their forwards economy level and strength according to Figure 3. The y-y value might retain about 23% for both of them correspondingly recorded their forwards steps.

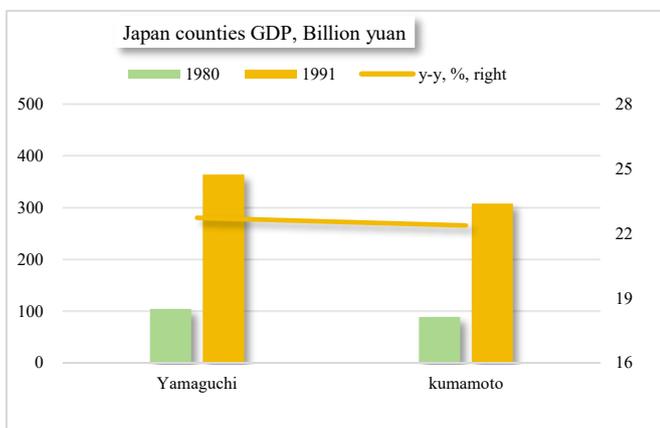


Figure 3 The Japan counties GDP analysis II. [1]

On the other hand, the Japan counties GDP analysis might show 360 & 308 billion yuan by Tochigi & Gunma counties accordingly in 1991 to indicate their forwards economy level according to Figure 4. The y-y value might retain 24% & 16% by them correspondingly recorded their forwards steps.

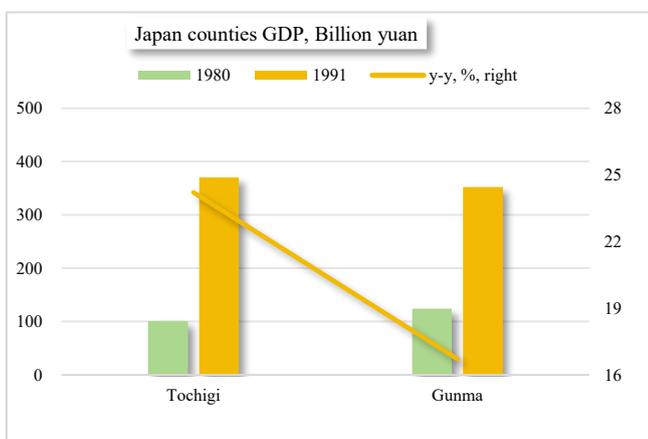


Figure 4 The Japan counties GDP analysis III. [1]

At the same time, the Japan counties GDP analysis might show 360 & 308 billion yuan by Niigata & Nagano counties accordingly in 1992 to indicate their forwards economy level and strength according to Figure 5. The y-y value might retain about 18% for both of them correspondingly recorded their forwards steps.

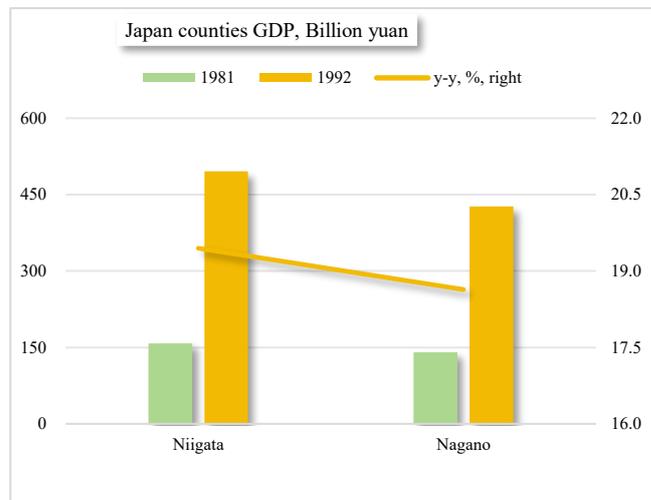


Figure 5 The Japan counties GDP analysis IV. [1]

On the other hand, the Japan counties GDP analysis might show 360 & 308 billion yuan by Chiba & Saitama counties accordingly in 1992 to indicate their forwards economy level according to Figure 6. The y-y value might retain about 24% for both of them correspondingly recorded their forwards steps.

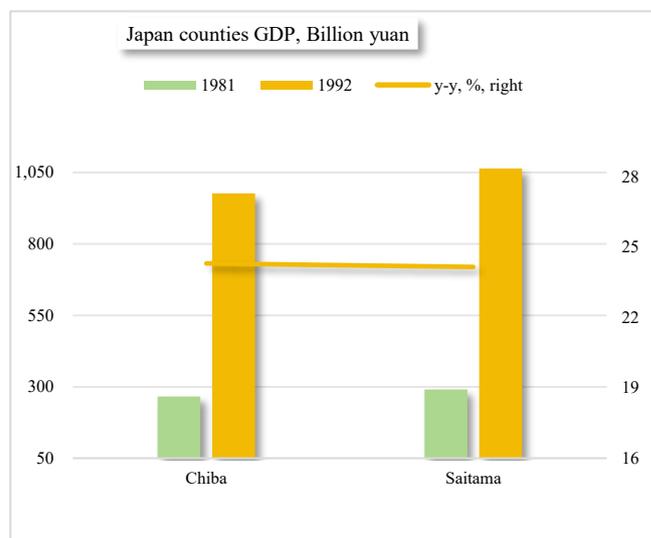


Figure 6 The Japan counties GDP analysis V. [1]

At the end, the Japan counties GDP analysis might show 360 & 308 billion yuan by Ibaraki & Miyagi counties accordingly in 1992 to indicate their forwards economy level and strength according to Figure 7. The y-y value might retain about 21% & 19% by them correspondingly recorded their forwards steps.

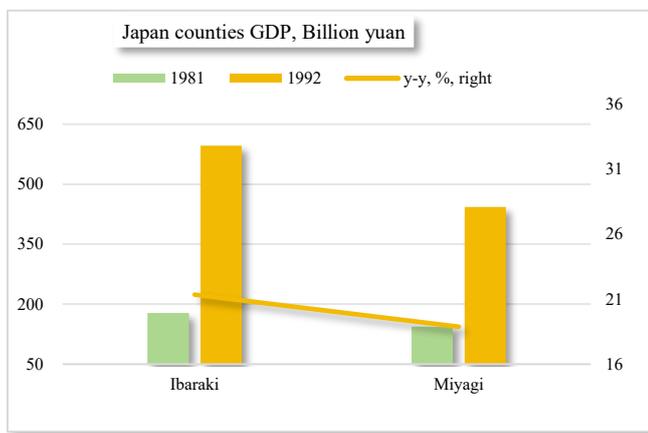


Figure 7 The Japan counties GDP analysis VI. [1]

2.2 Introduction to the International Journal of Epidemiology and Public Health Research

We would like to invite you to contribute a paper for publication in our upcoming issue for the (IJEPHR). It would be grateful if you would submit a paper for our upcoming issue. Research Article/Review/Case Reports/Short Communication/Editorial/Perspective/Mini Review/ Magazine /Book Review/Analysis/Opinion/Commentary Articles etc., are welcome for possible publication in this issue. We are pleased to publish all kinds of papers from all the world English academy ones timely and invite you to submit your precious paper to us so as to dedicate to both of us quickly. We would appreciate receiving your submission on or before April 10th, 2026. Let us know your possible article submission date, if your manuscript is ready kindly submit now through our email or website. Thank you for your time and consideration in this matter. We look forward to receiving your submission. [2]

Summarily, the graduated students from key university go abroad to study further for their master & doctor degree will promote the continuous technique and capacity exchange for developing the high-technique level to deepen direction and widen one from those developed countries like UK, USA, Canada & Australia etc.. they will proceed a certain projects because they have basic and applied abilities to complete those research items under the tutors and publish their achievements in famous and high impact factor journals continually. That will promote the academic-level which can wield their contribution to modern society like realizing the small samples under not so proficient and expertise situation into mature products transformation.

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. Japan counties & Jiangsu cities GDP analysis, Mar 25, 2026
2. International Journal of Epidemiology and Public Health Research, E-Mail, Mar 25, 2026
3. Run Xu, An Innovation Searching for Prospering Financial Reformation like Stock's Sectors Increasing Amount and Economy GDP & its Per Capita Enhancement on Scientists Sustainably, UKR Journal of Economics, Business and Management, Volume 1, Issue 10, 2025, 153~157 **Impact factor 4.33**
4. Run Xu, An Innovation Searching for Prospering Economy GDP Enhancement with Different Regions on Scientists with Sustainability, UKR Journal of Economics, Business and Management, Volume 1, Issue 10, 2025, 148~152 **Impact factor 4.33**
5. Run Xu, An Innovation Searching for Prospering Financial Reformation like ETF and Economy GDP Enhancement on Scientists by Sustainability, UKR Journal of Economics, Business and Management, Volume 1, Issue 10, 2025, 143~147
6. Run Xu, Changfu Jin, An Innovation Searching for Prospering Financial Reformation like ETF and Economy GDP with Different Regions Enhancement on Scientists by Sustainability, UKR Journal of Economics, Business and Management, Volume 1, Issue 10, 2025, 139~142
7. Run Xu, Changfu Jin, Xianglan Piao, Yonggen Wu, Jing Yu, Jiagunag Liu, Tianyi Yan, Wanhao Wu, An Innovation Searching for Prospering Financial Reformation e.g. the ETF and Economy GDP Continual Enhancement on Scientists by Sustainability, UKR Journal of Economics, Business and Management, Volume 1, Issue 10, 2025, 194~198
8. Run Xu, An Innovation Searching for Prospering Financial Reformation e.g. ETF and Economy GDP Enhancement on Scientists Publishing their Achievements at High Impact Factor Journals by Sustainability, UKR Journal of Economics, Business and Management, Volume 1, Issue 10, 2025, 189~193
9. Run Xu, An Innovation Searching for Prospering Financial Reformation e.g. ETF and Economy GDP Enhancement with G20 Group etc. on Scientists' Behavior and Judgement with Sustainability, UKR Journal of Economics, Business and Management, Volume 1, Issue 10, 2025, 184~188 **Impact factor 4.33**
10. Run Xu, An Innovation Searching for Prospering Financial Reformation like ETF and Economy GDP Enhancement with Some Various Regions on Scientists by Sustainability, UKR Journal of Economics, Business and Management, Volume 1, Issue 10, 2025, 178~183 **Impact factor 4.33**
11. Run Xu, Changfu Jin, Yonggen Wu, Wanhao Wu, Tianyi Yan, An Innovation Searching for Boosting Financial Reformation e.g. ETF and Economy GDP Enhancement on Scientists' Behavior and Judgement Writing Papers by Sustainability, UKR Journal of Economics, Business and Management, Volume 1, Issue 10, 2025, 199~203 **Impact factor 4.33**
12. Run Xu, An Innovation Searching for Prospering Financial Reformation e.g. ETF and Economy GDP Enhancement with Hubei & Hunan Provinces on Scientists' Published Behavior and Judgement by Sustainability, UKR Journal of Economics, Business and Management, Volume 1, Issue 10, 2025, 204~208 **Impact factor 4.33**
13. Run Xu, An Innovation Searching for Prospering Economy GDP Enhancement with Osaka & Shanghai and Hong Kong Cities & Shandong and Fujian Provinces on Scientists' Analysizing Behavior and Judgement by Sustainability, UKR Journal of Economics, Business and Management, Volume 1, Issue 10, 2025, 303~307 **Impact factor 4.33**
14. Run Xu, An Innovation Searching for Prospering Financial Reformation e.g. ETF and Economy GDP Enhancement with Indian Cities & Shandong and Fujian Provinces on Scientists' Analysizing Behavior and Judgement by Sustainability, UKR Journal of Economics, Business and Management, Volume 1, Issue 10, 2025, 308~313 **Impact factor 4.33**
15. Run Xu, Changfu Jin, Wanhao Wu, Yonggen Wu, Tao Yu, Tianyi Yan, Zhenguo Li, An Innovation Searching for Prospering Financial Reformation e.g. ETF and Economy GDP Enhancement with Various Cities on Scientists' Published Behavior and Judgement by Sustainability, UKR Journal of Economics, Business and Management, Volume 1, Issue 10, 2025, 314~319 **Impact factor 4.33**
16. Run Xu, Changfu Jin, Wanhao Wu, Yonggen Wu, Tao Yu, Tianyi Yan, Zhenguo Li, An Innovation Searching for Prospering Financial Reformation e.g. ETF and Economy GDP Enhancement with High-Speed Train Milage on Scientists' Published Behavior and Judgement through Sustainability, UKR Journal of Economics, Business and Management, Volume 1, Issue 10, 2025, 320~325 **Impact factor 4.33**