

UAI JOURNAL OF MULTIDISCIPLINARY & CULTURAL STUDIES

(UAIJMCS)



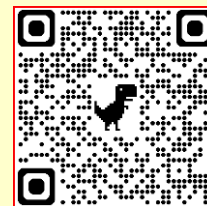
Abbreviated Key Title: UAI J Mult Cul Stu.

ISSN: 3049-2351 (Online)

Journal Homepage: <https://uaipublisher.com/uaijmcs-2/>

Volume- 2 Issue- 4 (July – August) 2026

Frequency: Bimonthly



An Innovated Searching of Booming the Tianjin & Qingdao etc. Chinese Cities GDP Changes & US and European Union etc. Nations' GDP Analysis Sustainably

Run Xu¹, Kuifeng Zhao¹, Yongbo Qi², Dong Qiu³

¹ Gyeongsang National University, School of Nano New Materials Engineering, Jinju-Si 52828, Gyeongnam-Do, South Korea

² Yantai University, Faculty of Computer Science & Engineering, Yantai 264005, Shandong Province, China

³ Johnson Electricity (Shenzhen) Co. Ltd., Dept of Engineering, Shenzhen 518125, Guangdong Province, China

Corresponding Author: Run Xu

ABSTRACT

The GDP (gross domestic product) will affect our country level and quality that may change our life style because the high-technique product enters our daily life every a second. We should appreciate the engineers and experts to take out new technology for us to share due to combining many high-techniques software skill to make the complete product more advancement and industrialization that may destroy the traditional economy eventually. The renewable energy like photovoltaic generator, wind turbine one, nuclear generator, hydrogen fuel & carbon one etc. new source one will be exploited by us continually to exhibit its power in front of public. On the other hand, the heat-supplier will be regulated by one house in a building with increasing and decreasing button completing electric releasing role. In the developed country it is essential function, so if you go out to let the heat decrease and when you turn back making it to increase room temperature for the sake of maintaining a normal situation in winter. Thereby, the electric consumption will retain in a high level and capacity. The new electric generator may be used from the nature renewable source with green and low carbon fuel atmosphere like photo, wind, nuclear pile, hydraulic & carbon one. Thereby, the high GDP is about to be created by our continual endeavour with those renewable resource and following machinery making course by our scientist & engineers. Hence, the entire industrial chains and supplied chain special in those down-stream firms because they will assemble all the supplied parts to one mature & complete equipment to transfer all the necessary places like sand dune, seaside & hills. With increasing those equipment by factory the employment-rate is to be incremented largely whose role can exhibit in the entire new energy transformation ratio. At end, the goods will be created large volume to transport other nations so as to increment the foreign trade activities for the sake of transforming into the foreign dollars with more capital reserve which can buy the essential goods lacking of producing in domestic market necessarily. In the end, the educated talents like university graduates will be recruited to work in different divisions in order to communicate each other experiences to reach a good circulation which can help companies to finish the useful advice transformation and adopt new innovation ones sustainably.

KEY WORDS: Reviving the Tianjin & Qingdao etc Chinese cities GDP Changes, US and European Union etc. Nations GDP Analysis, by sustainability, an innovated searching

1. Introduction

The potential talents need to be emphasized and trained a periodical education experience so as to raise the competition capacity each other that will take up the usefulness methods to be birthed constantly. The collaborative combination and cooperative spirit will be advocated by us so as to make an innovative item like software program making capacity besides hardware searching and exploration. From the composition to the performance the series experimental with a series of processing stages like combining compositions, processing, evaluating, processing again, evaluating longevity & making product and brain judgement like modeling erection with principle formula will indicate that first one factor to determine the predicting performance result and longevity. So we should investigate broadly and clarify the key points and then start our theoretical modeling exhibition with the help of experimental proof that may bring out many chances for us to process continually.

Meantime, the investment behavior may be proceed by the similar method with experiment and judgment capacity. The first experiment will be done several thousand stocks in exchange center use portfolio combining strategic plan and then after some time the evaluating its earning will be expressed, and the goodness with AI investment machine and mathematical deduction modeling to analyse the price changes even vibration. Thereby, the financial innovation will make us to be a rich-man that contributes to the tertiary industry enhancement eventually and ultimately. Hence, the reformation idea will occupy the first and important factor for us to master its behavior and judgement like financial one that may bring us more beneficial capital than ever because of the quantization investment and evaluating stock price within 5 thousand stocks. Thereby, the stocks evaluating system will be more prevalent and urgent for our constitution investment behavior. There are so many tips to tell us following the main capital to win the game that is like a fairy tale story under the help of AI machine.

At the same time, the nations industry advancement will influence our life level like 16° electric consumption per people per day in China 2025. the more energy electric generator has to be increased gradually year by year so as to raise our GDP value eventually besides giving us more comfortable even convenience above 10 times to catch up the USA developed level. Let us do best endeavour to raise our mission for improving GDP value under cooperation and collaboration spiritual courage within R & D dept(research & development department) and laboratory scope that is to become our diligent destination as to so many scientist and scholars. The better way to be successful is still made by ourselves in different occupations that may create huge power to push the high-technique forwards sustainably whilst the achievement can be published in a journal with fluently English narration once we had any spiritual inspirations. [1~22]

2. Discussions

2.1 Tianjin & Qingdao etc Chinese cities GDP analysis

The Tianjin & Qingdao etc Chinese cities GDP y-y value changes might afford 21%~26% by Changsa city~Tianjin one correspondingly in 1984 according to Figure 1 to exhibit the latter Tianjin city forwards economic momentum while the Qingdao one remained the last position with 9% then. Moreover, the Ningbo one occupied the first one with 42%.

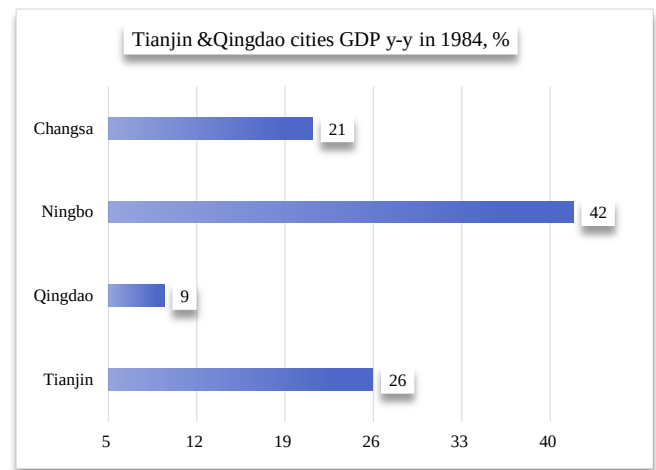


Figure 1 Tianjin & Qingdao etc. Chinese cities GDP y-y value changes. [1]

Furthermore, the Tianjin & Qingdao etc, Chinese cities GDP value changes might indicate 3~13 billion yuan by Changsa city~Tianjin one correspondingly in 1983 according to Figure 2 to exhibit the latter Tianjin city forwards economic momentum with varying 3.8 times among them. In contrast, the Qingdao one remained the last position with 9% then whilst the Ningbo one occupied the first one with 42%.

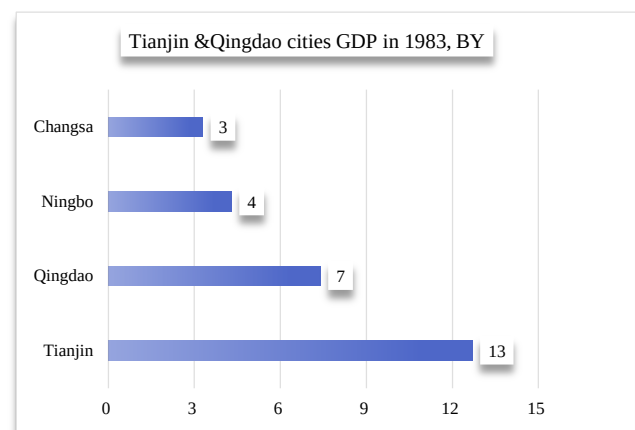


Figure 2 Tianjin & Qingdao etc. Chinese cities GDP value changes. [1]

Furthermore, the Tianjin & Qingdao etc, Chinese cities GDP y-y value changes might afford 4~16 billion yuan by Changsa city~Tianjin one correspondingly in 1984 according to Figure 3 to exhibit the latter Tianjin city forwards economic momentum. In contrast, the Qingdao one remained the second position with 8 billion yuan then.

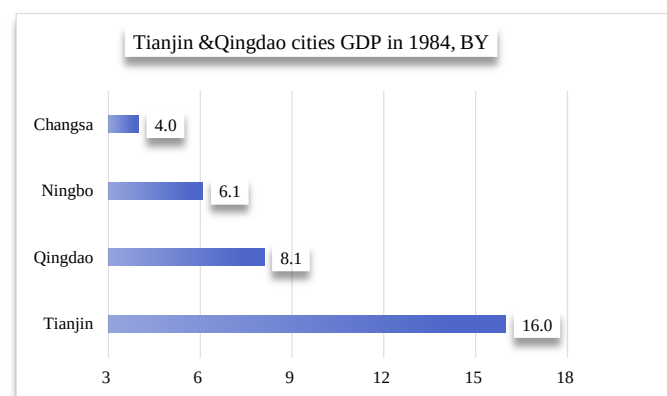


Figure 3 Tianjin & Qingdao etc. Chinese cities GDP value changes I. [1]

2.2 US & European Union etc. Nations GDP analysis

The US & European Union etc. Nations GDP changes would indicate 61~1,049 billion dollars by India~USA correspondingly in 1969 according to the Figure 4 exhibited the latter USA strong economic momentum with variations of 17 times between them.

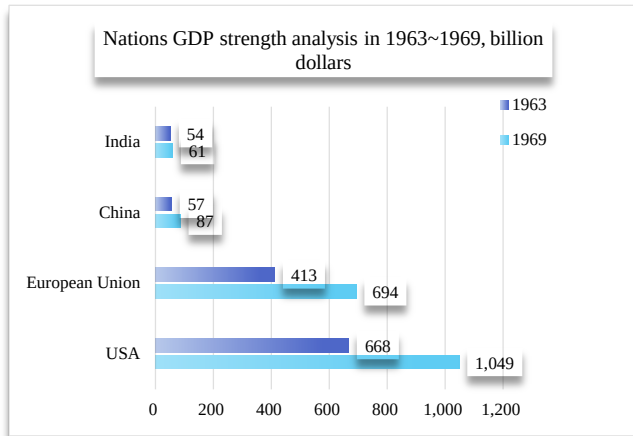


Figure 4 US & European Union etc. Nations GDP changes. [2]

Furthermore, the US & European Union etc. GDP y-y value changes would indicate 2.2%~9.5% by India~USA correspondingly in 1969 according to the Figure 5 exhibited the latter EU strong economic pace with 11% y-y value and variations achievement with around 5 times between them.

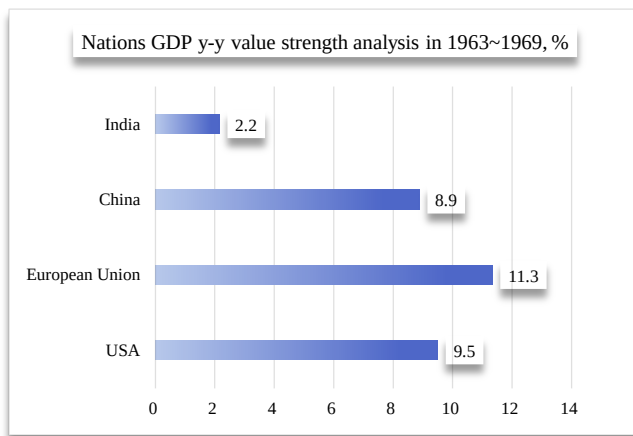


Figure 5 US & European Union etc. Nations GDP y-y value changes. [2]

Moreover, the US & European Union etc. GDP y-y value changes would indicate 7.5%~11.3% by India~USA correspondingly in 1970 according to the Figure 6 exhibited the latter EU & China upwards economic pace with variations of 1.82 times between them.

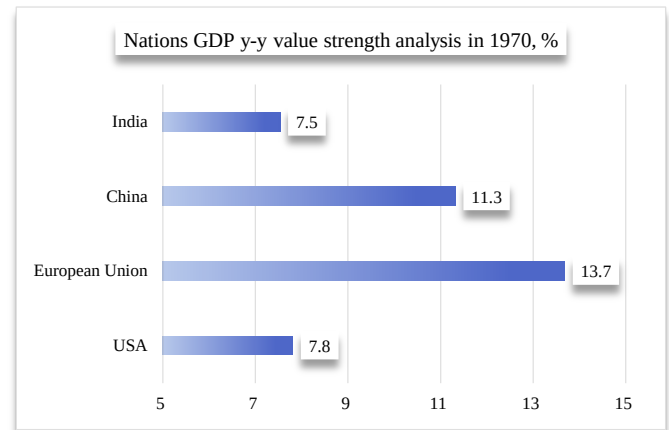


Figure 6 US & European Union etc. Nations GDP y-y value changes I. [2]

In the summary, the reasonable population who had a good education in school and university will create the high-technique upward dynamic in later company life for creating research and development capacity continually. We should carefully cultivate their education with experiment and theoretical deduction to solve some easy and middle difficult mathematical modeling and simulation defined a certain condition by some parameters that may be regulated variation ones to gain the a series of achievement with regards to the each aspect matter. We also should educate the graduate to write the thesis papers with bachelor, master & PhD degree that may be a best proof to process the simulation and subsidiary experiment if possible. Then he may widen the views that may bring out the new vision to write the innovation papers sustainably. From the infrastructure to the high-tech field the new simulation will become an eternal original source, thereby, we must pay more attention to its education route special in graduate thesis, maybe after some years the achievement derived from it will be created with initial innovation eyes.

3. Conclusions

The GDP (gross domestic product) will affect our country level and quality that may change our life style because the high-technique product enters our daily life every a second. We should appreciate the engineers and experts to take out new technology for us to share due to combining many high-techniques software skill to make the complete product more advancement and industrialization that may destroy the traditional economy eventually. The renewable energy like photovoltaic generator, wind turbine one, nuclear generator, hydrogen fuel & carbon one etc. new source one will be exploited by us continually to exhibit its power in front of public. On the other hand, the heat-supplier will be regulated by one house in a building with increasing and decreasing button completing electric releasing role. In the developed country it is essential function, so if you go out to let the heat decrease and when you turn back making it to increase room temperature for the sake of maintaining a normal situation in winter. Thereby, the electric consumption will retain in a high level and capacity. The new electric generator may be used from the nature renewable source with green and low carbon fuel atmosphere like photo, wind, nuclear pile, hydraulic & carbon one. Thereby, the high GDP is about to be created by our continual endeavour with those renewable resource and following machinery making course by our scientist & engineers. Hence, the entire industrial chains and supplied chain special in those down-stream firms because they will assemble all the supplied parts to one mature & complete equipment to transfer all the necessary places like sand dune, seaside & hills. With increasing those equipment by factory the

employment-rate is to be incremented largely whose role can exhibit in the entire new energy transformation ratio. At end, the goods will be created large volume to transport other nations so as to increment the foreign trade activities for the sake of transforming into the foreign dollars with more capital reserve which can buy the essential goods lacking of producing in domestic market necessarily. At the end, the educated talents like university graduates will be recruited to work in different divisions in order to communicate each other experiences to reach a good circulation which can help companies to finish the useful advice transformation and adopt new innovation ones sustainably.

Ethic Declarations

The authors declared that there were not conflicts of interest.

Funding

The paper was supported by the Korea Science & Engineering Funding(KSEF) at the granted No 96-0300-11-01-03, under the Specific Basis Research Program.

References

1. Tianjin & Qingdao etc. Chinese cities GDP variations, July 1, 2026
2. US & European Union GDP analysis, July 3, 2026
3. 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**
4. Run Xu, An Innovation Searching for Prospering Economy GDP Enhancement with the India & Taipei on Scientists' Analyzing Behavior and Judgement by Sustainability, UKR Journal of Economics, Business and Management, Volume 2, Issue 1, 2026, 10~13 **Impact factor 4.33**
5. Run Xu, Changfu Jin, Wanhao Wu, Yonggen Wu, Tianyi Yan, An Innovation Searching for Prospering Economy GDP Enhancement with the Indian & Chinese North-Eastern Three Provinces and Nobel Prize Amount Ranking Analysis on Scientists' Writing Behavior and Judgement by Sustainability, UKR Journal of Economics, Business and Management, Volume 2, Issue 1, 2026, 24~28 **Impact factor 4.33**
6. Run Xu, Changfu Jin, Xianglan Piao, Yonggen Wu, Tao Yu, Boyong Hur, Hyojun Ahn, An Innovation Searching for Prospering Economy GDP Enhancement with the Venezuela vs Shanghai City & Anhui Province etc. vs the Global Average Level etc. Analysis on Scientists' Behavior and Judgement by Sustainability, UKR Journal of Economics, Business and Management, Volume 2, Issue 1, 2026, 33~37 **Impact factor 4.33**
7. Run Xu, Changfu Jin, Yonggen Wu, Tianyi Yan, An Innovative Research about Thriving Chinese New-Power Auto-Makers Sale numbers in 2025 & GDP Enhancement with Venezuela and Chinese Cities etc. Additionally Hubei & Hunan Provinces on Scientists Sustainably, UKR Journal of Economics, Business and Management, Volume 2, Issue 1, 2026, 38~42
8. Run Xu, An Innovative Research about Booming GDP Enhancement with Chinese Hubei & Hunan Provinces, Additionally Stocks Sector Variations on Scientists by Sustainability, UAI J Mult Cul Stu., Volume-2 Issue-1 (January~February) 2026, 29~32
9. Run Xu, Changfu Jin, Yonggen Wu, An Innovation Research about Booming GDP Enhancement with Tokyo Korea Holland & Chinese Top Provinces on Scientist by Sustainability, UAI J Mult Cul Stu., Volume-2 Issue-1 (January~February) 2026, 25~28
10. Run Xu, Boyong Hur, Sugun Lim, Wanhao Wu, Guanghui Yu, Xianglan piao, Enji Li, An Innovation Searching for Retrieving Shanghai & Anhui Provinces and Tokyo City's GDP Enhancement and Two Subjects for Scientist to Publish Sustainably, Isrg j. multidiscip. Stud. Volume-IV, Issue-I, 2026, 28~32
11. Run Xu, Changfu Jin, Yonggen Wu, Tianyi Yan, Boyong Hur, Sugun Lim, Tao Yu, Wanhao Wu, Guanghui Yu, The Innovative Searching for Booming Tokyo & Hong Kong Cities and Shanghai & Anhui Provinces GDP Enhancement Variations on Scientists Publishing in Subjects Information for PhD. by Sustainability, Edu Rekha International Journal of Arts, Law & Social Science, Volume- 2 Issue -1 (January-February) 2026, 1~5
12. Run Xu, Boyong Hur, The Dynamic Simulation of Rotary Inertia on Light Vehicle -Slope I [J], Journal of Mechanical Engineering Research, 2020, September 03 (02) :7~10, DOI:https://doi.org/10.30564/jmer,v3i2,1800 **Scopus, Google Scholar, CrossRef, Scilit, Cnki**
13. Run Xu, The Modeling of Power and Parameters on Wheel Hub for Motor in Forging Press, Scholars Journal of Engineering and Technology, 2021, 9(7): 64~68 **Impact factor 2.14**
14. Run Xu, Screw Analysis of Head broken in Process[J], International Journal of Plant Engineering and Management, 2019, 24 (2):126~128, DOI:10.13434/j.cnki,1007-4546,2019,0209
15. Run Xu, Convergence Proving of the Theoretical & True Elongation Inequalities by Derivation and Analogy[J], Journal of Metallic Material Research, 2020, April 3(1) : 15~19, DOI:https://doi.org/10.30564 /jmmr,v3i1,1757 **Scopus, Google Scholar, CrossRef, Cnki**
16. Run, X, The Dynamics of Torque and Force on Hammer with Six Freedoms by Lagrange Equation in Robotic Arm, Social Science learning Education Journal, 2020, 5(08) August, 300~ 309, DOI 10.15520/sslej,v5i08,2705 **Google Scholar, CrossRef**
17. Run Xu, The Dynamic Equation on Hammer with Lagrange in Robotic Arm, Social Science learning Education Journal, 2020, August, 5(8), 297-300, https://doi.org/10.15520/sslej,v5i08,2703 **Google Scholar, CrossRef**
18. Run Xu, Electric Vehicle Applications in Agriculture and its Prospects, Saudi Journal of Engineering and Technology, Nov, 2020, 5(11): 413-415, DOI : 10.3634 8/sjet,2020,v05i11,002 **Impact factor 1.2**
19. Run Xu et al, An Innovation Study on Thriving Brazil & Chinese Provinces GDP Analysis and Nations Electricity-Generating Amount Variations through Sustainability, UKR Journal of Multidisciplinary Studies, 2(5), 2026, 135~140, DOI: https://doi.org/10.5281/ zenodo. 20305944 **Impact factor: 4.2**
20. Run Xu et al, An Innovation Study on Retrieving Pakistan & China Top Cities GDP Analysis & Natrual Baishan Mineral Water by Nongxin & Pure Milk from Wandashan & Nongfu Spring with Natural Water Introduction through

Sustainability, UKR Journal of Multidisciplinary Studies, 2(5), 2026, 141~146, DOI: <https://doi.org/10.5281/zenodo.20351883> **Impact factor: 4.2**

21. Run Xu, Changfu Jin, Xiangilan Piao, Wanhao Wu, Jianguang Liu, Jing Yu, Tianyi Yan, Zhongchun Cao, Jing Yu, Litao Wang, Yanjun Ma, Guocai Jiang, Hongliang Zhang, Minheng Jin, An Innovation Study on Thriving China Top Provinces GDP Analysis & Stock Changes through Sustainability, UKR Journal of Multidisciplinary Studies, 2(5), 2026, 147~152, DOI: <https://doi.org/10.5281/zenodo.20355876> **Impact factor: 4.2**
22. Run Xu et al, An Innovation Study on Retrieving Pakistan & China Top Cities GDP Analysis & Chinese Provinces GDP Changes through Sustainability, UKR Journal of Multidisciplinary Studies, 2(5), 2026, 179~184, DOI: <https://doi.org/10.5281/zenodo.20442646> **Impact factor: 4.2**