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ARTICLE TITLE:

An Innovation Searching for Prospering GDP Value Enhancement with the Tianjin &Qingdao Cities and Korean &Japanese Per Capita Nations by Sustainability

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Abstract

This highlights the significant regional disparities in economic growth rates across different provinces and countries. Guangdong's strong performance underscores its leading role in driving national economic development, while Henan's rapid expansion reflects the growing momentum in central China. In contrast, Saudi Arabia's relatively slower growth suggests external factors may be constraining its economic pace, despite favorable conditions in other areas. The data collectively indicate that inland provinces like Sichuan and Henan are catching up, contributing to a more balanced national growth pattern. Meanwhile, coastal regions continue to innovate their dedicated the advantage of geography aspect to the coastal regional economy development continuously through widely transacting the foreign trade with multi-countries relationship in shipments. We believe that the whole China included coastal and internal regions will bring out a balance development between them through the cooperative method like transferring the super-voltage electricity from the west to east and north supported by south through the new energy equipment like wind turbine and solar panel generator and nuclear generation. We may erect more those new energy industries with a long-term strategic plan to maintain our high-level cutting-edge-field capacities for the sake of continually developing modern society request in future with high-profitable ones by our scientist and engineers. Thereby those new energy ones may create more additional value industrial positive development from now to more than thirty years by experimental laboratory to application products gradually and eventually. That will make our world more conveniently and efficiently following the potential difficult joints resolved constantly by plenty our senior engineer and scientists endeavour. Therein the more promise future will be formed under emerging high-technique skill and product frequently and sustainably that will highlight our hope and target in future. Hence the GDP value for a nation is able to frequently be enhanced and promoted according to the both of the historical steps and modern requests. Because we have the sharp weapons to make all around the AI(artificial intelligence) application, Robots making, battery reserved-energy technique, big plane making and exploring the out-space etc. many aspects. All of those need us to work closely and collaboratively so as to solve the current difficult problem and open a new inter-disciplinary and crossing-disciplinary subjects for us to process and develop continuously.

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 &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 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. [1~15]

2. Discussions

The auto-maker sale amount will represent one nation mechanical industry strength as an entity, thereby the importance may become very significant in futural development course. So the request can be more and more even by individual family or person who has a willing to buy the vehicle for convenient travel with his family in weekend and vacation. With regards to the promoting live in future there will be more requirement for clients to buy the new power vehicle which may be diversified into very detail difference. So our engineers and scientists need to process more new advance one to exhibit into general market that will cause a bigger talking about with emerging technology like autonomous-driving function. On the other side, we should classify and verify the high-technology as a tool for us to take the GDP enhancement so as to progress our modernization and industrialization step more advanced. So let our scientist and engineers find more convenient functional chips and hardware for the sake of utilized in modern industry making flow-line automatically. At the end through our top experts checking those new AI(artificial intelligence) and automatic products applied to detailing diversity flow-line to make an entire vehicle with robotic labour and automatic-flow-line sustainably.

2.1 Tianjin &Qingdao cities' GDP and y-y value

The Tianjin &Qingdao cities' GDP showed 148 &94 billion yuan indicated the Tianjin strong economy strength in 1998 whilst the y-y value attained 6% &9% accordingly by them recorded up-normal growth speed.
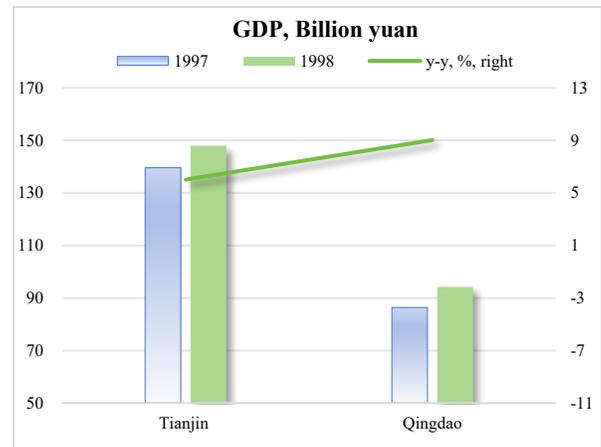

Figure 1. The Tianjin &Qingdao cities' GDP and y-y value. [1]

On the other side, the Tianjin &Qingdao cities' GDP showed 38 &19 billion yuan indicated the Tianjin strong economy strength in 1990 whilst the y-y value attained about 10% accordingly by them recorded up-normal growth speed.
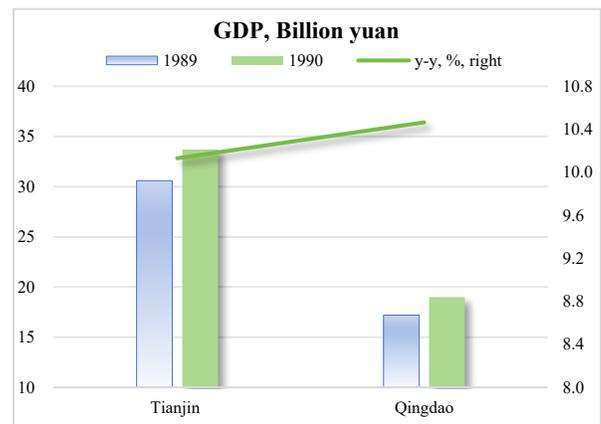

Figure 2. The Tianjin &Qingdao cities' GDP and y-y value.

2.2 Korea &Japan GDP per capita analysis

The Japan &Korea' GDP per capita showed 35,160 &28,760 dollars indicated their strong economy strength in 2015 whilst the y-y value attained about -7% &-1.4% accordingly by them recorded their minus growth speed in Figure 3.
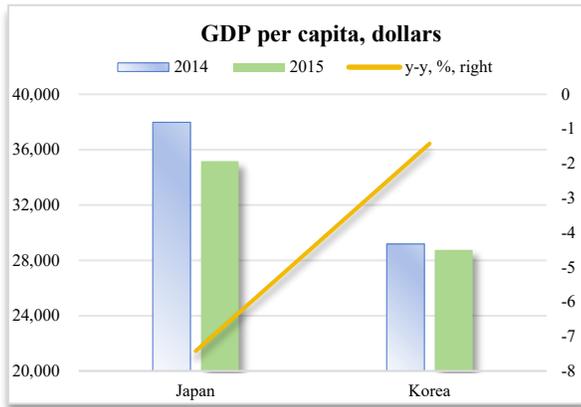

Figure 3. The Japan &Korea' GDP per capita and y-y value. [2]

At the same time, the Japan &Korea' GDP per capita showed 29,66 &324 dollars indicated the Japanese strong economy strength in 1972 whilst the y-y value attained about -7% &-1.4% accordingly by them recorded their minus growth speed in Figure 3.
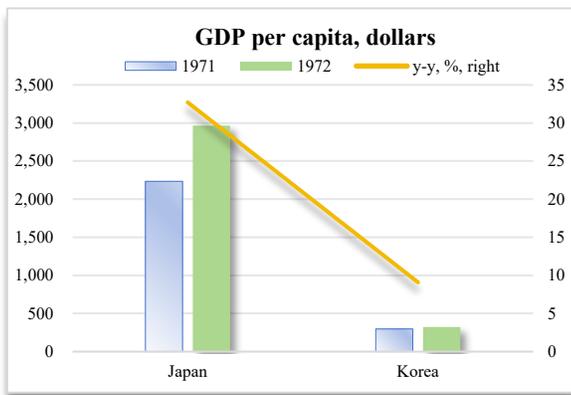

Figure 4. The Japan &Korea' GDP per capita and y-y value in 1971~1972.

At the same time, the Japan &Korea' GDP per capita showed 105 &32 dollars indicated the Japanese relatively stronger economy strength in 1931 whilst the y-y value attained about -16% &-11% accordingly by them recorded their minus growth speed in Figure 5.
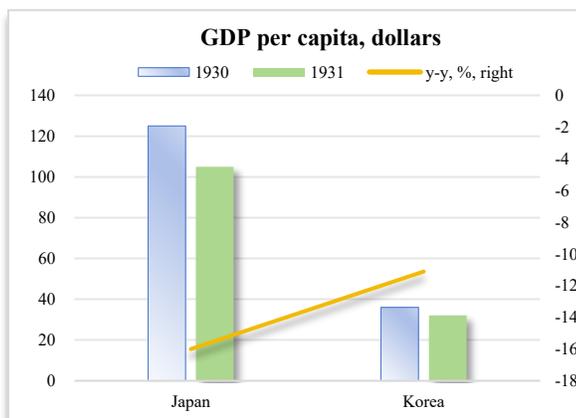

Figure 5. The Japan &Korea' GDP per capita and y-y value in 1930~1931.

At last, the Japan &Korea' GDP per capita showed 40,300 &31,690 dollars indicated the Japanese relatively stronger economy strength in 2020 whilst the y-y value attained about 2% &12.7% accordingly by them recorded the Korean faster growth speed in Figure6.
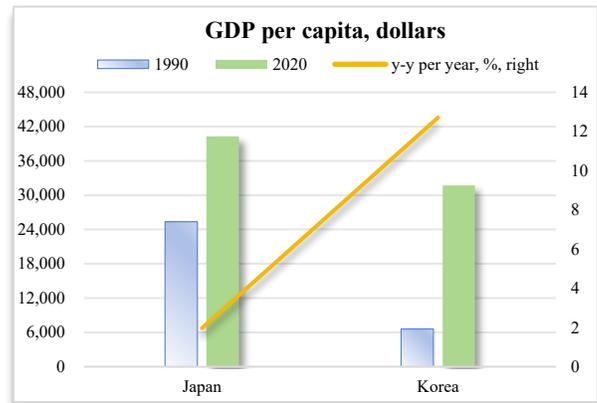

Figure 6. The Japan &Korea' GDP per capita and y-y value in 1990~2020.

Summarily, the high-technique product can create the more advanced one for serving to people conveniently, thereby we must fast look for the track of new phenomenon and theoretic proof so as to quickly grasp new one sustainably. Only if we master enough new ones we can avoid going around the longer path with wasting much time and labour. Therefore, we should investigate detailing documentary materials frequently and know the one thing tendency with regulating all over our prior research and development in a library. We should fast occupy the advantage one and then the labor will become more brilliant. Let us continue make a good and new thing everyday. At the same time, the request research and project can wield more innovative loop and then it pushes the GDP value to make an increasing every year. [16~20]

3. Conclusions

This highlights the significant regional disparities in economic growth rates across different provinces and countries. Guangdong's strong performance underscores its leading role in driving national economic development, while Henan's rapid expansion reflects the growing momentum in central China. In contrast, Saudi Arabia's relatively slower growth suggests external factors may be constraining its economic pace, despite favorable conditions in other areas. The data collectively indicate that inland provinces like Sichuan and Henan are catching up, contributing to a more balanced national growth pattern. Meanwhile, coastal regions continue to innovate their dedicated the advantage of geography aspect to the coastal regional economy development continuously through widely transacting the foreign trade with multi-countries relationship in shipments. We believe that the whole China included coastal and internal regions will bring out a balance development between them through the cooperative method like transferring the super-voltage electricity from the west to east and north supported by south through the new energy equipment like wind turbine and solar panel generator and nuclear generation. We may erect more those new energy industries with a long-term strategic plan to maintain our high-level cutting-edge-field capacities for the sake of continually developing modern society request in future with high-profitable ones by our scientist and engineers. Thereby those new energy ones may create more additional value industrial positive

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Ethic Declarations

The authors declared that there were not conflicts of interest.

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