

An Innovation Research of Promoting Economic GDP and BEV & PHEV Market Occupation Rate & Stocks Change on Scientists' Behavior & Judgement Continually

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Article History	Abstract
Original Research Article	<p><i>An innovation research on the interplay between economic GDP growth, the rising market occupation rate of battery electric vehicles (BEVs) and plug-in hybrid electric vehicles (PHEVs), and their impact on scientists' behavioral patterns and judgment accuracy in technological forecasting is presented. The study employs a dynamic panel data model to analyze cross-national innovation trends, revealing that increased EV market penetration correlates with heightened scientific engagement in sustainable technology development, thereby reshaping research priorities and decision-making frameworks under evolving economic conditions. The BEV &PHEV as a national strategic plan will affect the next generation GDP due to its related easy making criterion and atmosphere contamination problem, so that the innovation vehicle-use battery may become an eminent highlight for our scientists and experts to search more effective methods to decrease its cost and promote efficiency &stability and safe etc. problems. Hence, the BEV &PHEV as a main industrial pillar in 21 century modernization will widely be used at the different utilities like short-distance less than 200Km, medium-distance 200~500Km and long-distance more than 500Km with various loads according to its requirement. Therefore, the vehicle diversified market usefulness will provide more detailed aspects to design every consideration in terms of practical destination like in a DBA (Doctor of Business Administration) thesis of the Hitotsubashi University PhD. We should continue to further develop the vehicle quality and quantity with more diversified market demand that may be look for and find through many ways like customer and auto fix station, hence the main issue will be found like load size and distance and its car, SUV (sport-utility vehicle) & MPV (multi-purpose vehicle) with various power. Only by increasing multi-utility vehicles may we stand up the peak for looking for the national views like multilateral trade transaction.</i></p> <p>Keywords: <i>research, economic GDP(gross domestic product), scientists, continually, behavior & judgment, journal introduction, publish papers, BEVs &PHEVs.</i></p>
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1. Introduction

The GDP (gross domestic product) which indicates national economic status has played 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 able to provide 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 status.

In contrast, the GDP growth 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 governmental institutional efforts 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.

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 achieving modernization. An innovation industry like new energy electric generator will be in front of our path forwards, so that the corresponding strategy 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.[1~6]

2. Discussions

We will discuss the BEV & PHEV sale etc. data to find the new quality productivity effectiveness to the society that may carry us forwards enjoying the modernization through producing enhanced EV so as to run longer distances with 3~4 persons to 5~6 persons with various utilities vehicle. On the other side, GDP may represent the historical and current economy development level and its influence. Hence, the fitting developed step will be available and in China the step of GDP for 2025 will be predicted 5.2%, let's look forwards to seeing the whole year result in beginning of 2026. At last the academic paper will be proceeding continuously through the scientist and experts in university and R & D (research & development) department in various journal which likes to publish academic paper on-line and off-line quickly and cheaply like in India journals. [7~22]

2.1 BEV & PHEV sale & occupation

The PHEV sale & occupation to top four in the first three seasons in 2025 showed 28%~6% by BYD~Geely respectively in light of Figure 1 to show the BYD strong motor market sharing capacity. Moreover, the AITO followed BYD to become the second one with occupation 6.8% while the Chery followed AITO become the third one with occupation 6.6%.

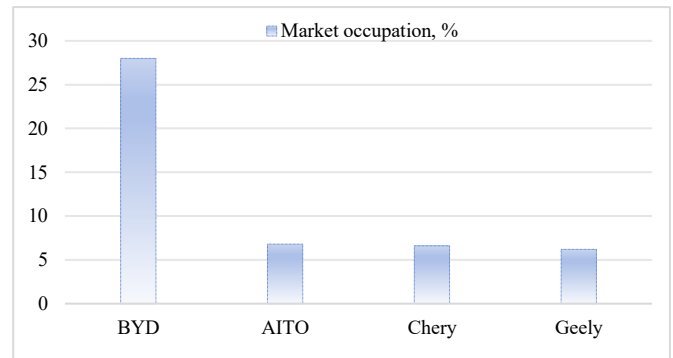


Figure 1. The PHEV sale & occupation to top four. [1]

On the other side, the BEV sale & occupation to top 5~10 in the first three seasons in 2025 showed 4%~2% by Leapmotor~BMW respectively in light of Figure 2 to show the Leapmotor strong motor market sharing capacity. Moreover, the Xpeng followed Leapmotor to become the second one with occupation 3.1% while the Volkswagen followed Xpeng become the third one with occupation 3%. At last the Xiaomi & Hyundai occupied the fourth & fifth one accordingly.

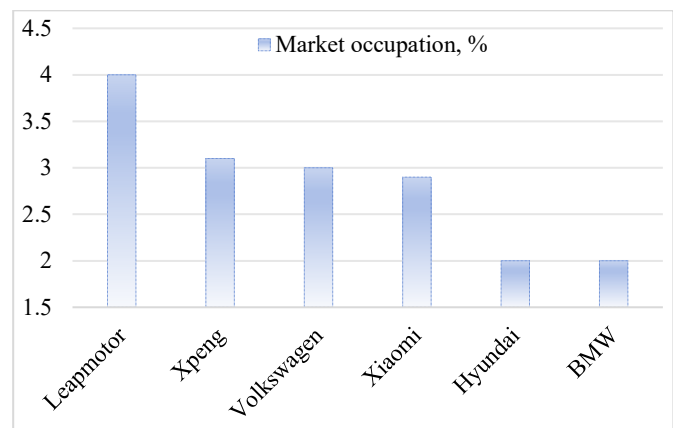


Figure 2. The BEV sale & occupation to top five-ten. [1]

2.2 Subject for the IOSR Journal of Business and Management

As for Dear Author we are pleased to inform you that IOSR-JBM is going to launch its next issue by December 2025. so that we would like to invite you to contribute your Research Paper for publication in IOSR-JBM. The international Journal that provides rapid publication (within a month) of articles in all areas of business and management and its applications. The journal welcomes publications of high quality papers on theoretical developments and practical applications in business and management. Like original research papers, state-of-the-art reviews, and high quality technical notes are invited for publications. Furthermore, our Journal's impact

factor affords **3.52** and the publication frequency will be 12 issue per year whilst the IOSR-JBM follows the rapid publication process. At the same time, The indexing is as below. Crossref, NASA ads, DOAJ, Index Copernicus, Open-J Gate etc. e ISSN No. 2278-487X & p ISSN No. 2319-7668. Finally, to call for paper the IOSR Journals publishes within 48 hours. Meantime, the important dates will be as following. 1. The submission last date is 15 December 2025; 2. The acknowledgement of submission: is about to within 24 hrs; 3. The acceptance notification is after 3-4 days of submission; 4. The publication date will be 20 December 2025. [2] So that we heartily invite the author like scholars to submit their valuable papers to us quickly, we must deal with them rapidly with no hesitation.

2.3 Vietnam &Guangxi province GDP comparison

The Vietnam &Guangxi province GDP indicated 3.4 &2.8 trillion yuan by Vietnam &Guangxi province in 2024 respectively in light of Figure 3 to show the Vietnam economic strength. Furthermore, the y-y 2024 value exhibit 11% &4.6% accordingly by them showed Vietnam faster development speed than Guangxi province.

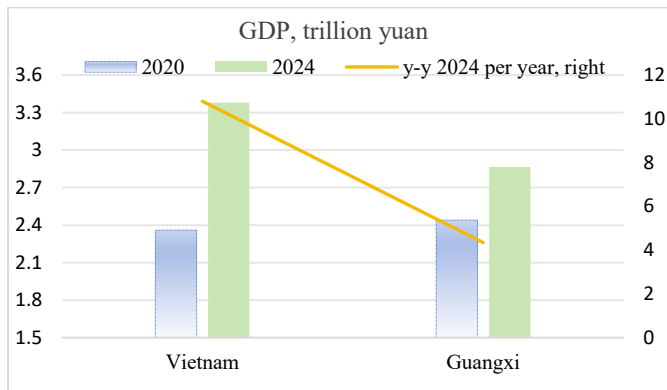


Figure 3. The Vietnam &Guangxi province GDP value. [3]

Moreover, the Vietnam &Guangxi province GDP indicated 1.9 &1.8 trillion yuan by Vietnam &Guangxi province in 2017 respectively in light of Figure 4 to show the their economic strength. Meantime, the y-y 2017 value exhibit 63% &66% accordingly by them showed Guangxi faster development rate than the former province.

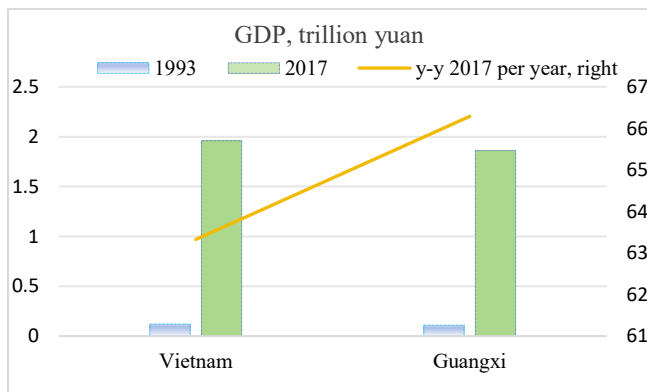


Figure 4. The Vietnam &Guangxi province GDP value in 1993~2017.

2.4 The Korea &Guangdong province GDP analysis

The Korea &Guangdong province GDP showed 11 trillion yuan~12.5 trillion yuan by Korea &Guangdong province accordingly in 2020 in terms of Figure 5 while the y-y 2020 value indicated 4% &12% by them respectively to show the Guangdong economic more developed strength and speed than Korea.

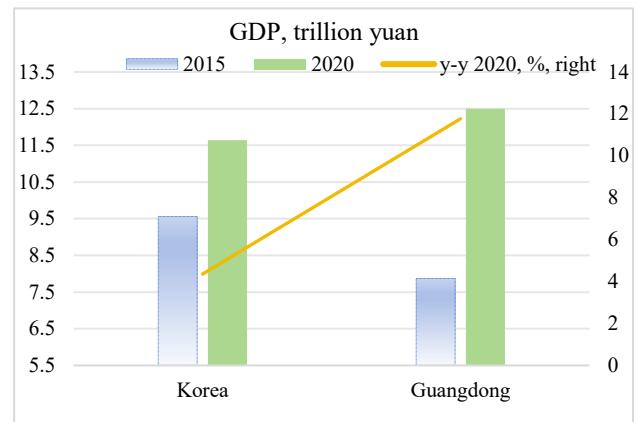


Figure 5 The Korea &Guangdong province GDP comparison in 2015 &2020. [3]

Furthermore, the Korea &Guangdong province GDP showed 4.5 trillion yuan~1.2 trillion yuan by Korea &Guangdong province accordingly in 2000 in terms of Figure 6 while the y-y 2000 value indicated 19% &216% by them respectively to show the Guangdong economic more developed strength and speed than Korea definitely.

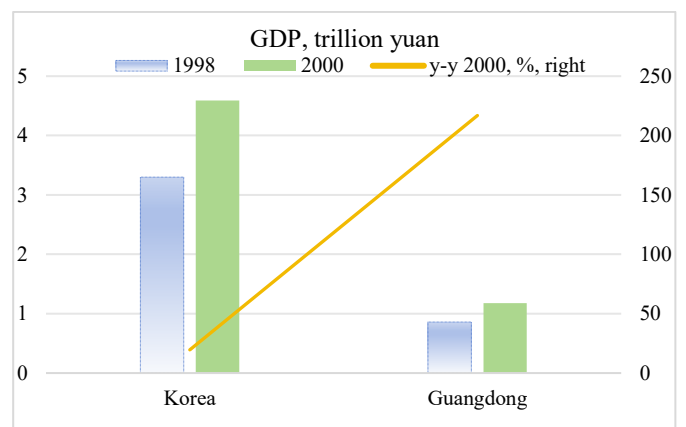


Figure 6 The Korea &Guangdong province GDP comparison in 1998 &2000.

2.5 Introduction to the Mushang Civet coffee beverage(original bacon extracted)

Its ingredients include water, sugar, fresh coconut juice, ice-drip coffee liquid, salt, food flavour. Therein, the fresh coconut juice amount \geq 26g/l; ice-drip coffee liquid \geq 20g/l; product standard number is GB/T-30767; caffeine \geq 200mg/kg. The expired date will be 18months.

Table 1 The Mushang Civet espresso's nutrition ingredient [4]

Ingredient	Content Per 100ml	NRV (nutrient reference value), %
Energy	181KJ	2
Protein	0.6g	1
Fat	1.7g	3
Carbohydrate	6.3g	2
Natrium	91mg	5

Overview, the high-technology product will meet our modernized requirement day by day, so our experimental laboratory and factory research & development departments would continually produce the innovative ones for us to share and enjoy from now on. Firstly the former will look forward to finding some new things like new function and material processes, and secondly the mature ones will be transferred to factories to trial sample towards the customer downstream maker and dealer, then thirdly the new product may be pushed into market and consumer in the end. Thereby the more sophisticated and advanced function and lowering cost, enhancing effect path and measure still will be searched for sustainably.

3. Conclusions

The national GDP will reflect and monitor one nation even regions economy development status where through comparing with others in various time and date the advantage and disadvantage may be observe. Hence we will grasp the fitting value for GDP & y-y value so as to boost our economic developing situation with a proof to show the rapidness and slowness degree by government institution which may male a blue-diagram for next year even middle plan after several year. Whereas, we will plan our investment & health a certain for the sake of enjoying the high-level-quality modern life earlier. On the other side, the high-technology product like chargeable battery used in the EV (electric vehicle) and robot will be prevalent currently and future which may afford the continuously dynamic for it to drive longer like 2 hundred kilometers per charge, so its usefulness will be more searchable and searching item for us to process later. New one like the solid state battery as a new innovation will be used in EV in future widely, which may become a high-light for our scientists to process continuously. At the same time, the scientist needs to publish their achievement continually to journal with high impact factor for the readers to know the situation and feasibility. The author like scientist in college would complete the investigation content and form the formal achievement for the sake of communicating with readers with wielding English skill well. Thereby the correct and clarified information might transfer into the readers' understanding who has an interest to know the meaning

from papers. Therein the published one will overview from the author readers through editor help. We should pay more attention to the innovation aspects which may take up some new idea and paths. As for scientist he needs to continuously search for new projects for the sake of further searching for the deeper and wider field all the time.

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Ethic Declarations

The authors declared that there were not conflicts of interest.

References

1. BEV & PHEV sale & occupation, Dec. 9, 2025
2. E-Mail, Dec. 10, 2025
3. Vietnam & Guangxi province GDP value, News, Wechat, Dec. 10, 2025
4. AD, The Mushang Civet coffee Run Xu, The Relationship of Properties with Variable Mass of Block on Crank Linkage Mechanism in Multibody System, (American) SunText Review of Material Science, 2021, S1: 105 **Crossref, Goolge scholar, Scilit**
5. Run Xu, Boyong Hur, A Simulation between Torque and Angle with Speed on Five Freedoms of Robot Mechanical Arm in Multibody Systems, Saudi Journal of Civil Engineering, 2021, 5(5): 91~93 **Impact factor 1.2**
6. Run Xu, Boyong Hur, The Relationship between Force and Time with Lagrange Equation by Regulating Piston Mass on Crankshaft of Vehicle, Saudi Journal of Engineering and Technology, 2021, 6(4): 73-76 **Impact factor 1.2**
7. Run Xu, Jianguang Liu, The Kinematics Model Establishment of Crank and Linkage with Time under Low Speed in Vehicle, 2021, 6(4): 67~72, Saudi Journal of Engineering and Technology, 2021, 6(4): 57~61
8. Run Xu, Modeling Control and Analysis between Force and Time, Length, Diameter & Stress in Forging Process of Screw, (American) SunText Review of Material Science, 2021, S1: 102, DOI: <https://doi.org/10.51737/2766-5100,2021,S1,002> **Impact factor 2.6**
9. Run Xu, The Relationship between Volume & Pressure and Rotation & Torque in Engine

Cylinder, Saudi Journal of Engineering and Technology, Nov, 2020, 5(11): 48-485, DOI: 10.36348/sjet,2020, v05i 11,015 **Impact factor 1.2**

10. Run Xu, The Kinematic Models of Crank with Angle and Time in Motor Housing Process, Saudi Journal of Engineering and Technology, Nov, 2020, 5(11): 474-479, DOI : 10.36348/sjet,2020,v05i 11,013 **Impact factor 1.2**
11. Run Xu, The Dynamic Modelling of Vortex Axis Blade between Speed, Force and Rotation under Variable Angle & Power in Helicopter, (American) SunText Review of Material Science, 2021, S1: 103 **Impact factor 2.6**
12. Run Xu, The Study of Relationship between Current and Acceleration on Simulation in Motor, (American) SunText Review of Material Science, 2021, S1: 101, DOI: <http://doi.org/10.51737/2766-5100,2021,S1,001> **Impact factor 2.6**
13. Run Xu, Kim Sangshik, Seol Jaebok, Sung Jaekyung, Nam T, Ahn H, Liu Jiaguang, Yu Jing, Wu Yonggen and Wen Junfeng, Dynamics Modelling Between Torque and Rotational Angles and Time Parameters in the Curve of Heavy Vehicle, TESS Res Res Rev, 2023, 2(1): 125
14. Run Xu, The Study on Personnel Training in China, South Asian Research Journal of Engineering and Technology, 2021, 3(3): 96-98,
15. Run Xu, Letter to Son Xu Junhao [J], Sun Text Review of Material Science, 2022, 3(1): 149. **Google Scholar, CrossRef, SCILit**
16. Run Xu, Vehicle Design and Launch under Dynamic Balance, International Journal of Engineering Inventions, 2023, 12(2): 12-14. **Google Scholar, ESCI, Impact factor 7.2**
17. Run Xu, The Effect of Artificial Intelligence Product and Automatics Equipment Investment on User Profitability, International Journal of Engineering Inventions, 2023, 12(2): 09-11. **Google Scholar, ESCI, Impact factor 7.2**
18. Run Xu, KW KIM, HJ Ahn, New Estimation Methods for Economics and Management Models, International Journal of Engineering Inventions, 2023, 12(2): 75-79. **Google Scholar, ESCI, Impact factor 7.2**
19. Xu R, Anh HJ, Reddy NS, Nam TH, Importance of Enterprise Product Design and Innovation,

SunText Rev Mat Sci 2023, 4(S1): 153. **Google Scholar, CrossRef, SCILit**

20. Run Xu, The Principle of Investment in Sustainability Economy & Stocks, ISRG Journal of Arts, Humanities and Social Sciences, 2024, II (I): 181-183, DOI: 10.5281/zenodo.10642814. **Impact Factor 5.4**
21. Run Xu, The Principle of Investment in Sustainability Economy & Stocks, Universal Library of Business and Economics, 2024; 1(1): 28-30
22. Run Xu, High Quality Development and Innovation of Current Finance and Digital Economy with Sustainability, ISRG Journal of Arts, Humanities and Social Sciences, 2024, II (I): 276-278, DOI: 10.5281/zenodo.10656221. **Impact Factor 5.4**