



## The Study for Boosting the High-Tech Skills and Thriving Economic GDP Indicator on Progressing Post-Doctorate R & D Base's Fellows & Scientist Sustainably IV

By

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### Abstract

*The China Guangdong province and India GDP (Gross domestic product) ranking would display the 8~14 TY (trillion yuan) and 14 ~24 TY correspondingly in light of the National Bureau of Statistics. Therein, the India could exceed the Guangdong about 6~10 TY in 2015 and 2024 accordingly where the difference in 2024 might become larger with middle value. The most valuable companies in the world will display in Table 1 where Microsoft, Apple, Nvidia, Alphabet & Amazon is about to have market capital with 3.2 TUSD ~2.0 TUSD correspondingly in May 5, 2025. Moreover, China & European Union GDP with top Nine listing would exhibit 18 TUSD ~1 TUSD through China ~Swiss in 2023 where the difference between China and Britain was attaining 15 TUSD with expressed the bigger distance and exposing the boosting China economic development then. At last the Chinese scientists in the world published many papers in one day in famous Nature journal for various fields like quantum one. On the other side, Daniel C. Drucker Medal was established in 1997 and is conferred in recognition of distinguished contributions to the field of applied mechanics and mechanical engineering through research, teaching and service to the community over a substantial period of time. Moreover, it was instituted by the Applied mechanics division, the medal honors Dr. Daniel Drucker and commemorates his service to the profession. At the same time, the Hong Kong's Lilly which is a cloth business one and Tencent which is a China Internet company may occupy the 13 and 16 position in top twenty companies in the world accordingly. At the same time, the GDP (Gross domestic product) will indicate the y-o-y (year over year) increase rate according to calculating the amount, so it may present the relationship between two years even two months and so on. It can provide the real increase rate accurately so we may judge the developing speed and make some regulation for a certain. Thereby it is the most important economic indicator as we erect modeling to predict GDP for the next several years.*

**Keywords:** high-tech; study; economic innovation; boost; thrive; economic indicator; Scientist; fellows; GDP; post-doctorate

### 1. Introduction

There are many foundations which may cause the new disciplinary subjects like Neuro-Network whose role may affect our human being long time in the views of forecasting the non-definition matters occurrence in scientific theory and engineering actuality. So our AI technique had so great development up to now with labor robotic producing who

may work for us to substitute for human being with AI technology. We should pay more attention to their ethic problem if they may replace for us to work within a certain ethic matters. Like how to define them and limit them to act within a certain frame will become an important issue more and more. On the other hand, the high-technique product may progress the financial reformation with different measures since it needs to make experimental course and theoretical

proof one which spends many scientists and scholars to proceed the preliminary trial with wielding their wisdom and mathematical knowledge and experiences to resolve the difficult matters continuously and constantly. [1~9] Thereby we would demand as many as scholars to join our troops so as to process much brain labors for dedicating to the sophisticated and advance mathematics like array induction and partial differential etc. research projects to explore the new world and phenomenon. Overview, the financial initiatives and high-technique skills might cause sympathetic vibration effectiveness with fluctuating high-technique companies in stocks exchange center. We would like to choose more high-tech ones which could maintain a long-term benefit main-line continuously. [5~9] In short, the high-technique product like AI+algorithm force+concept will prevail in recent years for continuous research and development through our wide researchers and engineers. On the other side, the financial reformation may continue to push many-types financial tools for retrieving financial prospects within our surround so as to proceed investment activity. Hereby, the mentioned two aspects may be developed largely throughout our government support and advocating. [10~19]

## 2. Discussions

Should we continuously proceed our significant research for the sake of progressing our urgent issues with collaborating and cooperation to other scientists and write papers with co-authors continually? The answer will become clear since we may chase the noble and innovation things. So that we talk about the economic GDP indicator and stock market change as a financial innovation besides the famous scientists publishing papers in Nature and Warren E. Buffett famous businessman in below and details.

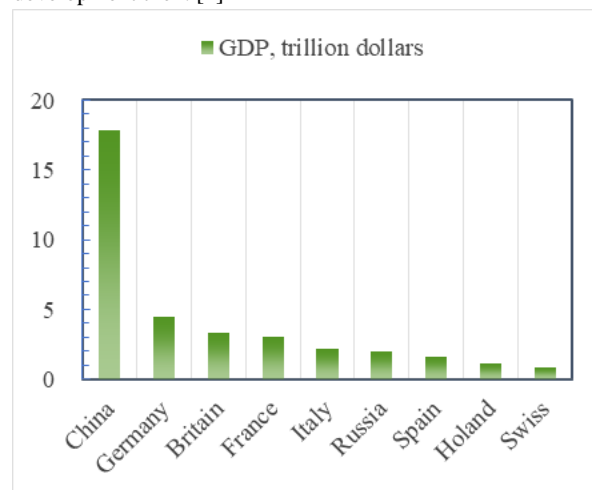
### 2.1 Scientists achievement introduction through Chinese

Hanqing Jiang who was born in Hebei graduated from Dalian University of Science & Technology for his undergraduate in 1996 and from Tsinghua University for his PhD in 2001. Then after received PhD he went to U.S. Illinois University to proceed his Post-Doctorate Research Mobile Station tutored by Yonggang Huang and in 2006 he joined the Arizona State University as an assistant Professor, associate professor and professor ever. In 2021 he decided to return back mainland and joined the Xihu University fully up to current, now he is in charge of mechanical engineering as an endowed chair. At the same time, he mainly proceeds materials, dynamics & multi-field coupling problem theory & applied research. He is also ASME Fellow (American Society of Mechanical Engineers Fellow) and European Academy of Science and Art Academy of Science etc.. [3] On the other hand, Huajian Gao who worked in Tsinghua University has acquired the ASME highest honors- ASME Medal to become the first that Awards Chinese scientist and became simultaneously acquired those three highest honors in international dynamics fields. In additional, the Daniel C. Drucker Medal was established in 1997 and is conferred in recognition of distinguished contributions to the field of applied mechanics and

mechanical engineering through research, teaching and service to the community over a substantial period of time. Moreover, it was instituted by the Applied mechanics division, the medal honors Dr. Daniel Drucker and commemorates his service to the profession. Furthermore, the other from domestic educational background Chinese scientists has included in the Chuanhai Liu who is in Wuhan University alumni came from Prudent University Qi Long who is China University of Science & Technology alumni came from Pennsylvania University and the Weijie Su who is Perking University in 2011 came from the same University. The Weijie Su has ever been a member of Mathematics Olympic national team drilling one and still he was the first Chengdong Qiu undergraduate mathematics conquer's golden medal Awards. [3]

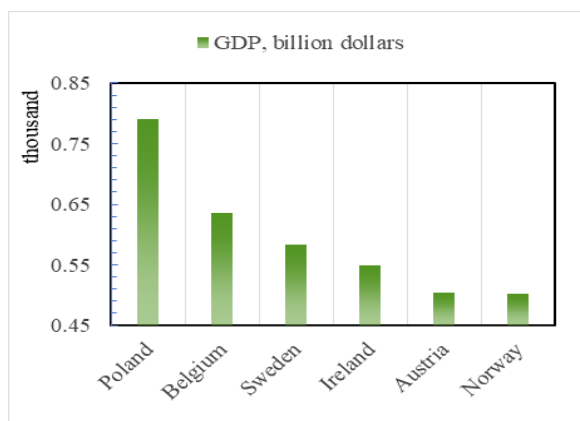
### 2.2 China and European Union nominal GDP with top Nine ranking in 2023 & 2024

As shown in Figure 1 the China & European Union GDP with top Nine listing would exhibit 18 TUSD ~1 TUSD through China ~Swiss in 2023 where the difference between China and Britain was attaining 15 TUSD with expressed the bigger distance and exposing the boosting China economic development then. [1]



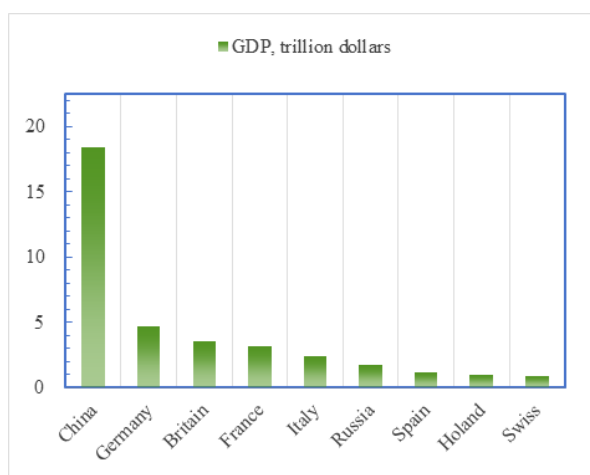
**Figure 1 The China and European Union nominal GDP with top Nine rank in 2023.**

Moreover, the Poland ~Norway ones would provide 780 BUSD ~500 BUSD with the middle difference of above 200 BUSD between them in 2023 respectively as pictured in Figure 2.



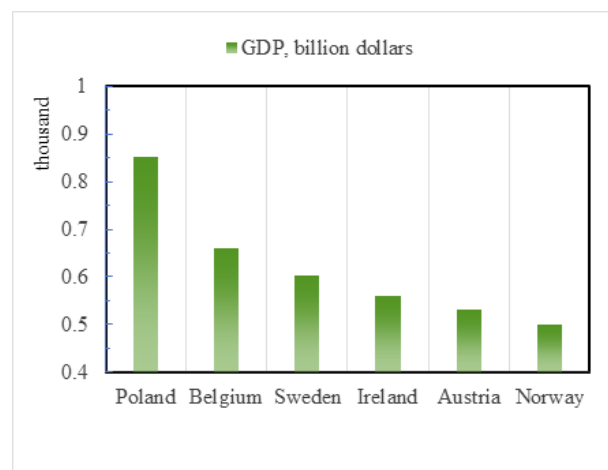
**Figure 2 The China and European Union nominal GDP with top ten~fifteen rank in 2023. [1]**

In light of Figure 3 the China ~Swiss GDP would afford 18TUSD ~1 TUSD with higher space about 17 TUSD to expose the China economic entity strong in 2024. at the same time, the difference between the China and Germany one might reach 13 TUSD with high distance to them in the same year which showed the top one and two's distance and reflected the China strong again. [1]



**Figure 3 The China and European Union nominal GDP with top Nine rank in 2024.**

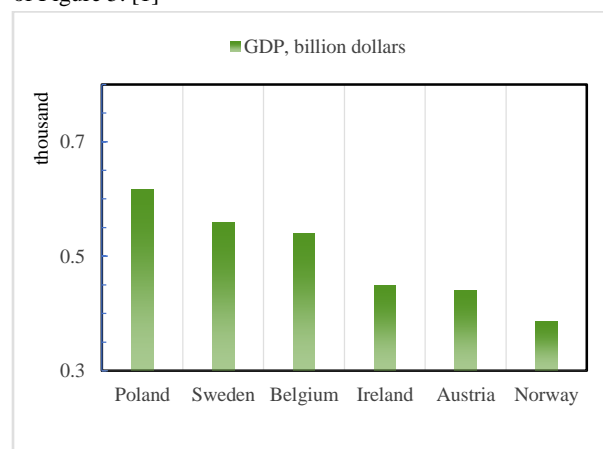
On the other side, the Poland ~Norway will express the 850 BUSD~500 BUSD with the No. ten ~fifteen country respectively in 2024 where the Poland and Belgium difference reached 200 BUSD with middle distance in the same year.



**Figure 4 The China and European Union nominal GDP with top ten~fifteen rank in 2024.**

### 2.3 China &European Union nominal GDP with top ten~fifteen ranking in 2020

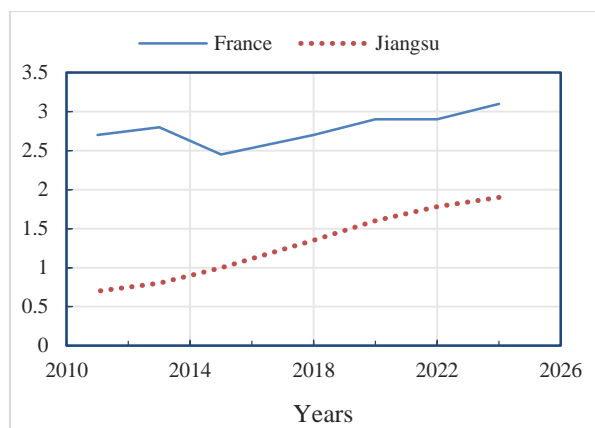
The China &European Union nominal GDP arranged 615 BUSD~386 BUSD(billion dollars) with top ten ~fifteen through Poland ~Norway where the difference is very little with about 50 BUSD among them in light of IMF(International monetary Fund) and provided data in terms of Figure 5. [1]



**Figure 5 The China and European Union nominal GDP with top ten ~fifteen ranking in 2020.**

### 2.4 Jiangsu &France GDP general amount comparison

The France &Jiangsu GDP amount would display 2.7~3.1 TUSD(trillion dollars) and 0.6~1.8 TUSD accordingly within 2011~2024 like in Figure 5 in light of the Bank of World. Moreover, in 2024 the difference between them provided 1 TUSD with middle value expressed the France economic advance and entity and Jiangsu promoting one while in 2011 it would attain 2TUSD with big one.[4]



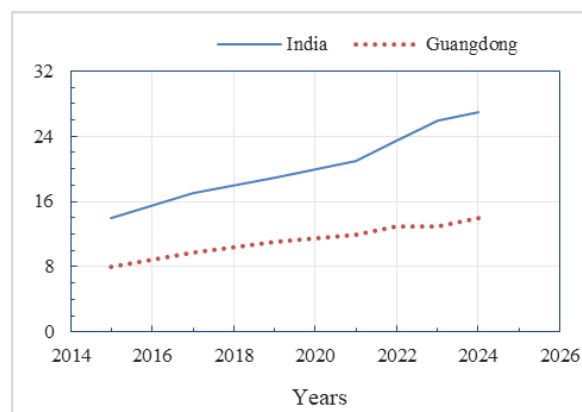
**Figure 6. The Jiangsu & France GDP general amount comparison within 2020~2024, TSD(units).**

### 2.5 Journal (IOSR) publishing papers

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### 2.6 Guangdong & India GDP list

The China Guangdong province and India GDP ranking would display the 8~14 TY(trillion yuan) and 14 ~24 TY correspondingly in Figure 7 in light of the National Bureau of Statistics. Therein, the India could exceed the Guangdong about 6~10 TY in 2015 and 2024 accordingly where the difference in 2024 might become 10 TY with middle value explained the India economy more highly increasing speed from 2020 while the Guangdong is maintaining a stable speed. [5]



**Figure 7. The china Guangdong province & India GDP comparison in 2015~2024, TY(units)**

### 2.7 Most valuable companies in the world

The most valuable companies in the world will display in Table 1 where Micorosoft, Apple, Nvidia, Alphabet & Amazon is about to have market capital with 3.2 TUSD ~2.0 TUSD correspondingly in May 5, 2025. Therein, there are 32 ones U.S. companies and 6 ones China companies to be entry the top 50 ones in light of the listing by the latest released at Canadian research institution Visual Capitalist. At the same time, the HK one Lilly which is a cloth business one and Tencent which is a China Internet company may occupy the 13 and 16 position in top twenty companies accordingly.

**Table 1 The world's top ten valuable companies listing. [7]**

No.	Name	Market Cap., TUSD	No.	Name	Market Cap., TUSD
1	Micorosoft	3.2	11	Tesla	0.9
2	Apple	3.0	12	Walmart	0.79
3	Nvidia	2.8	13	Lilly	0.738
4	Alphabet	2.0	14	JP Morgan Chase & Co.	0.7
5	Amazon	2.0	15	Visa	0.66
6	Saudi Aramco		16	Tencent	0.58
7	Meta	1.5	17		
8	Berkshire Hathaway	1.0	18	Netflix	0.48
9	Broadcom	0.94	19	Costco	0.45
10	Tsmc	0.915	20	Exon Mobile	0.445

### 3. Conclusions

The China Guangdong province and India GDP ranking would display the 8~14 TY(trillion yuan) and 14 ~24 TY

correspondingly in light of the National Bureau of Statistics. Therein, the India could exceed the Guangdong about 6~10 TY in 2015 and 2024 accordingly where the difference in 2024 might become larger with middle value. The most valuable companies in the world will display in Table 1 where Microsoft, Apple, Nvidia, Alphabet & Amazon is about to have market capital with 3.2 TUSD ~2.0 TUSD correspondingly in May 5, 2025. Moreover, China & European Union GDP with top Nine listing would exhibit 18 TUSD ~1 TUSD through China ~Swiss in 2023 where the difference between China and Britain was attaining 15 TUSD with expressed the bigger distance and exposing the boosting China economic development then. At last the Chinese scientists in the world published many papers in one day in famous Nature journal for various fields like quantum one. On the other side, Daniel C. Drucker Medal was established in 1997 and is conferred in recognition of distinguished contributions to the field of applied mechanics and mechanical engineering through research, teaching and service to the community over a substantial period of time. Moreover, it was instituted by the Applied mechanics division, the medal honors Dr. Daniel Drucker and commemorates his service to the profession. At the same time, the Hong Kong's Lilly which is a cloth business one and Tencent which is a China Internet company may occupy the 13 and 16 position in top twenty companies in the world accordingly.

#### Conflict of Interest

The authors declared that there were not conflicts of interest to disclose.

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