

## An Innovation Study for Proceeding University of Toronto Faculty Force & 2024 Chinese Top Cities GDP Changes with Sustainability

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Article History	Abstract
Original Research Article	<p><i>The talents will play an important effectiveness in erecting making product procedures transformed from the university to manufacturer, so reserving a certain talents can be urgent agenda for us to prepare. So that the educating excellent talents in university might become dominated strategic plan for choosing the reasonable ones fitting to their advantage by human research and recruitment department like aligning the fitting departments to them according to wielding their hobby and potential capacity in futural working atmosphere. The highness refinement speciality one's development course would be emphasized highly for applying to the presently hot enterprises' research &amp;development division. So that they might learn and use their knowledge and practical experience to solve the difficult problems for the sake of wielding enough their capacity and innovation even wisdom gradually. We should seek and find the excellent talents from the entire nation to over-sea scientists because they attain that high-level capacity so as to solve the cutting-edge-field meeting all aspects easier than general graduates. From building mathematical inducing modeling to proceed corresponding experiment the high-technique achievement could be discovered step by step with having the theoretic results and trial proving that makes the technique to become exposed in public. Thereby, the correct achievement might be proposed by those experts gradually for the sake of improving the making high-tech product capacity eventually, which may promote new quality productivity for us to seek. Maybe several years later the similar products will become the live equipment with high-intelligence like non-man driving technique applied to the automobile for promoting security. On the other side, the humanoid robot with artificial intelligence programme may be exhibiting in big city that may reform the whole automatic time from now on. Thereby, the new ones can be cultivated through the expert and scientists sustainably and continuously from current level to sophisticated making and regulating time in near future. As a consequence the innovative products may be transferred into the office, dormitory even factory that could promote our entire high-technique second industry and tertiary industry as a continuously upgrading technique so as to improve the GDP value. As the innovation item the green energy without fossil fuel composition can push the electric provision largely as a new natural resource. It is also an innovation high-tech one brought up new systems to our society in many places like western generator with wind turbine and hydraulic usefulness.</i></p> <p><b>Keywords:</b> An Innovation Study, new horizons in mathematics prize, University of Toronto faculty force, 2024 Chinese top cities GDP analysis, sustainability.</p>
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## 1. Introduction

The high-technique product and skill will become more significant than ever because AI (artificial intelligence) technique replaces the automatic and man-work flow-lines in a maker largely according to News report. So that those high-tech skill will transform into the product making ability may occupy a more important task for our scientist and engineers to deal with. Therein, the many AI Robots have to enter the maker workshop to efficient work for men will be prevalent and low cost. At the same time, the AI Robot making makers will stand in the mount peak to proceed all kinds of experiment trials and expand those function software and hardware that may be instructed collaboratively by the university PhD who grasped some important message. Through contacting those cooperation experiment with parameters like temperature, time and deviation scope grasping conditions might be exhibited between them which may play an important effectiveness on how to produce the new product more precisely and having low-cost features. Another one will erect the product equipment like processing machine, automatic flow-equipment which may be depending on the out-source-enterprise with the demand condition. Then the scientists will give his opinions to the deviation endurance which makes the possible making capacity upwards and looks forwards to enduring more time without main error.

The tertiary industry would involve on service business like high-technique-service office for enterprises influence in one region whose making purchase order and complaint so as to request more orders from the maker in neighbor maker and sale centers. They will transfer message from the ultimate customer to factory for improving their some function continuously as a consultation company. On the other hand, the whole GDP increasement might influence the tertiary one reversely due to enough income could raise our consumption capacity, special in service business. However the which business we could proceed the GDP factors will be enhanced from their physical & brain labors. Thereby, whatever you pursued the certain dedication to our society progression at all.

At the end the tertiary one role is made strong more and more when seeing the GDP value, therefore more and more stores and offices will be allocated in city for the sake of acquiring more information about their products. Meantime, the special sale stores will be much than ever like Huawei handphome and i-pad even portable computer which is a high-light in a department lobby. Their aim at increasing sale amount is one aspect firstly, then sell EV etc. new concept electric auto is two one. As we knew the price difference between them might attain more than 50 times. So that the perspective will be watched special in the

tertiary industry which may create more profitable mediate-life consumption less than ten years. Maybe after decade the humanoid robots would enter our life like family, coffee store & canteen in light of present tendency and development, so we might share the automatic time in advance. [1~25]

## 2. Discussions

In this paper, the scientist who could be trained by university would have capability to finish the important task within defined experiment and theoretic explanation for his pursuit of research theme. So there would be some experiences and methods to process those difficult somewhat with independence and cooperation for both of occasions. Thereby, from their achievement papers published in high-impact journal and famous one the feasibility could be seen for us to make him to process the sophisticated item and projects. There might be so many chances to keep up with presently searching advanced theme that may have influence the high-technique making field in advance. So that the high-technology product will increase continually through the scientists judgment in terms of observing relevant material of GDP value in different regions within a certain period because the high-tech products amount affects the whole industrial chain for the sake of improving our total GDP amount. In near future, the robot in work-shop and family is about to increase largely due to enhancing the mature performance of new functional one expose with lower cost and high efficiency and high-quality continuously. [26~27]

### 2.1 New horizons in mathematics prize

1. Otis Chodosh, Stanford University. For contributions to differential geometry and the calculus of variations, including work on minimal surfaces and manifolds with positive scalar curvature.

2. Hong Wang, Institut des Hautes Etudes Scientifiques and New York University. For work in harmonic analysis, partial differential equations, and geometric measure theory, including the local smoothing conjecture, Furstenberg set conjecture, and Kakeya conjecture.

3. Vesselin Dimtrov, Caltech.

Yunqing Tang, University of California, Berkeley. For work Diophantine geometry, including the proof of the Atkin-Swinnerton-Dyer unbounded denominators and new irrationally results for special values of dirichlet- L-series (both joint with Frank Calegari) [1]

### 2.2 University of Toronto faculty force

#### 1. Globally renowned educational quality

As one of the most popular and top universities in Canada, the University of Toronto is renowned worldwide for its

outstanding educational quality. The university is committed to providing world-class education, emphasizing the cultivation of students' academic abilities, innovative thinking, and practical skills. Its rigorous curriculum and excellent faculty ensure that students receive high-quality, comprehensive and in-depth learning.

## 2. Outstanding teaching staff

The University of Toronto boasts a faculty composed of top scholars from around the world. These professors are authoritative experts in their respective fields, having achieved remarkable success in academic research and possessing rich practical experience. They not only inspire students to strive for excellence but also actively guide and support them in research projects, internship opportunities, and career development.

## 3. Diversified educational approaches

To offer a more flexible and personalized educational experience, the University of Toronto employs a variety of teaching methods. Besides traditional classroom instruction, the university also emphasizes practical education and interdisciplinary research. Students can apply their knowledge to real-world problems and develop problem-solving skills by participating in laboratory research, fieldwork, community service, and other activities.

## 4. Advanced educational facilities and resources

The University of Toronto offers advanced educational facilities and resources to support students' learning and research. The library is rich in books and electronic resources, providing students with a vast knowledge reserve; advanced laboratory equipment and scientific research provide a solid foundation for research projects. In addition, the University of Toronto actively collaborates with enterprises to offer students internship opportunities and career development support.

## 5. Abundant educational resources and opportunities

As one of the largest cities in Canada, Toronto, where the school is located, offers students abundant educational resources and opportunities. It is home to a diverse range of professionals and innovative enterprises. There are many internationally renowned companies, cultural and research centers in the vicinity of the campus. Students can interact with industry professionals through internships, community projects and other means, broadening their horizons and expanding their networks. [2]

### 2.3 2024 Chinese top cities GDP analysis

The Chinese top cities GDP analysis in 2024 might show

5,390~4,980 billion yuan by Shanghai~Beijing cities correspondingly in terms of Figure 1 exhibited their high economy level and capacity. The actual y-y value may indicate 5%~5.2% respectively shown their moderate developed steps then.

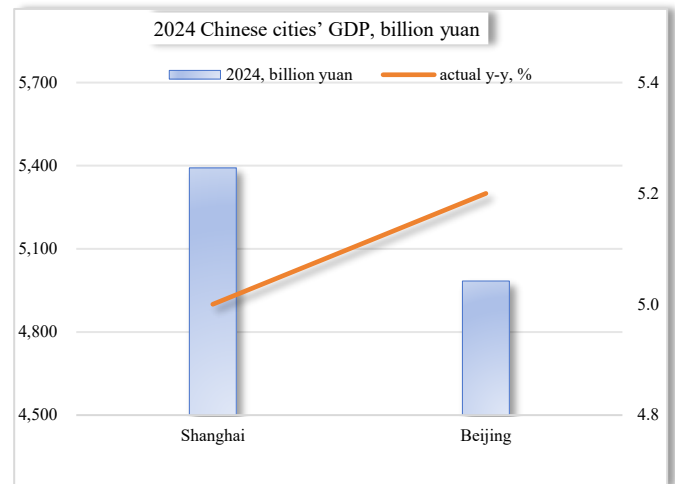


Figure 1 The Chinese top cities GDP analysis in 2024. [27]

On the other hand, the Chinese top cities GDP analysis in 2024 might show 3,220~3,680 billion yuan by Chongqing~Shenzhen cities correspondingly in terms of Figure 2 exhibited their high economy level and capacity. The actual y-y value may indicate around 5.7% shown their moderate developed steps then.

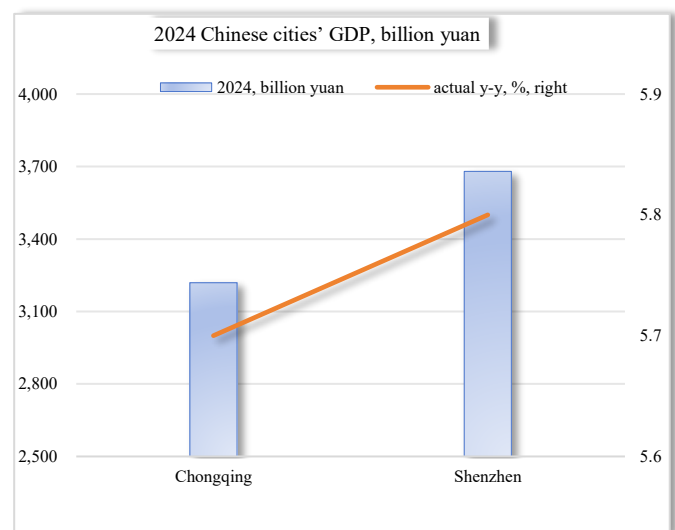


Figure 2 The Chinese top-cities GDP analysis in 2024 I. [27]

On the other side, the Chinese top cities GDP analysis in 2024 might show 3,220~3,680 billion yuan by Guangzhou~Chengdu cities correspondingly in terms of Figure 3 exhibited their higher economy level and capacity. The actual y-y value may indicate around 2.1% & 5.7% by them respectively shown their modest & moderate developed steps then.

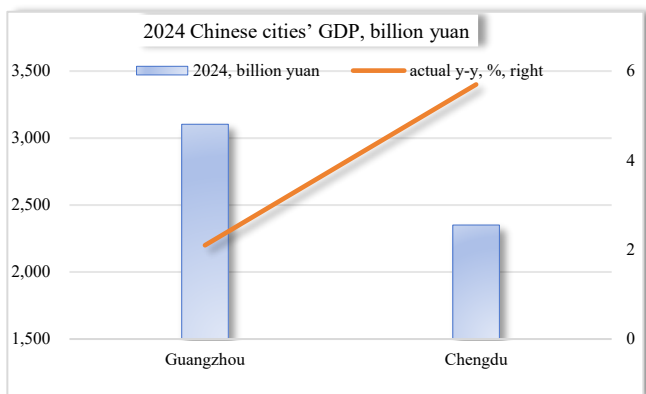


Figure 3 The Chinese top-cities GDP analysis in 2024 II. [27]

On the other hand, the Chinese top cities GDP analysis in 2024 might show 2,670~1,850 billion yuan by Suzhou~Nanjing cities correspondingly in terms of Figure 4 exhibited their high economy level and capacity. The actual y-y value may indicate around 6% & 4.5% respectively shown their moderate developed steps then.

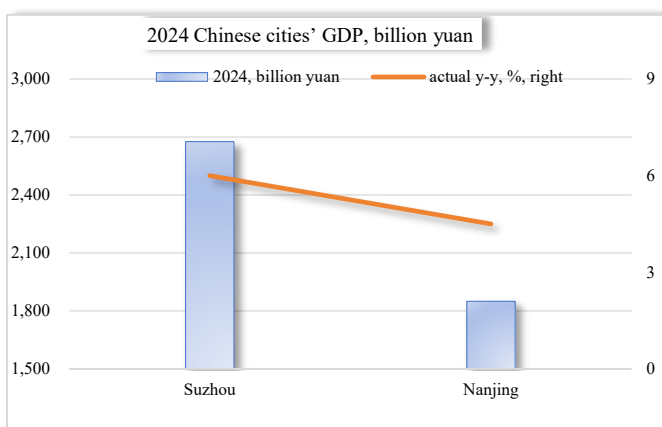


Figure 4 The Chinese top-cities GDP analysis in 2024 III. [27]

On the other hand, the Chinese top cities GDP analysis in 2024 might show 2,180~2,110 billion yuan by Hangzhou~Wuhan cities correspondingly in terms of Figure 5 exhibited their high economy level and capacity. The actual y-y value may indicate around 4.7% & 5.2% shown their moderate developed steps then.

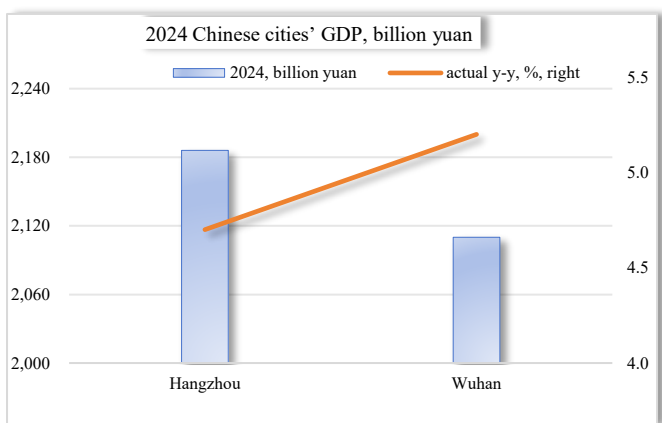


Figure 5 The Chinese top-cities GDP analysis in 2024 IV. [27]

### 3. Conclusions

The many population may make us to promote new high-tech skill & product even capacity with rapid development speed that help to improve our GDP amount. On the other side, due to developing emerging products the high-technique skill and capacity would become more important presently, so the research to it has to be urgent and critical now than ever because the increasing GDP (gross domestic product) task in front of our modernization & industrialization. Our university now searches for innovation experiment data for the sake of acquiring the practically substantial phenomena for one or two procedures and resolution method as for a defining experimental progress within three months or less than that. Thereby, the scientist and scholars may propose their experimental data and achievement in famous journals continuously and sustainably that might push the cutting-edge-field experience and practical process conditions. Then the high-technology skill will be transformed into the sample and launch products so as to deduce those emerging equipment and goods for public market with the convenience & precision like AI (artificial intelligence) humanoid robot producing and with constant update and fix the wrong operation etc. problems for us to solve. With regards to sustainable high-tech product making factors they should be low-cost and high-quality at final for entry to market as early as possible as a period trial and judgement. So that the whole industrial-chain would emerge in the up-stream and down-stream involved many factories request many opportunities for solving many employments problem that might raise the GDP enhancement directly. Another one will indicate the EV (electric vehicle), PHEV (plug-in hybrid electric vehicle) that might represent the presently making industry mainly as an important second industry one to mean the main tide for us to drive more and more special in several years later. Thereby, the solid chargeable-battery will indicate a promise one replaced traditional liquid battery that is to high-electric-capacity, high-efficiency and low chargeable-time for our experts to consideration like rocket engine used that one to implement its launch into the space for finishing surrounding earth-orbit-track. So that laboratory experiment so as to develop those new substances with high-efficiency and high mass-ratio to push the technique completing from simple to advancement course. Therefore, the government institution should enhance more the new emerging industrial programme with capital support largely for the sake of progressing the new one continual development and extension.

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### Ethic declarations

The authors declared that there were not conflicts of interest.

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