

2022/23	高級組得獎習作 Senior Section Winning Projects
恒生指數有限公司高級組冠軍 Hang Seng Indexes Company Limited First Prize for the Senior Section	滙江維多利亞學校 Victoria Shanghai Academy
	地利亞修女紀念學校(協和) Delia Memorial School (Hip Wo)
	拔萃女書院 Diocesan Girls' School
恒生指數有限公司高級組亞軍 Hang Seng Indexes Company Limited Second Prize for the Senior Section	拔萃女書院 Diocesan Girls' School
	聖保羅男女中學 St. Paul's Co-educational College
	聖保祿中學 St. Paul's Secondary School
高級組優異獎 (排名不分先後) Distinguished Prizes for the Senior Section (No Particular Order)	
香港統計學會四十五周年 高級組最佳專題習作獎 45 th Anniversary of Hong Kong Statistical Society Prize for the Best Thematic Project for the Senior Section	
	地利亞修女紀念學校(協和) Delia Memorial School (Hip Wo)
	地利亞修女紀念學校(協和) Delia Memorial School (Hip Wo)

2022/23	初級組得獎習作 Junior Section Winning Projects
恒生指數有限公司初級組冠軍 Hang Seng Indexes Company Limited First Prize for the Junior Section	喇沙書院 La Salle College
	聖保羅男女中學 St. Paul's Co-educational College
	聖公會鄺肇堅中學 Sheng Kung Hui Tang Shiu Kin Secondary School
恒生指數有限公司初級組亞軍 Hang Seng Indexes Company Limited Second Prize for the Junior Section	可立中學 Ho Lap College
	英皇書院 King's College
	聖公會鄺肇堅中學 Sheng Kung Hui Tang Shiu Kin Secondary School
初級組優異獎 (排名不分先後) Distinguished Prizes for the Junior Section (No Particular Order)	
香港統計學會四十五周年 初級組最佳專題習作獎 45 th Anniversary of Hong Kong Statistical Society Prize for the Best Thematic Project for the Junior Section	
	喇沙書院 La Salle College
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2023/24年度 中學生統計習作比賽

2023/24 Statistical Project Competition for Secondary School Students

查詢 Enquiries

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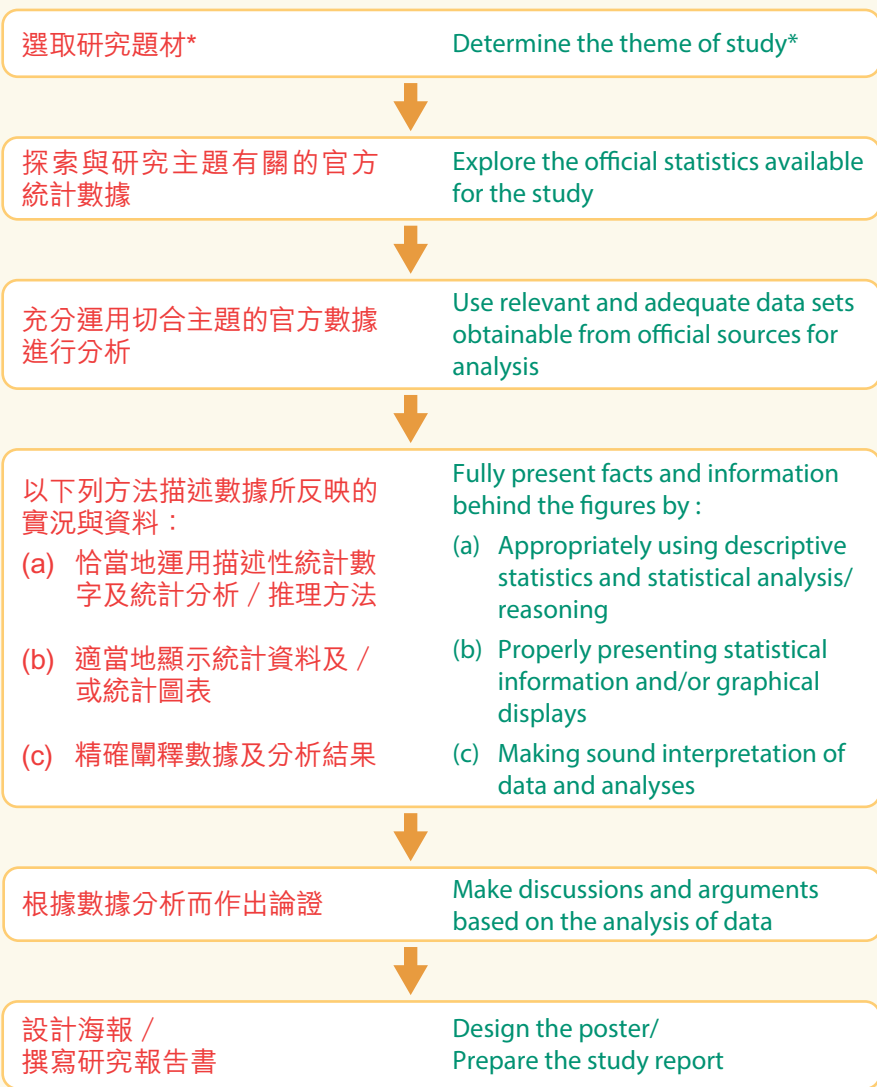
提升中學生對研究方法、統計數字和統計技巧的興趣；
 To promote the interest of secondary school students in
 research methods, statistics and statistical techniques;

鼓勵學生透過正確運用統計數據，以科學和客觀的方法認識本港社會；及
 To encourage students to understand the local community in a scientific and
 objective manner through the proper use of statistics; and

啟發學生的公民意識。
 To promote a sense of civic awareness.

撰寫統計習作的主要步驟

Major Steps of Preparing a Statistical Project



* 初級組及高級組參賽者均可自行設定研究主題，主題不設限制。詳情請參閱比賽規則。
Participants of the Junior Section and Senior Section can set the theme of study by themselves without restriction. For more details, please refer to the Rules and Regulations.

主要官方統計數據來源及參考資料

Major Sources of Official Statistical Data and Reference Materials

政府統計處
Census and Statistics Department
(<https://www.censtatd.gov.hk>)

香港金融管理局
Hong Kong Monetary Authority
(<https://www.hkma.gov.hk>)

政府經濟顧問辦公室
Office of the Government Economist
(<https://www.oge.gov.hk>)

財經事務及庫務局
Financial Services and the Treasury Bureau
(<https://www.fstb.gov.hk>)

2021年人口普查
2021 Population Census
(<https://www.census2021.gov.hk>)

政府統計處的刊物可於此網站免費下載：
Statistical publications of the Census & Statistics Department are available for downloading free of charge at :
https://www.censtatd.gov.hk/en/page_1273.html

統計指標的概念及其編製方法詳載於此網站：
The concepts of the statistical indicators and their compilation methods are available at :
https://www.censtatd.gov.hk/en/page_8000.html

2022/23 SPC 冠軍隊伍的分享

Sharing from Winning Teams of 2022/23 SPC

Junior Section Winning Team - La Salle College

Participating in the Statistical Project Competition for the first time was a challenging yet valuable experience. It had been an arduous journey, but our dedication to the project and ambition of raising awareness of local electric vehicles' benefits paid off. We achieved outstanding results in the competition, picked up new statistical knowledge, and mastered analysing and writing skills.

We studied important parameters, such as the trend of the number of EV chargers in Hong Kong and figures regarding the air pollutants emitted by diesel-fueled vehicles. The analysis process pushed us into thinking which types of regression patterns we should use and how we could interpret the trend. We learned new statistical concepts, including R-squared error and exponential regression, which were not covered in our school curriculum. We believe that with the guidance of teachers and further practice, we would be able to apply our statistical knowledge to solve many other problems in daily life.

Working on this research project over the past six months has undoubtedly been challenging. We juggled our homework responsibilities with project deadlines, but we supported each other and made compromises when needed to keep everything on track. This competition introduced us to the incredible statistical resources available through the Census and Statistics Department. Initially overwhelming, we gained experience designing visuals to showcase the meaningful patterns within the numbers. While managing such a large dataset for the first time presented hurdles, working through them together helped us advance our skills in an area we had little experience in.

We are grateful to our teacher for signing us up for this competition, which brought us a valuable learning experience. This project has undoubtedly taken our understanding of Statistics to a new level. We have gained hands-on experience that the textbook couldn't provide. We believe that by participating in this competition, we will be one step closer to preparing for the real world. Thus, we highly encourage students to take part in the Statistical Project Competition, and we thank everyone for making this amazing journey possible.

Senior Section Winning Team - Victoria Shanghai Academy

The Statistical Project Competition for Secondary School Students was a fruitful opportunity for us to demonstrate our statistical analysis skills and our knowledge on how these skills can be applied to the real world. In our project, we evaluated the best predictors of Hong Kong's housing market by exploring the strengths and weaknesses of various predictors. We used various graphical representation techniques to make our analysis rigorous, and applied our understanding of interest rates, stock market performance, and land supply to find correlations and assess the quality of these predictors.

We are extremely honoured to be the winning team for the Senior Section of this competition. It's not easy to rigorously develop prediction methods. Though higher, more complex statistical tools may help, we eschewed such tools and used a host of simpler data analysis tools. Our data presentation methods were simple yet provided a clear picture into the factors affecting price fluctuations in the housing market. We constructed our own graphs and interpreted trends on data provided by the Census and Statistics Department. From this, we offered some concluding insights into the best predictors of the housing market, taking into account time-lags.

This project was a valuable opportunity for us to understand economic situations in Hong Kong. We learned that by using simple statistical analysis, we can produce deep insights about the reasons behind economic phenomena and ways to predict them. We encourage students interested in Statistics and Data Science to delve into social and economic issues and find the underlying causes of them. The statistical knowledge that one learns in school can be used to produce far-reaching implications.