ction Winning Projects	香港神託會培基書院 Stewards Pooi Kei College	德望學校 Good Hope School	中華基督教會全完中學 CCC Chuen Yuen College	港大同學會書院 HKUGA College	香港神託會培基書院 Stewards Pooi Kei College	敗歷學校 Kellett School	德望學校 Good Hope School	港大同學會書院 HKUGA College	
高級組得獎習作 Senior Section Winning Projects	Retirement, Are You Ready ? Means To Plan Your Ideal Retirement Journey	Into the Ageing Population of Hong Kong	View Hong Kong from Cancer	General Situation of Divorce in Hong Kong and its relationship with the Hong Kong Economy	Retirement, Are You Ready ? Means To Plan Your Ideal Retirement Journey	Are we at risk of a financial crisis?	Divorce in Today's Society	General Situation of Divorce in Hong Kong and its relationship with the Hong Kong Economy	
2019/20	恒生指數有限公司高級組冠軍 Hang Seng Indexes Company Limited First Prize for the Senior Section	恒生指數有限公司高級組亞軍 Hang Seng Indexes Company Limited Second Prize for the Senior Section	恒生指數有限公司高級組季軍 Hang Seng Indexes Company Limited Third Prize for the Senior Section	恒生指數有限公司高級組最佳指數應用獎 Hang Seng Indexes Company Limited Prize for the Best Index Application for the Senior Section	香港城市大學管理科學系高級組最佳統計圖表獎 Department of Management Sciences, the City University of Hong Kong Prize for the Best Graphical Presentation of Statistics for the Senior Section	優異獎 Distinguished Prize	優異獎 Distinguished Prize	優異獎 Distinguished Prize	

2019/20	初級組得獎習作 Junior Section Winning Projects	ction Winning Projects
恒生指數有限公司初級組冠軍 Hang Seng Indexes Company Limited First Prize for the Senior Section	Housing A & A in Hong Kong (Investigation of Housing Affordability & Availability)	香港神託會培基書院 Stewards Pooi Kei College
恒生指數有限公司初級組亞軍 Hang Seng Indexes Company Limited Second Prize for the Senior Section	Revitalise Hong Kong - Fight Against Poverty 振興香港· 紓解貧困	聖士提反書院 St. Stephen's College
恒生指數有限公司初級組季軍 Hang Seng Indexes Company Limited Third Prize for the Senior Section	Dying is even easier than buying a house	聖傑靈女子中學 St. Catharine's School for Girls
恒生指數有限公司初級組最佳指數應用獎 Hang Seng Indexes Company Limited Prize for the Best Index Application for the Senior Section	Housing A & A in Hong Kong (Investigation of Housing Affordability & Availability)	香港神託會培基書院 Stewards Pooi Kei College
香港城市大學管理科學系初級組最佳統計圖表獎 Department of Management Sciences, the City University of Hong Kong Prize for the Best Graphical Presentation of Statistics for the Senior Section	Housing A & A in Hong Kong (Investigation of Housing Affordability & Availability)	香港神託會培基書院 Stewards Pooi Kei College
優異獎 Distinguished Prize	Application of Electric Cars in Hong Kong	保祿六世書院 Pope Paul VI College
優異獎 Distinguished Prize	大學生的錢途	香港真光書院 Hong Kong True Light College
優異獎 Distinguished Prize	窮人消不盡 通脹吹又生	天主教崇德英文書院 Shung Tak Catholic English College

# 2020/21年度 中學生統計習作比賽

2020/21 Statistical Project Competition for Secondary School Students

簡介講座 **Briefing Seminar** 24/10/2020

截止提名日期 Deadline for Nomination 27/11/2020

電話 Telephone: 2582 4256

截止遞交習作日期 Deadline for Submission 26/2/2021

# **# I** 

查 詢 Enquiries

網址 Website: http://www.hkss.org.hk/spc 電郵 Email: spc@hkss.org.hk



To promote the interest of secondary school students in research methods, statistics and statistical techniques;



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.











協辦 Co-organised by

敎育局 **Education Bureau** 



## 撰寫統計習作的主要步驟 Major Steps of Preparing a Statistical Project

選取研究題材\* Determine the theme of study\* 探索與研究主題有關的官方 Explore the official statistics available 統計數據 for the study Use relevant and adequate data sets 充分運用切合主題的官方數據 obtainable from official sources for 進行分析 analysis Fully present facts and information 以下列方法描述數據所反映的 behind the figures by: 實況與資料: (a) Appropriately using descriptive (a) 恰當地運用描述性統計數 statistics and statistical analysis/ 字及統計分析 / 推理方法 reasoning (b) Properly presenting statistical (b) 適當地顯示統計資料及 / information and/or graphical 或統計圖表 displays (c) 精確闡釋數據及分析結果 (c) Making sound interpretation of data and analyses Make discussions and arguments 根據數據分析而作出論證 based on the analysis of data 設計海報/ Design the poster/

\* 初級組參賽者必須從指定主題中選擇一個作研究主題。 高級組參賽者可自行設定研究主題,主題不設限制。

撰寫研究報告書

Participants of the Junior Section must select a theme of study from the specified themes.

Participants of the Senior Section can set the theme of study by themselves without restriction.

Prepare the study report

### 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 (http://www.censtatd.gov.hk)

#### 香港金融管理局

Hong Kong Monetary Authority (http://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
(http://www.fstb.gov.hk)

2016年中期人口統計 2016 Population By-census (https://www.bycensus2016.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:

 $http://www.censtatd.gov.hk/products\_and\_services/products/publications/index.jsp$ 

#### 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:

http://www.censtatd.gov.hk/hkstat/sub/bbs.jsp

## SPC 2019/20 冠軍隊伍的分享 Sharing from Winning Teams of SPC 2019/20

#### **Junior Winning Team – Stewards Pooi Kei College**

The participation in this competition is definitely one of the most memorable learning experiences in our school life. We feel grateful and honoured to win these prestigious awards and make a sharing here.

With the extensive use of statistical data, we have examined the housing affordability and availability in Hong Kong. It is revealed that the increase rate of the property price outweighs significantly that of the household income in the recent years. Since the housing completion rate is expected to remain low, the housing supply cliff in Hong Kong has now arrived. For the review and optimization of current housing policy, we have also made our recommendations in this research project. Besides, we have constructed eye-catching infographics to transform the statistical data and complicated subjects into visually interesting content.

Our analytical mindset and presentation skills are polished through preparing for the statistical research, final interview and oral defense. However, we have actually encountered many unforeseeable obstacles throughout the process. In particular, we have made extraordinary efforts to overcome the challenges of social distancing during the school suspension period due to the pandemic outbreak. Our team members have collaborated closely by using instant messaging technology and web conference meeting. Therefore, this competition has become a unique and invaluable learning experience for us.

To conclude, we would like to express our thankfulness to the organizer for providing students with this learning opportunity. We highly recommend this competition to students who would like to understand more about our local community in a scientific and objective manner through the proper use of statistics. This learning journey will not only broaden our horizons but also benefit all participants in the above-mentioned aspects.

#### **Senior Winning Team – Stewards Pooi Kei College**

During our project, despite facing enormous obstacles like difficulties in accessing relevant data and the adequate presentation of it through using various charts and styles, we have put our best foot forward. Countless research had already taken place months before we started to draft our project. Nevertheless, we have been greatly benefited from the project in terms of soft skills like the communication strategies, capability to persevere and collaborate for a better result by working as not on oneself, but as a whole team.

In conclusion, we appreciate the judges' recognition and acknowledgement of our efforts. It is a memorable and worthwhile experience that has significantly widened our knowledge not only in terms of the presentation of data but raising awareness of the issues happening around us in our society. Last but not least, we have named several dilemmas and solutions that the retirement protection system of Hong Kong is currently facing, and as our city is stepping into age with a population which is quickly aging, we hope that remedial actions would be taken so that allow our elderlies whose contributions to our society is widely commended, to have a tranquil, serene and comfortable retirement life.