

2019 Statistics and Data Science Enrichment Camp

Date: 7 June 2019

Time: 9.45am – 3.30pm

**Venue: NUS
Faculty of Science
Lecture Theatre 31**

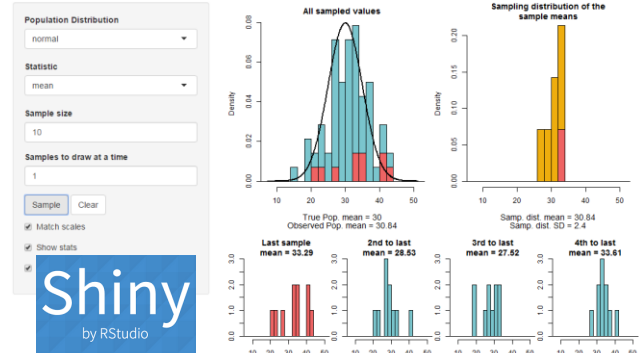
This camp is specially tailored for all Secondary School and Junior College students.

Programme

Time	Activity
9.45am	Registration
10.15am	Brief Introduction to Statistics Major and Data Science Major <i>Associate Professor Lim Tiong Wee</i>
10.30am	Probabilistic Decision Making Through a Climate Game <i>Associate Professor Yap Von Bing</i>
11.15am	Tea Break
11.45am	What the Numbers Say <i>Associate Professor Chua Tin Chiu</i>
12.30pm	Lunch
1.30pm	Hands-on Data Collection and Analysis with Arduino <i>Dr Vik Gopal</i>
3.30pm	End of Program



Sampling Distributions



Data analysis involves several phases: Data collection, visualization, exploration and validation. At every stage of the process. In this activity, every student gets the opportunity to set up an Arduino microprocessor to collect biometric data and then use it to make basic statistical analyses, such as comparisons between groups of students in the camp. The goal of this session is to introduce some of the tools that a data scientist uses, along with some exposure to their modes of thinking. In particular, we will learn that a good data scientist has to maintain a healthy amount of skepticism about the data throughout the process of analyzing the data!

Directions

1. Alight at Kent Ridge MRT Station.
2. Transfer to SBS Bus Service 95 or internal shuttle buses A1, A1E or D2.
3. Alight at the bus stop in front of the Lim Seng Tjoe Lecture Theatre 27 in NUS.
4. Follow the map and walk to Lecture Theatre 31. It is located on the 3rd floor of Block S16.

For an interactive map of NUS, you may visit <http://www.nus.edu.sg/campusmap/>.



Registration Form

1. The registration fee per person (student or teacher) is S\$30 (GST inclusive). This fee will cover morning tea, lunch and the lecture note handouts.
2. Payment can be done through IFFAS or by cheque.

IFFAS:

Please credit the payment to:
National University of Singapore
DBS Account No: 7171-032-0320003133

Kindly quote the event name when processing the payment.

If you need an official letter to process the payment, please send your request to Melissa at melissa.thong@nus.edu.sg (Tel: 6516 8050).

Cheque:

Please write a cheque payable to **National University of Singapore**.

Official receipts will be issued on the day of the event.

3. Cancellations are **non refundable** but participants can be substituted.
4. **As we have limited vacancies for this year's camp, registration will be on first come first serve basis.** Please send the completed registration form together with your payment by **Monday, 27 May 2019**, to:

*Ms Melissa Thong
Department of Statistics & Applied Probability
Block S16, Level 7, 6 Science Drive 2
Faculty of Science
National University of Singapore
Singapore 117546*

Individual Registration

Name: _____

Institution: _____

Email: _____

Phone: _____

Bank/Cheque number: _____

Dietary Preference: Vegetarian / Non-vegetarian* (Caterer is halal certified.)

Block Registration

Institution: _____

No. of students: _____

Name of teacher-in-charge: _____

Email: _____

Phone: _____

Bank/Cheque number: _____

For Block Registration, please complete and return this page together with the payment. If the headcount exceeds 20, please enter the particulars on a new page.

	Name of student (To be imprinted on certificate)	Dietary Preference (Vegetarian / Non Vegetarian)*
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* Caterer is halal certified.