

**TECHNOLOGY & ENGINEERING SERIES**

# Reproducible Data Science



Data science is more than just algorithms. In order for your data analyses and reports to be credible and more readily accepted, a minimum standard is that your data analyses and reports to be reproducible; that the code and data is put together in a way that another team member or other groups that re-create all the results coming out of your analyses and reports. Data science reproducibility is now widely recognized to be a critical requirement but not as widely practiced.

In this programme, we will explore the general principles for reproducible data science as well as hands-on on the relevant tools and techniques for achieving reproducibility for your data projects.

## DATE

24 November 2017 (full)

8 December 2017 (full)

19 January 2018 (full)

1 March 2018 (full)

23 April 2018

## DURATION

1 Day; 9.00am to 5.30pm

## VENUE

National University of Singapore

**Registration will close 5 working  
days prior to programme  
commencement date**

**REGISTER NOW!**

## PROGRAMME OUTLINE

- ◆ Reproducible Data Science 101
- ◆ Project and Data Organisation
- ◆ Scripting and Automating for Reproducibility
- ◆ Reproducible Reports and Enabling Collaboration

## WHO SHOULD ATTEND

Data Engineers, Data Scientists, Data Analysts

## PRE-REQUISITES

Familiarity with the command-line/shell, batch files/bash, Python and version control tool such as Git are recommended.



**TECHNOLOGY & ENGINEERING SERIES**

# Reproducible Data Science



## FEES & FUNDING

	International Participants	Singapore Citizens <sup>1</sup>			Singapore PRs	Enhanced Training Support for SMEs <sup>4</sup>
		21 to 39 years old	40 years or older <sup>2</sup>	Eligible for WTS <sup>3</sup>	≥ 21 years old	
Full Programme Fee	S\$850.00	S\$850.00	S\$850.00	S\$850.00	S\$850.00	S\$850.00
Less: SSG Grant Amount	-	(S\$595.00)	(S\$595.00)	(S\$595.00)	(S\$5295.00)	(S\$595.00)
Nett Programme Fee	S850.00	S\$255.00	S\$255.00	S\$255.00	S\$255.00	S\$255.00
7% GST on Nett Programme Fee	S\$59.50	S\$17.85	S\$17.85	S\$17.85	S\$17.85	S\$17.85
<b>Total Nett Programme Fee Payable, Including GST</b>	<b>S\$909.50</b>	<b>S\$272.85</b>	<b>S\$272.85</b>	<b>S\$272.85</b>	<b>S\$272.85</b>	<b>S\$272.85</b>
Less Additional Funding if Eligible Under Various Schemes	-	-	(S\$170.00)	(S\$212.50)	-	(S\$170.00)
<b>Total Nett Programme Fee Payable, Including GST, after additional funding from the various funding schemes</b>	<b>S\$909.50</b>	<b>S\$272.85</b>	<b>S\$102.85</b>	<b>S\$60.35</b>	<b>S\$272.85</b>	<b>S\$102.85</b>

<sup>1</sup> All self-sponsored Singaporeans aged 25 and above can use their \$500 SkillsFuture Credit to pay for the programme. Visit the SkillsFuture Credit website ([www.skillsfuture.sg/credit](http://www.skillsfuture.sg/credit)) to select the programme.

<sup>2</sup> Mid-Career Enhanced Subsidy - Singaporeans aged 40 and above may enjoy subsidies up to 90% of the programme fee.

<sup>3</sup> Workfare Training Support (WTS) - Singaporeans aged 35 and above (13 years and above for persons With disabilities) and earn not more than S\$2,000 per month, may enjoy subsidies up to 95% of the programme fee.

<sup>4</sup> Enhanced Training Support for SMEs (ETSS) - SME-sponsored employees (Singaporean Citizens and PRs) may enjoy subsidies up to 90% of the programme fee. For more information, visit [www.ssg.gov.sg/programmes-and-initiatives/training/enhanced-training-support-for-smes.html](http://www.ssg.gov.sg/programmes-and-initiatives/training/enhanced-training-support-for-smes.html).

<sup>5</sup> Eligible organisations (excluding government entities) may apply for the absentee payroll funding via SkillsConnect at [www.skillsconnect.gov.sg](http://www.skillsconnect.gov.sg) for Singaporean/permanent resident participants attending the programme during working hours. The absentee payroll funding is computed at 80% of hourly basic salary capped at \$4.50 per hour or \$7.50 per hour for SME or 95% of hourly basic salary for WTS. For more information, visit <https://www.skillsconnect.gov.sg/sop/portal/e-Services/For%20Employers/AbsenteePayroll.jsp>

