

TECHNOLOGY & ENGINEERING SERIES

Data Analytics & Visualization for Managers



This programme provides an exploratory tour of big data, data analytics, data science, machine learning and artificial intelligence. It introduces the various tools and techniques used by data science teams today. A roadmap of how to build an internal data science competency in an organisation will be discussed. The programme provides exposure to building static and interactive graphics using Tableau and Python including a demonstration on the building of actual analytics models in Python.

DATE

09 - 11 April 2018

DURATION

3 Days; 9.00am to 5.30pm daily

VENUE

National University of Singapore

REGISTER NOW!

Registration will close 5 working days prior to programme commencement date

PROGRAMME OUTLINE

Day 1

- ◆ Overview of Big Data, Data Analytics / Science, Machine Learning, and Artificial Intelligence
- ◆ The Data Analytics Process – real world case study
- ◆ Data Analytics Methods, Challenges and Applications

Day 2

- ◆ Data Analytics Infrastructure and Tools
- ◆ Project Management Best Practices for Data Analytics
- ◆ Introduction to Artificial Intelligence and Deep Learning

Day 3

- ◆ Introduction to Python and Jupyter Notebooks
- ◆ A Data Journey with Excel
- ◆ A Data Visualization Journey with Tableau
- ◆ A Data Science Journey with Python
- ◆ Case Study

WHO SHOULD ATTEND

Project Managers, IT Managers, CXO

PRE-REQUISITES

The participant should have an IT/software project development, architecture or management experience. Some programming experience and statistics at a pre-university level is required to participate in this programme. An understanding of common IT software, databases, programming tools and environments is preferred.



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FEES & FUNDING

| | International Participants | Singapore Citizens ¹ | | | Singapore PRs | Enhanced Training Support for SMEs ⁴ |
|-------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|--------------------------------|-------------------------------|------------------|-------------------------------------------------|
| | | 21 to 39 years old | 40 years or older ² | Eligible for WTS ³ | ≥ 21 years old | |
| Full Programme Fee | S\$2,100.00 | S\$2,100.00 | S\$2,100.00 | S\$2,100.00 | S\$2,100.00 | S\$2,100.00 |
| Less: SSG Grant Amount | - | (S\$1,470.00) | (S\$1,470.00) | (S\$1,470.00) | (S\$1,470.00) | (S\$1,470.00) |
| Nett Programme Fee | S\$2,100.00 | S\$630.00 | S\$630.00 | S\$630.00 | S\$630.00 | S\$630.00 |
| 7% GST on Nett Programme Fee | S\$147.00 | S\$44.10 | S\$44.10 | S\$44.10 | S\$44.10 | S\$44.10 |
| Total Nett Programme Fee Payable, Including GST | S\$2,247.00 | S\$674.10 | S\$674.10 | S\$674.10 | S\$674.10 | S\$674.10 |
| Less Additional Funding if Eligible Under Various Schemes | - | - | (S\$420.00) | (S\$525.00) | - | (S\$420.00) |
| Total Nett Programme Fee Payable, Including GST, after additional funding from the various funding schemes | S\$2,247.00 | S\$674.10 | S\$254.10 | S\$149.10 | S\$674.10 | S\$254.10 |

¹ 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) to select the programme.

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

³ 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.

⁴ 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.

⁵ Eligible organisations (excluding government entities) may apply for the absentee payroll funding via SkillsConnect at 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>

