This programme provides extends Data Analytics Begins with Me and dive into the use of powerful open source analytics tools such as R and Python, required and best practices in the setup of a data analytics infrastructure, hiring and building a data science team, including the setup of a Centre of Excellence for Analytics. The course concludes with an extensive hands-on on 12 most often used algorithms by a data scientist.

**DATE**

15 January 2018

**DURATION**

1 Day; 9.00am to 5.30pm

**VENUE**

National University of Singapore

**PROGRAMME OUTLINE**

- Open source and Analytics
- Discussion on R and Python – the standard tools for open source analytics today
- Visualization and storytelling
- Data Analytics Infrastructure and Tools
- Data models deployment best practices
- The case for analytics in the cloud (public or on premise)
- Reproducible data science
- The data science team
- Data analytics project management and setup
- Discussion on setting up a Centre of Excellence for Analytics
- Privacy, Ethics and Biases in data science
- Hands-on: The Analytics Dozen

**WHO SHOULD ATTEND**

Project Managers, IT Managers

**PRE-REQUISITES**

The participant must have attended the 1-day NUS SCALE Data Analytics Begins with Me.

In addition, the participant should have an IT/software project development, architecture or management experience. An understanding of common IT software, databases, programming tools and environments is preferred.
## FEES & FUNDING

<table>
<thead>
<tr>
<th></th>
<th>International Participants</th>
<th>Singapore Citizens¹</th>
<th>Singapore PRs</th>
<th>Enhanced Training Support for SMEs⁴</th>
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<tbody>
<tr>
<td></td>
<td>21 to 39 years old</td>
<td>40 years or older²</td>
<td>Eligible for WTS³</td>
<td>≥ 21 years old</td>
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<tr>
<td>Full Programme Fee</td>
<td>S$750.00</td>
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<td>Less: SSG Grant Amount</td>
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<td>(S$525.00)</td>
<td>(S$525.00)</td>
<td>(S$525.00)</td>
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<td>Nett Programme Fee</td>
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<td>S$225.00</td>
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<td>7% GST on Nett Programme Fee</td>
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<td>S$15.75</td>
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<td>Total Nett Programme Fee Payable, Including GST</td>
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<td>S$240.75</td>
<td>S$240.75</td>
<td>S$240.75</td>
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<tr>
<td>Less Additional Funding if Eligible Under Various Schemes</td>
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<td>-</td>
<td>(S$150.00)</td>
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<td>Total Nett Programme Fee Payable, Including GST, after additional funding from the various funding schemes</td>
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<td>S$240.75</td>
<td>S$90.75</td>
<td>S$240.75</td>
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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](http://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](http://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](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](https://www.skillsconnect.gov.sg/sop/portal/e-Services/For%20Employers/AbsenteePayroll.jsp).