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**
Friday, 18 August 2017

**DURATION**
1 Day; 9.00am to 5.30pm daily

**VENUE**
National University of Singapore

**FEE**
S$750 (before GST)

**COURSE 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.