

Data Skills Programme (DSP)

The Data Skills Programme (DSP) trains professionals in the practical skills and capabilities required to make data-driven decisions.

Participants will be taught data analytical skills and techniques facilitated by a range of software at the fundamental or advanced level.



FUTURE-MOVES GROUP

Founded in 2012, Future-Moves Group (FMG) is a management consultancy headquartered in Singapore. It is Southeast Asia's first strategic management consultancy to develop its own foresight tools and methodologies to complement conventional analysis.

OUR APPROACH

Customised



The DSP is customised for both the public and private sectors. Participants can choose between the two options depending on their requirements.

Assured Learning



Practicums in the form of group work and individual assessments will be conducted to allow the progress of participants to be monitored and tracked for more effective learning.

Practical



The DSP integrates hands-on exercises, activities, and case studies to ensure that participants are able to apply key concepts and skills to their everyday work.

Quality



Our trainers are highly qualified in data analysis and are also practitioners with relevant industry experience.

OUR TRACK RECORD

- Tiered training programme for the Pioneer Generation Office (PGO)
- Customised corporate runs for Ministry of Communications and Information (MCI) and the Infocomm Media Development Authority (IMDA)
- Public courses for various governmental agencies

COURSE FEEDBACK

“Understanding how (data collection) is done is definitely beneficial to me... I can scrutinise (my data) more... and ask more informed questions now... These are essential for someone in my field to know, as a communicator ...”

— Manager, MCI

“Good course, and trainers are excellent...”

— Senior Officer, IMDA



OPTION FOR FILTERING EXERCISE







We are able to conduct a filtering exercise before registration to identify the appropriate course level for participants.

OPTION FOR CORPORATE RUNS

- We provide your organisation with the option of further customising the programme to meet the needs and requirements specific to your organisation.
- Our team will partner with your organisation to tailor the course content and/or develop new content to suit your learning objectives and desired skill level. This includes incorporating case studies and exercises that are contextualised for your industry and organisation.
- Courses can be scheduled to meet your organisation’s availability.

COURSE OVERVIEW

	FUNDAMENTAL	ADVANCED*		
		Track 1: Machine Learning	Track 2: Predictive Analytics	Track 3: Analytics with Programming
Topics  <ul style="list-style-type: none"> • Overview of data analysis and data principles • Sampling • Introduction to qualitative data analysis • Descriptive analysis • Basic predictive analysis • Visual Basic for Applications (VBA) in Excel • Data visualisation 	<ul style="list-style-type: none"> • Machine learning and its applications • Regression analysis • Classification techniques • Clustering techniques • Dimensionality reduction • Text analytics • Capstone project 	<ul style="list-style-type: none"> • Introduction to predictive analytics (PA) • Applications and user cases • Regression-based PA • Time series-based PA • Classification & clustering based PA • Association rule-based PA • Capstone project 	<ul style="list-style-type: none"> • Analytical process of data analytics • Introduction to programming • Programming concepts and syntax • Programming using R • Programming for data analytics & visualisation • Programming for application development • Capstone project 	
Learning Outcomes  <ul style="list-style-type: none"> • Understand fundamental data principles • Apply and interpret fundamental analytical & visualisation methods 	<ul style="list-style-type: none"> • Apply different machine learning techniques for modeling, classification and text analytics • Become familiarised with programming software for machine learning projects 	<ul style="list-style-type: none"> • Develop different predictive models for forecasting purposes • Become familiarised with programming software to perform predictive analytics 	<ul style="list-style-type: none"> • Construct codes for data analysis, visualisation and applications development • Become familiarised with programming 	
Duration	3 Days	3 Days	3 Days	3 Days
Software  <ul style="list-style-type: none"> • Excel for data analysis • Qlik Sense for data visualisation (for public sector) • Power BI for data visualisation (for private sector) 	<ul style="list-style-type: none"> • R <p>The default programming software is R, however the option of using Python can be exercised during corporate training runs, upon clients' request.</p>			
Targeted Audience  <p>Participants with limited data background who are interested in exploring the fundamentals of data skills and techniques:</p> <ul style="list-style-type: none"> • Data Analysts • Managers 	<p>Participants with the equivalent knowledge and skills background as our Fundamental level or those who have completed the Fundamental course and who would like to learn more advanced data skills:</p> <ul style="list-style-type: none"> • Data Analysts • Technical Staff who work with programming and data analysis 			
Fees**	S\$1,250 per participant	S\$1,400 per participant per track		

* The advanced tracks can be taken independently of each other or in any combination.

**a. Payable in full at least 14 calendar days before the training.

**b. There will be a 50% cancellation fee for any cancellation with a notice period of less than 10 calendar days, 75% if less than 7 calendar days and 100% if less than 3 calendar days.

**c. The course fee includes training delivery, materials, venue, morning & afternoon refreshments, and the use of FMG laptops pre-loaded with the desired software and datasets.

FUTURE-MOVES ACADEMY

Trainings will be conducted at our Future-Moves Academy (FMA), which is equipped with professional facilities and state-of-the-art technology for our training, workshop, seminar, research, and thought leadership events.

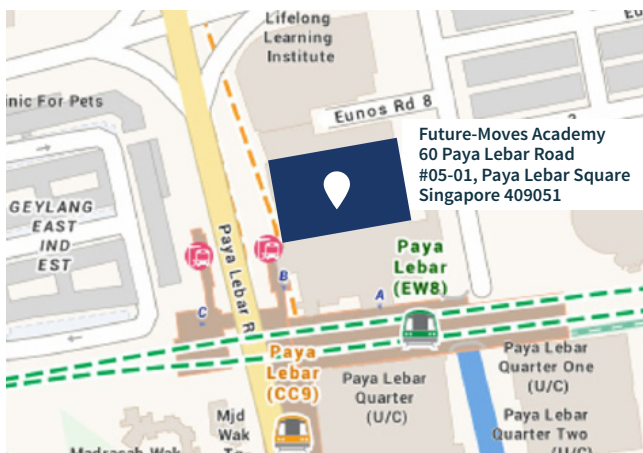
Training Provider: We help organisations build capabilities to remain competitive.

Thought Convener: We tap into our expertise, experience, and passion to challenge the status quo and answer the important questions on issues that matter.



Think Tank: We generate strategic insights and provide advice on issues affecting the public and private sectors, both globally and regionally.

Our Location



Our Academy



We are conveniently linked to Paya Lebar MRT Station which is serviced by the Circle and East West lines. Nearby carparks are located at Paya Lebar Square, Lifelong Learning Institute, and SingPost Centre.



Please contact us at dsp@future-moves.com for more information.



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