



Course Code: TGS-2020503487

# WSQ - Predictive Analytics with PyTorch: Transform Your Data to Prediction

**Funding Available:** WSQ SkillsFuture Credit PSEA UTAP SFEC Absentee Payroll MCES

## COURSE INFORMATION

<b>Sessions</b> 2 days	<b>Duration</b> 16 hrs	<b>Level</b> Beginner to Intermediate	<b>Assessment</b> 2 hrs
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**VENUE**  
12 Woodlands Square #07-85/86/87 Woods Square Tower 1, Singapore 737715. 5 mins walk from Woodlands (NS9) MRT station.  
The venue is disabled-friendly.

## WHAT'S THIS COURSE ABOUT

## Topic 1 Overview of Deep Learning and Pytorch

Overview of Deep Learning

Introduction to Pytorch

Install and Run Pytorch

Basic Pytorch Tensor Operations

Computation Graphs

Compute Gradients with Autograd

## Topic 2 Neural Network for Regression

Introduction to Neural Network (NN)

Activation Function

Loss Function and Optimizer

Machine Learning Methodology

Build a NN Predictive Regression Model

Load and Save Model

## Topic 3 Neural Network for Classification

Softmax

Cross Entropy Loss Function

Build a NN...

## WSQ FUNDING

Full Fee S\$750.00 Before GST

GST S\$67.50 9% of fee

Baseline Nett S\$442.50 SG/PR age 21+ · 50% funded · incl. GST

MCES / SME Nett S\$292.50 SG age 40+ · 70% funded · incl. GST

## CERTIFICATION

- **Certificate of Completion from Tertiary Infotech** - Upon meeting at least 75% attendance and passing the assessment(s), participants will receive a Certificate of Completion from Tertiary Infotech.
- **OpenCerts from SkillsFuture Singapore** - After passing the assessment(s) and achieving at least 75% attendance, participants will receive an OpenCert (aka Statement of Achievement) from SkillsFuture Singapore, certifying that they have achieved the Competency Standard(s) in the above Skills Framework.

## REGISTRATION

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<https://www.tertiarycourses.com.sg/wsg-predictive-analytics-with-pytorch-transform-your-data-to-prediction.html>



SCAN TO REGISTER

## SUPPORT

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