

Study 

ML Study Jam

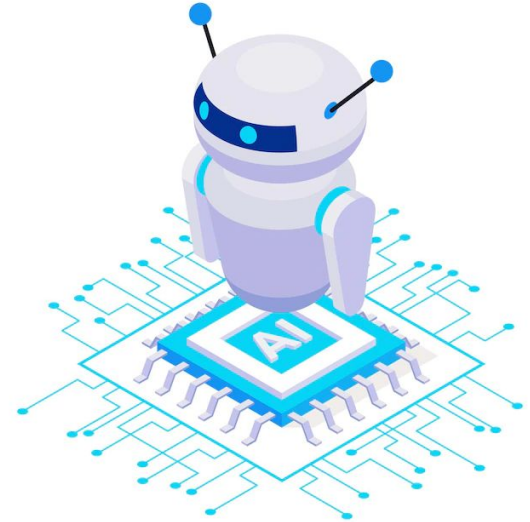
Participant Guide

Website: www.malaysiamlstudyjam.com

ML Industry Trends

The machine learning field is continuously evolving and is one of the **fastest-growing** fields in technology.

There is a **rapid emergence** of a whole new generation of data and ML



Top Data Science Jobs

Data
scientist

Data
Architect

Data
Engineer

Data
Science
Manager

Machine
Learning
Engineer

Statistician

65%

Potential
Company
adoption

Huge **career**
opportunities

98K

Jobs posted
on ML

92%

Accuracy
on ML
models

Efficient solutions
for automations

**\$117.2
billion**

Global
Market Size

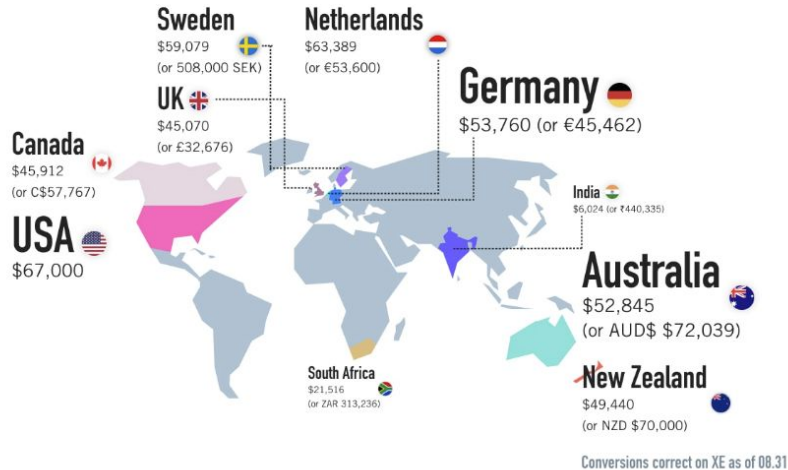
Study



The background is a light gray with faint, stylized illustrations. On the left, a person is shown from the waist up, holding a magnifying glass to their eye. To the right, there is a bar chart with four vertical bars of increasing height, and a line graph with three data points connected by lines. The text is centered in a bold, blue, sans-serif font.

**Demand for data
engineering
exceeds data
scientists?**

Data Analyst Salaries Around the World



Data analyst salaries based on experience

	Entry-level (<1 years experience)	Early career (1-4 years experience)	Mid-career (5-9 years experience)	Experienced (10-20 years experience)	Late career (20+ years experience)
The U.S.	\$56,000	\$61,000	\$69,000	\$72,000	\$74,000
Germany	€41,000	€46,000	€56,000	€58,000	
Australia	AUD\$61,000	AUD\$71,000	AUD\$87,000	AUD\$96,000	AUD\$96,000
New Zealand	NZ\$56,000	NZ\$62,000	NZ\$71,000	NZ\$75,000	
United Kingdom	£25,000	£27,000	£32,000	£34,000	£37,000
India	₹342,000	₹426,000	₹696,000	₹935,000	₹2,000,000

High salary growth in DS and ML

650%

Since 2012, the Data Science sector has witnessed a massive hike of 650%, far outpacing other sectors.

37%

transitioning from a marketing analytics job to a data science job leads to a 37% salary growth on average.

31%

the expected salary growth when people switch from digital analytics to data science is 31% on average.

44%

Someone transitioning from a data engineering role to a data science role, the salary hike could be as high as 44%.

What is a ML Study Jam?

A Community Event

ML Study Jam is a learning opportunity which takes 4 weeks of time leveraging Kaggle Courses. It includes hands-on assignments, tutoring, tech talks and group discussions. This is a great opportunity to bring members of your community together to learn something online.

Kaggle is the world's largest data science and machine learning community. It offers a no-setup, customizable, Jupyter Notebooks environment, access to free GPUs and a huge repository of community published data & code.

Anyone can start the program anytime. No registration is required.

What is a ML Study Jam?



Explore ML & Kaggle Course

4 weeks
Self paced learning

Hybrid online &
physical events

Online support
discussion channel

Certify yourself

Why ML Study Jams?



Upskill your
knowledge



Participate in online [Discord](#)
discussion panel



Put theory into practice
through assignments



Get digital badges after
completing the course



Get connected and
advance in ML Career

How does ML Study Jams work?

This is a study program going through Kaggle courses sequentially.

The goal of these assignments is to rapidly cover the most essential skills.
Such as how to use TensorFlow or Pandas and how to build your first machine learning model.

Roll up your sleeves, get your hands dirty with data, with ML Study Jam =)



Course Format

Online Kaggle
Lecture/Exercise
Material

Online [Discord](#)
discussion
support channel

Course
Certificate of
Completion

Kaggle Learn

≡ kaggle

+ Create

🏠 Home

🏆 Competitions

📊 Datasets

< > Code

💬 Discussions

🎓 Courses

✓ More

🔍 Search

Explore Courses



Intro to Programming

Get started with Python, if you have no coding experience.



Python

Learn the most important language for data science.



Intro to Machine Learning

Learn the core ideas in machine learning, and build your first models.



Pandas

Solve short hands-on challenges to perfect your data manipulation skills.



Intermediate Machine Learning

Handle missing values, non-numeric values, data leakage, and more.



Data Visualization

Make great data visualizations. A great way to see the power of coding!



Feature Engineering

Better features make better models. Discover how to get the most out of your data.



Intro to SQL

Learn SQL for working with databases, using Google BigQuery.

Self paced learning via [Kaggle](#)
[Learn Online Course](#)

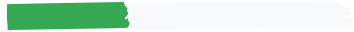


Overview - Talks/Labs

- Weekly hybrid online & physical talk/lab session
- Each session includes:
 - Overview technical lab session
 - Industry practitioner talks

Take a deep dive into ML

Week 1



- [Intro to Machine Learning](#)
- [Pandas](#)

Week 2



- [Intermediate Machine Learning](#)
- [Feature Engineering](#)

Week 3



- [Intro to Deep Learning](#)
- [Computer Vision](#)

Week 4



- [Time Series](#)
- [Intro to AI Ethics](#)

Study



After the coursework

Take a digital badge

Everyone who finishes a Kaggle course will receive a completion certificate.

You can find your certificates by navigating to the Courses page: <https://www.kaggle.com/learn>

- Click on the [Your Completed] tab.
- Use the [View Certificate] button to get your certificate!
- If you'd like to share the certificate with your social network, you can begin by downloading the image with the [Download certificate] button that appears at the bottom of your certificate.



Engagements through the journey



1. Attend weekly hybrid lab/talk session



2. Participate online [Discord](#) discussion channel

When I complete the course, what should I do?



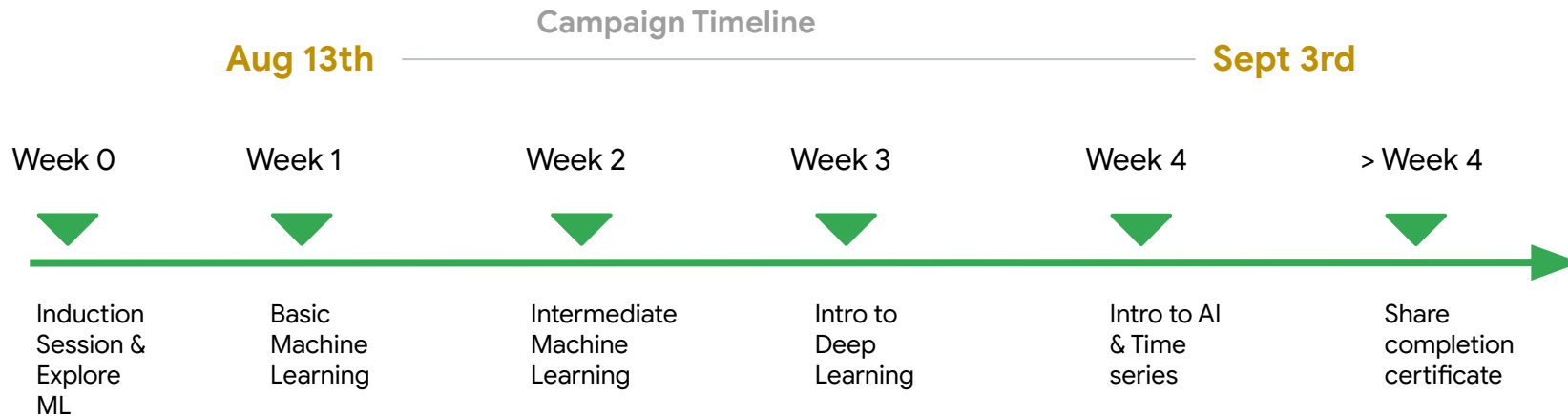
1. Take a digital badge



2. Report your event



Timelines



After the coursework

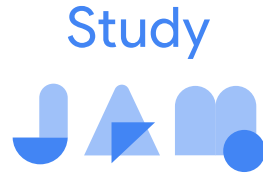
Take the next step!

What's next?

Continue the journey to ML mastery! We suggest you that try to follow the steps after you finish the coursework.

- **Practice!** You may start off with these challenges at Kaggle.
 - [Titanic challenge](#) / [House Prices competition](#) / [Digit Recognizer competition](#)
- **Get certified!** Study hard and get one of the Google ML engineering certificates.
 - [TensorFlow certificate](#) / [GCP Professional ML Engineer certification](#)
- **Be an expert!** Step up and be an ML [GDE](#) (Machine Learning Google Developers Experts)!





That's a wrap.

Question?

Let us know! malaysiamlstudyjam@gmail.com