

Project Machine Learning Website

11762 MUHAMMAD KASHIF

IICT 105915

Work

COURSES

External Machine Learning Courses

Machine Learning

Coursera

Andrew Ng

Machine Learning
Artificial Neural Network
Logistic Regression

This course provides a broad introduction to machine learning, datamining, and statistical pattern recognition.

Visit

Microsoft

Academic

Rafael Irizarry

Machine Learning
Cross-Validation
Recommendation System
Regularization

In this course, part of our Professional Certificate Program in Data Science, you will learn popular machine learning algorithms, principal component analysis, and regularization by building a movie recommendation system.

Visit

Google

Machine Learning Crash Course

Peter Norvig

Mastering Machine Learning
Data Collection
Python Libraries

Learn and apply fundamental machine learning concepts with the Crash Course, get real-world experience with the companion Kaggle competition, or visit Learn with Google AI to explore the full library of training resources.

Visit

IBM

IBM Introduction to Machine Learning

Mark J Grover

Machine Learning
Feature Engineering
Exploratory Data Analysis
Supervised Learning

This program consists of 6 courses providing you with solid theoretical understanding and considerable practice of the main algorithms, uses, and best practices related to Machine Learning . You will follow along and code your own projects using some of the most relevant open source frameworks and libraries.

Visit

Skills.

Interested in Machine Learning? You are not alone! More people are getting interested in Machine Learning every day. In fact, you'd be hard pressed to find a field generating more buzz these days than this one. Machine Learning's inroads into our collective consciousness have captured our imaginations, as when AlphaGo won 4 of 5 Go matches against the world's best Go player. If you are interested in learning machine learning skills to enter this field, your moment is now.

That said, it's one thing to get interested in Machine Learning, it's another thing altogether to actually start working in the field. This post will help you understand both the overall mindset and the specific skills you'll need to start working as a Machine Learning engineer.

Machine Learning

90%

Deep Learning

85%

Artificial Intelligence

75%

↑ To the Top

HomeWorkExerciseTeam\$ PricingAboutContact

Powered by IICT Project

Project Machine Learning Website

11762 MUHAMMAD KASHIF

IICT 105915

Exercise

Machine Learning

WORK

EXERCISE

TEAM

PRICING

ABOUT

CONTACT

Quiz Questions

Question 1.

1. What is true about Machine Learning?

- ☐ Machine Learning (ML) is that field of computer science
- ☐ ML is a type of artificial intelligence that extract patterns out of raw data by using an algorithm or method.
- ☐ All of the above

Question 2.

ML is a field of AI consisting of learning algorithms that?

- ☐ Improve their performance
- ☐ At executing some task
- ☐ All of the above

Question 3.

$p \rightarrow 0q$ is not a?

- ☐ hack clause
- ☐ horn clause
- ☐ structural clause

Question 4.

The action _____ of a robot arm specify to Place block A on block B.

- ☐ STACK(A,B)
- ☐ LIST(A,B)
- ☐ QUEUE(A,B)

Question 5.

A _____ begins by hypothesizing a sentence (the symbol S) and successively predicting lower level constituents until individual preterminal symbols are written.

- ☐ bottom-up parser
- ☐ top parser
- ☐ top-down parser

Grade Me

Clear

Number of score out of 15 = Score in percentage =

↑ To tha Top

Home

Work

Exercise

Team

Pricing

About

Contact



Powered by IICT Project

Project Machine Learning Website


11762 MUHAMMAD KASHIF

IICT 105915

Team

THE TEAM

The ones who runs this project




Kashif Ansari

CEO & Founder

Student Of PAF KIET.

Contact




Shiza Atique

Art Director

Student Of PAF KIET.

Contact



Ammar Mushtaq

Web Designer

Student Of PAF KIET.

Contact

To tha Top

Home

Work

Exercise

Team

\$ Pricing

About

Contact

f i t p t in

Powered by IICT Project

Project Machine Learning Website
11762 MUHAMMAD KASHIF
IICT 105915

Pricing

Machine Learning

WORK

EXERCISE

TEAM

PRICING

ABOUT

CONTACT

PRICING

Choose a pricing plan that fits your needs.

Beginner

10 Lectures

10 Tasks

1 Project

Endless Support

\$ 10

per month

Sign Up

Inermediate

25 Lectures

25 Tasks

5 Projects

Endless Support

\$ 25

per month

Sign Up

Advance

50 Lectures

50 Tasks

10 Projects

Endless Support

\$ 50

per month

Sign Up

To tha Top

Home

Work

Exercise

Team

Pricing

About

Contact

fb

ig

st

p

tw

in

Powered by IICT Project

Project Machine Learning Website

11762 MUHAMMAD KASHIF

IICT 105915

About

Machine Learning

WORK

EXERCISE

TEAM

PRICING

ABOUT

CONTACT

ABOUT THE TEAM

Key features of our Team



Responsive

Our Team is always available when need with any queries, decision making or helping in code. They are there when needed



Passion

Web designing is a passion of all of us , Our co-operation with designing is full of enthusiasm and exciting.



Design

We have lots of creative ideas about designing of the web pages. Our work is not only with Coding but it is also with Photoshop and Illustrator.



Support

Our team's support with our client is like the Queen to its bees, Solving every details of errors of pages.

We Provide Best Courses.

Check out the Latest Machine Learning Courses from the best Providers, Write the Coupon Code IICT-Project and get 30% Discount as our gift to you. Just Click Below

[View Our Works](#)

Machine learning

[↑ To tha Top](#)

[Home](#)

[Work](#)

[Exercise](#)

[Team](#)

[Pricing](#)

[About](#)

[Contact](#)



Powered by IICT Project

Project Machine Learning Website

11762 MUHAMMAD KASHIF

IICT 105915

Contact

CONTACT

Lets get in touch. Send us a message:

📍

PAF KIET, KARACHI, PAKISTAN

☎

Phone: +93 171073917, +93 3232482984, +93 3443200027

✉

Email: MKashifAnsari579@gmail.com, atiqeshiza3@gmail.com, ammarmushtaq44@gmail.com

➤

SEND MESSAGE



↑ To tha Top

Project Machine Learning Website

11762 MUHAMMAD KASHIF

IICT 105915

About our Project Topic

Machine Learning

Machine learning is a method of data analysis that automates analytical model building. It is a branch of [artificial intelligence](#) based on the idea that systems can learn from data, identify patterns and make decisions with minimal human intervention.

Evolution of machine learning

Because of new computing technologies, machine learning today is not like machine learning of the past. It was born from pattern recognition and the theory that computers can learn without being programmed to perform specific tasks; researchers interested in artificial intelligence wanted to see if computers could learn from data. The iterative aspect of machine learning is important because as models are exposed to new data, they are able to independently adapt. They learn from previous computations to produce reliable, repeatable decisions and results. It's a science that's not new – but one that has gained fresh momentum.

While many machine learning algorithms have been around for a long time, the ability to automatically apply complex mathematical calculations to [big data](#) – over and over, faster and faster – is a recent development. Here are a few widely publicized examples of machine learning applications you may be familiar with:

- The heavily hyped, self-driving Google car? The essence of machine learning.
- Online recommendation offers such as those from Amazon and Netflix? Machine learning applications for everyday life.
- Knowing what customers are saying about you on Twitter? Machine learning combined with linguistic rule creation.
- Fraud detection? One of the more obvious, important uses in our world today.

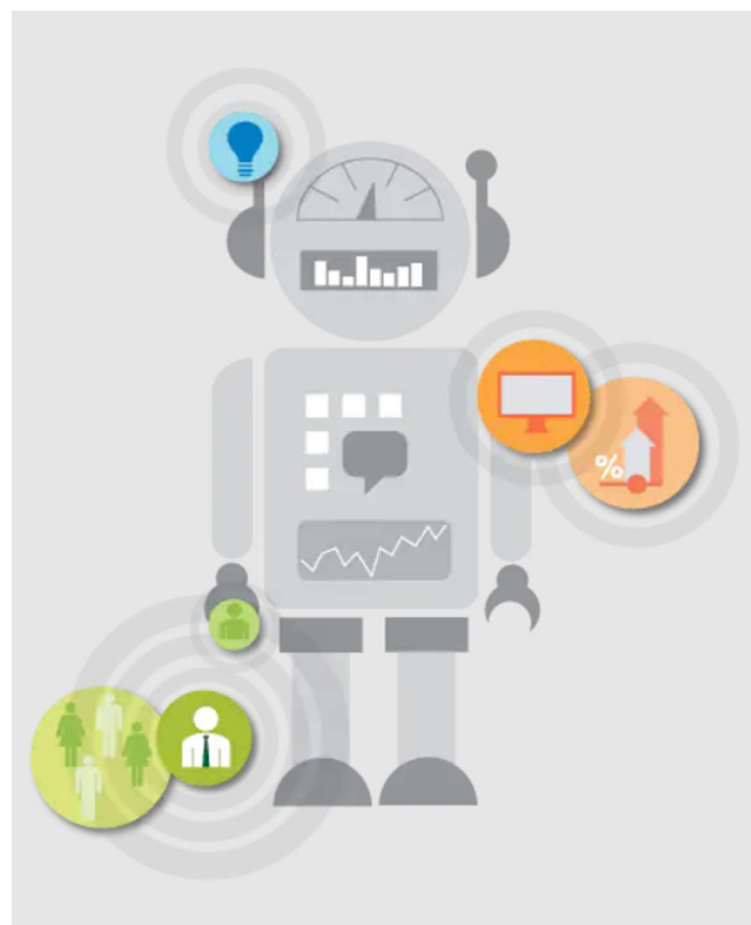
Why is machine learning important?

Resurging interest in machine learning is due to the same factors that have made [data mining](#) and Bayesian analysis more popular than ever. Things like growing volumes and varieties of available data, computational processing that is cheaper and more powerful, and affordable data storage.

All of these things mean it's possible to quickly and automatically produce models that can analyze bigger, more complex data and deliver faster, more accurate results – even on a very large scale. And by building precise models, an organization has a better chance of identifying profitable opportunities – or avoiding unknown risks.

What's required to create good machine learning systems?

- Data preparation capabilities.
- Algorithms – basic and advanced.
- Automation and iterative processes.
- Scalability.
- Ensemble modeling.



Project Machine Learning Website

11762 MUHAMMAD KASHIF

IICT 105915

What are some popular machine learning methods?

Two of the most widely adopted machine learning methods are **supervised learning** and **unsupervised learning** – but there are also other methods of machine learning. Here's an overview of the most popular types.

Supervised learning algorithms are trained using labelled examples, such as an input where the desired output is known. For example, a piece of equipment could have data points labelled either “F” (failed) or “R” (runs). The learning algorithm receives a set of inputs along with the corresponding correct outputs, and the algorithm learns by comparing its actual output with correct outputs to find errors. It then modifies the model accordingly. Through methods like classification, regression, prediction and gradient boosting, supervised learning uses patterns to predict the values of the label on additional unlabelled data. Supervised learning is commonly used in applications where historical data predicts likely future events. For example, it can anticipate when credit card transactions are likely to be fraudulent or which insurance customer is likely to file a claim.

Unsupervised learning is used against data that has no historical labels. The system is not told the "right answer." The algorithm must figure out what is being shown. The goal is to explore the data and find some structure within. Unsupervised learning works well on transactional data. For example, it can identify segments of customers with similar attributes who can then be treated similarly in marketing campaigns. Or it can find the main attributes that separate customer segments from each other. Popular techniques include self-organizing maps, nearest-neighbor mapping, k-means clustering and singular value decomposition. These algorithms are also used to segment text topics, recommend items and identify data outliers.

Semi supervised learning is used for the same applications as supervised learning. But it uses both labelled and unlabelled data for training – typically a small amount of labelled data with a large amount of unlabelled data (because unlabelled data is less expensive and takes less effort to acquire). This type of learning can be used with methods such as classification, regression and prediction. Semi supervised learning is useful when the cost associated with labelling is too high to allow for a fully labelled training process. Early examples of this include identifying a person's face on a web cam.

Reinforcement learning is often used for robotics, gaming and navigation. With reinforcement learning, the algorithm discovers through trial and error which actions yield the greatest rewards. This type of learning has three primary components: the agent (the learner or decision maker), the environment (everything the agent interacts with) and actions (what the agent can do). The objective is for the agent to choose actions that maximize the expected reward over a given amount of time. The agent will reach the goal much faster by following a good policy. So the goal in reinforcement learning is to learn the best policy.

Project Machine Learning Website

11762 MUHAMMAD KASHIF

IICT 105915

How it works

To get the most value from machine learning, you have to know how to pair the best algorithms with the right tools and processes. SAS combines rich, sophisticated heritage in statistics and data mining with new architectural advances to ensure your models run as fast as possible – even in huge enterprise environments.

Algorithms: SAS graphical user interfaces help you build machine learning models and implement an iterative machine learning process. You don't have to be an advanced statistician. Our comprehensive selection of machine learning algorithms can help you quickly get value from your big data and are included in many SAS products. SAS machine learning algorithms include:

Neural networks	Local search optimization techniques (e.g., genetic algorithms)
Decision trees	Expectation maximization
Random forests	Multivariate adaptive regression splines
Associations and sequence discovery	Bayesian networks
Gradient boosting and bagging	Kernel density estimation
Support vector machines	Principal component analysis
Nearest-neighbor mapping	Singular value decomposition
k-means clustering	Gaussian mixture models
Self-organizing maps	Sequential covering rule building

Tools and Processes: As we know by now, it's not just the algorithms. Ultimately, the secret to getting the most value from your big data lies in pairing the best algorithms for the task at hand with:

Comprehensive data quality and management	Automated ensemble model evaluation to identify the best performers
GUIs for building models and process flows	Easy model deployment so you can get repeatable, reliable results quickly
Interactive data exploration and visualization of model results	An integrated, end-to-end platform for the automation of the data-to-decision process
Comparisons of different machine learning models to quickly identify the best one	