XAVIER INSTITUTE OF ENGINEERING

A SISTER INSTITUTION OF ST. XAVIER'S COLLEGE

3-Day Value Added Course on "Introduction to Machine Learning"

DATE: 05/04/2021

Event Coordinator(s)

1. Ms. Lalita Moharkar
2. Ms. Madhura Shirodkar

Time & Place:

Google Meet Platform

2nd to 4th April, 2021

Department:

Electronics & Telecommunication Engineering

No of participants:

73

An online 3-day value added course was organized for the students of EXTC department on the topic **"Introduction to Machine Learning"**. The theory session was delivered by Dr. Ujwala Bharambe who is working at TSEC, Bandra. The practical session was conducted by Mr. Siddhesh Shinde, Conversational Bot Engineer at Quantiphi.

Prof. Lalita Moharkar introduced the resource person to the audience during the session.

This online course was conducted on Google meet platform from **2nd April to 04th April, 2021, from 4:00 pm to 6:00 pm**. Total 73 students attended the course.

The objective of this course was to introduce the students the concepts of machine learning which will be helpful to them in carrying out the projects in this domain. The resource person covered the following topics with hands-on sessions.

- Evolution of ML
- Basic Definition of ML, Mathematical Background of ML
- Building ML Algorithm
- Linear Regression
- Classification
- Clustering
- Approach to solve problem using ML
- Challenges for ML

There was an interactive question and answer session following the presentation and the session ended with the proposal of vote of thanks by Prof. Madhura Shirodkar.

Student Feedback and Benefits:

The students found the session very informative, helpful and excellent. It was a knowledge gaining session.

Ms. Madhura S.	Ms. Lalita M.	Dr. Vidya Sarode
Assistant Professor	Assistant Professor	HoD, EXTC

Lalita Moharkar <lalita.m@xavier.ac.in>

Invitation: Intro to ML - Pre Meeting @ Fri Apr 2, 2021 2pm - 3pm (IST) (lalita.m@xavier.ac.in)

2 messages

siddhesh1598@gmail.com <siddhesh1598@gmail.com> Fri, Apr 2, 2021 at 1:52 PM
Reply-To: siddhesh1598@gmail.com
To: lalita.m@xavier.ac.in, ujwala.iit@gmail.com

You have been invited to the following event.

Intro to ML - Pre Meeting

When	Fri Apr 2, 2021 2pm – 3pm India Standard Time - Kolkata
Joining info	Join with Google Meet meet.google.com/dfr-pqbe-gmz
Calendar	lalita.m@xavier.ac.in
Who	• siddhesh1598@gmail.com - organizer • ujwala.iit@gmail.com • lalita.m@xavier.ac.in

more details »

Going (lalita.m@xavier.ac.in)? **Yes** - **Maybe** - **No** more options »

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To stop receiving these emails, please log in to https://calendar.google.com/calendar/ and change your notification settings for this calendar.

Forwarding this invitation could allow any recipient to send a response to the organizer and be added to the guest list, or invite others regardless of their own invitation status, or to modify your RSVP. Learn More.

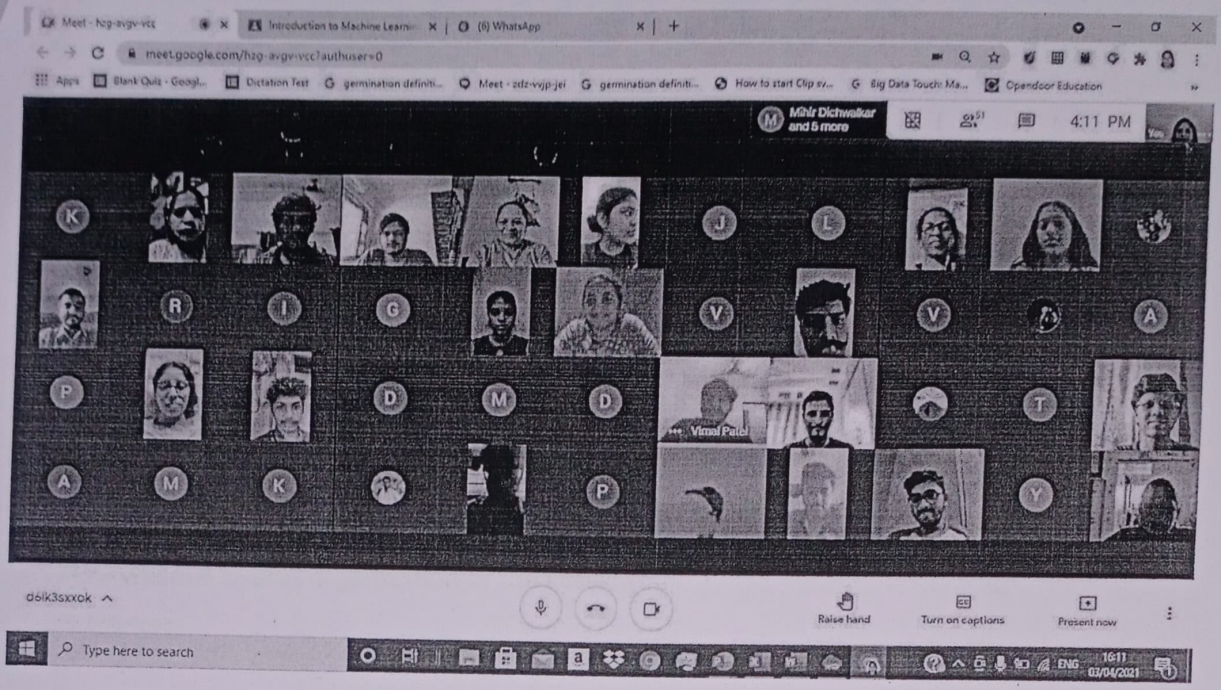
invite.ics
2K

Lalita Moharkar <lalita.m@xavier.ac.in> Fri, Apr 2, 2021 at 1:58 PM
To: siddhesh1598@gmail.com

Hello Siddhesh kindly join the class as it will be convenient for us to join through that.

Class Code: wgh4tv2

Prof. Lalita Moharkar
Assistant Professor,
Department of Electronics and Telecommunication,
Xavier Institute of Engineering, Mahim, Mumbai.


Meet - hzg-avgv-vcc
Introduction to Machine Learn
(6) WhatsApp
meet.google.com/hzg-avgv-vcc?authuser=0
Apps
Blank Quiz - Googl...
Dictation Test
germination definiti...
Meet - zdz-vvjp-jei
germination definiti...
How to start Clip sv...
Big Data Touch: Ma...
Opendoor Education
Mihir Dichwalkar and 5 more
4:11 PM
Vimal Patel
d6lk3sxxok
Raise hand
Turn on captions
Present now
Type here to search
ENG
16:11
03/04/2021

Value Added Course Feedback Form - Electronics and Telecommunication Department

100 responses

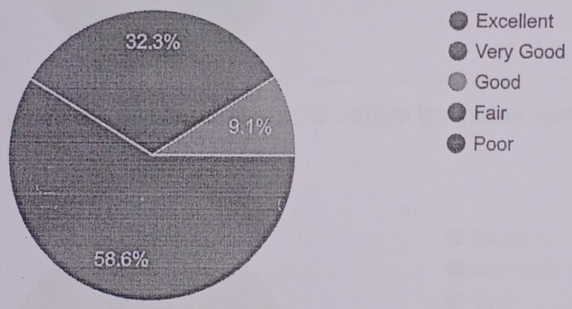
Publish analytics

Questionnaire

How was the overall organization of the session?

Copy

99 responses



How relevant was the content discussed by the speaker?

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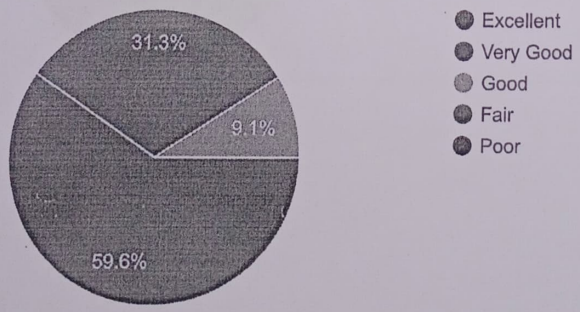
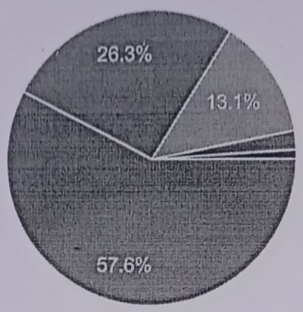
99 responses



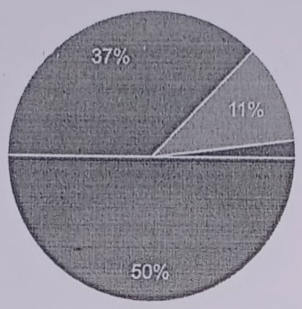
Are you satisfied with the time and venue/platform? Copy

99 responses



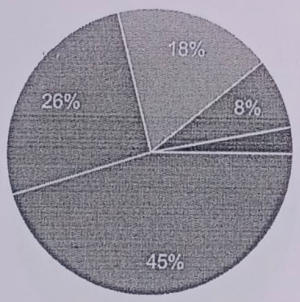
How much interesting this session was for you? Copy

100 responses



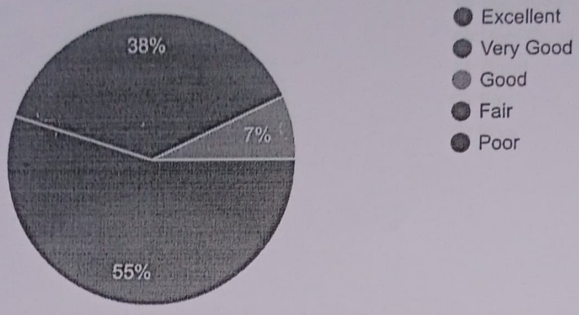
How was your preparation about the topic before the guest lecture? Copy

100 responses



Did the lecture cover what you were expecting? Copy

100 responses

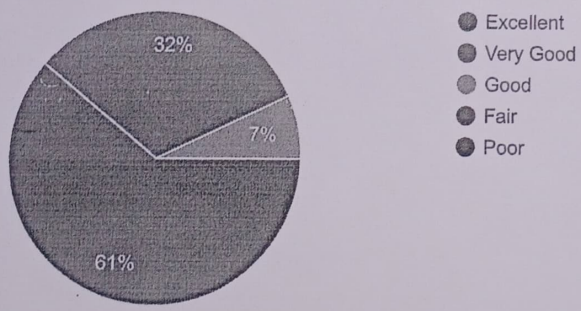


What is your opinion about the speaker? Copy

100 responses

How much this session was useful from the knowledge and information point of view Copy

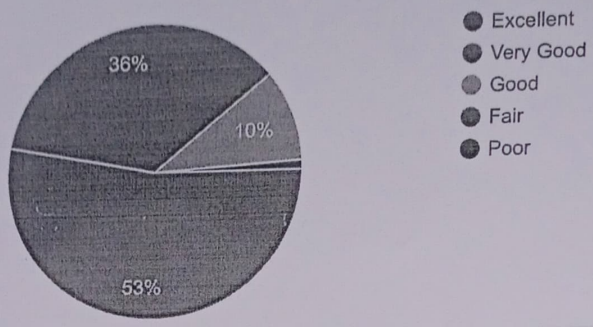
100 responses



Overall effectiveness of the session

Copy

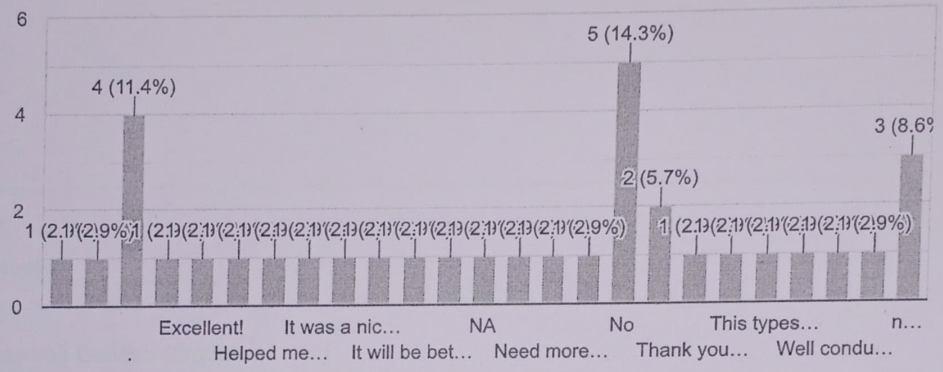
100 responses



Additional comments and suggestions for future

Copy

35 responses



Quiz

Enter Class Roll Number

100 responses

58

37

60

26

35

36

5

21

59

Name

100 responses

Divyashree Ganesh Ghodekar

Ayush parmar

Keval Meher

Aditya Waichol

Kartikey Prajapati

Ishika Shah

Shakthi Kounder

Rahul Vijan

Akansha Bagal

XIE-ID

100 responses

201902012

202022016.AYUSHPNR@student.xavier.ac.in

XIEEXTC171834

201902039

XIEEXTC181943

201902027

XIEEXTC181926

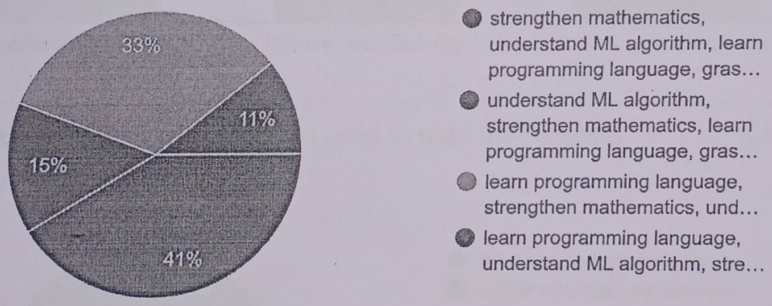
201902038

XIEEXTC181904

Which of the following sequence is correct for best way to learn ML

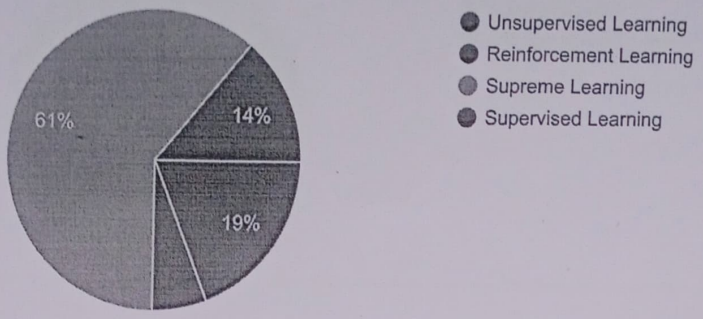
Copy

100 responses

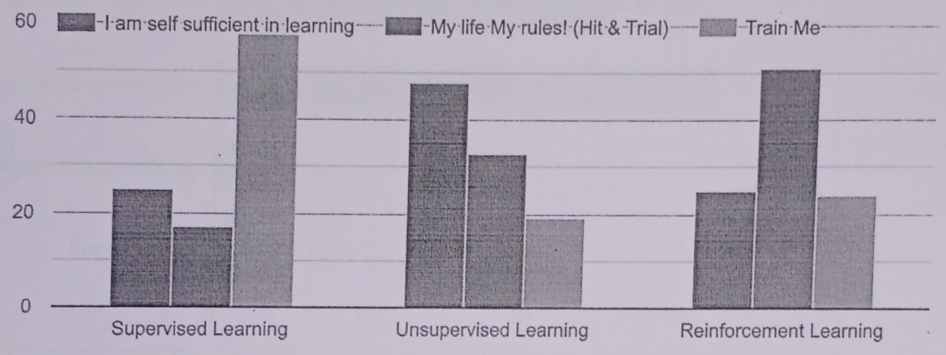


From the different machine learning strategies given below which one is not used in ANNs? Copy

100 responses

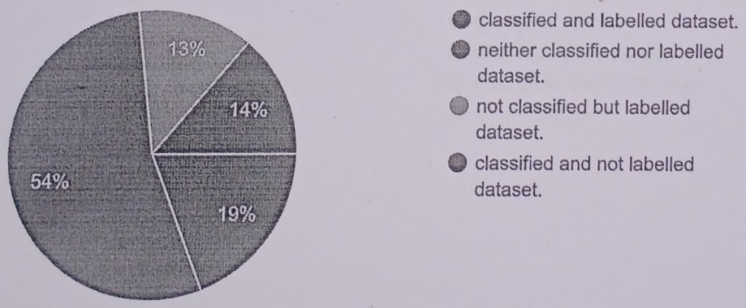


Match the following Copy



In unsupervised learning, the information used to train the model is Copy

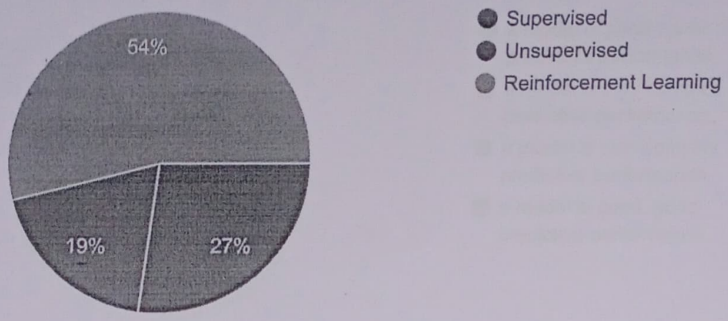
100 responses



The Machine Learning algorithm which learns only from the experience

Copy

100 responses



SVM is a

Copy

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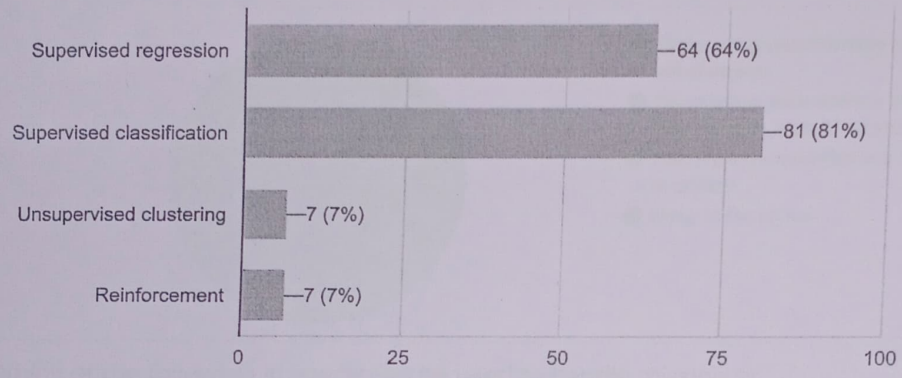
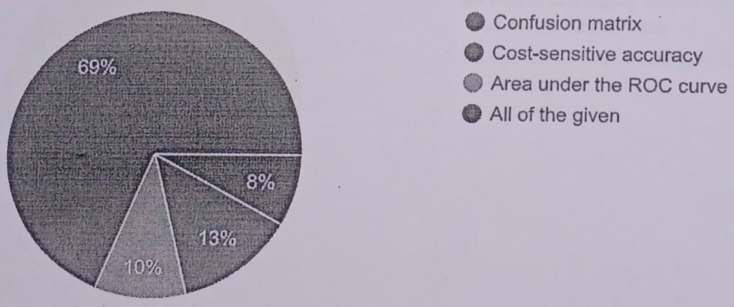


The most widely used metrics and tools to evaluate a classification model are:

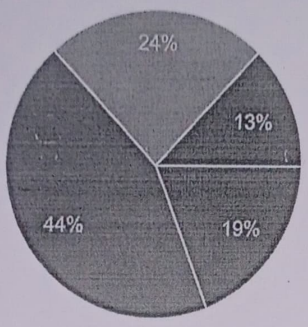
Copy

100 responses



Over-fitting occurs when _____and has_____. Copy

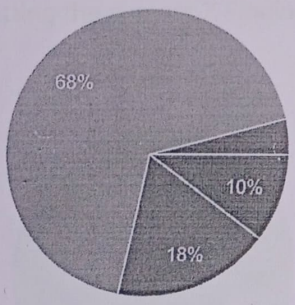
100 responses



- a model is good , poor predictive performance.
- a model is very complex, poor predictive performance.
- a model is very complex, good predictive performance.
- a model is good, good predictive performance

Clustering is about Copy

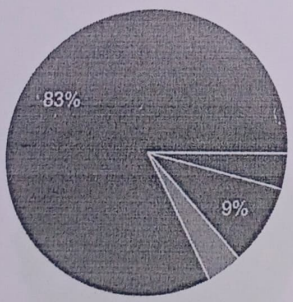
100 responses



- Discovering dissimilarities in a set of objects
- Discovering dissimilarities and similarities in a set of objects
- Discovering similarities in a set of objects
- None of the above

Which of the following strategy can be used to handle missing or corrupted data in a dataset? Copy

100 responses

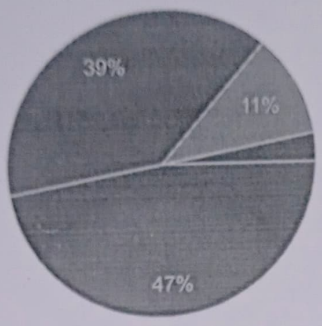


- Drop missing rows or columns
- Replace missing values with mean/median/mode
- Assign a unique category to missing values
- All of the given

How do we best segregate the two classes within the data?

Copy

100 responses

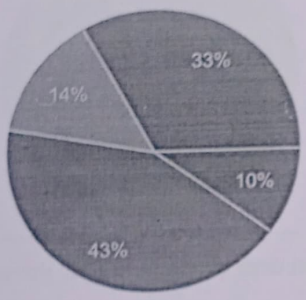


- choose a hyperplane with the greatest possible margin between the hyperplane
- choose a hyperplane with the smallest possible margin between the hyperplane
- choose a hyperplane without the margin between the hyperplane
- None of the given

Select correct sequence of given data processing steps in machine learning. 1. Feature scaling 2. Encoding Categorical Data 3. Importing datasets 4. Splitting dataset into training and test set 5. Importing libraries 6. Getting the dataset 7. Finding Missing Data

Copy

100 responses

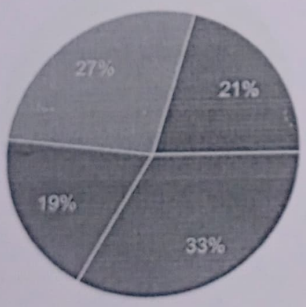


- 1, 2, 3, 4, 5, 6, 7
- 6, 3, 5, 7, 2, 4, 1
- 6, 3, 7, 5, 2, 1, 4
- 5, 3, 6, 7, 2, 4, 1

Identify incorrect statement about k-means algorithm

Copy

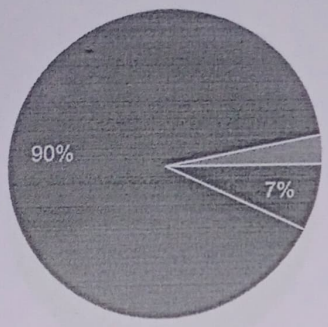
100 responses



- Often terminates at a local optimum.
- Sensitive to outliers
- suitable to discover clusters with non-convex shapes
- medoids can be used instead of mean

upport vectors are the data points that lie _____ Copy

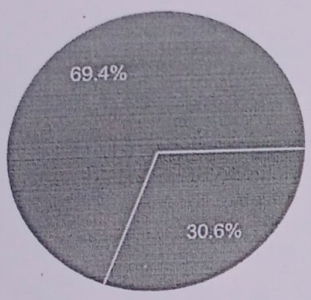
100 responses



- away from the decision surface (or hyperplane)
- closest to the decision surface (or hyperplane)
- on the decision surface (or hyperplane)
- inside the decision surface (or hyperplane)

For two runs of K-Mean clustering is it expected to get same clustering results? Copy

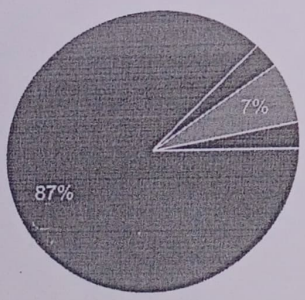
98 responses



- Yes
- No

The neural network which has only one hidden layer between the input and output is Copy

100 responses

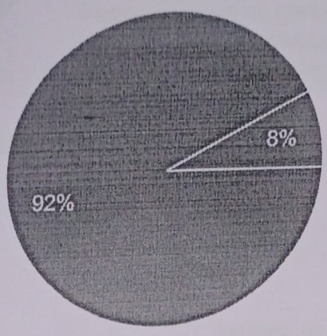


- Shallow neural network
- Deep neural network
- Feed-forward neural networks
- Recurrent neural networks

ep learning algorithms are more accurate than machine learning gorithm in image classification.

Copy

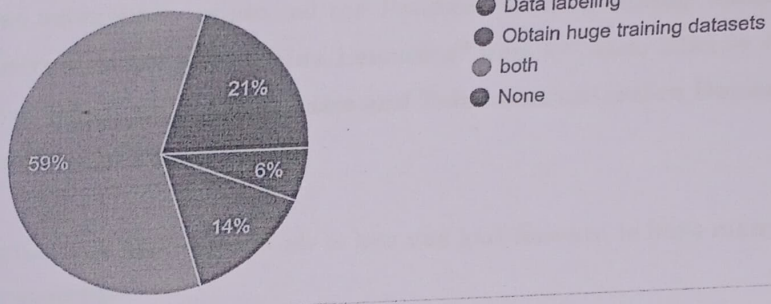
100 responses



Limitation/s of deep learning are

Copy

100 responses



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Fax : +91 (22) 2445 4482 / 2446 2267 • Email ID : office@xavier.ac.in • Website : www.xavier.ac.in

Ref. No. XIE/2021-22

Date: 25/11/2021

Letter of Appreciation

This is to certify that **Mr. Siddhesh Shinde**, Conversational Bot Engineer at Quantiphi has successfully conducted the Practical Sessions during Value Added Course on **"Introduction to Machine Learning"** from 2nd April 2021 to 4th April 2021, which was organized by **Electronics and Telecommunication Department of Xavier Institute of Engineering.**

We express our sincere gratitude to him and look forward to have many more sessions in his expertise.

Thanking you.

Vidya Sarode

Dr Vidya Sarode
(HOD, EXTC Dept.)

XAVIER INSTITUTE OF ENGINEERING
(Approved by AICTE, Govt. of Maharashtra and Affiliated to University of Mumbai)
Mahim Causeway, Mahim, Mumbai - 400 016. • Phone : 2445 5937 / 4559 / 1961
Fax : +91 (22) 2445 4482 / 2446 2267 • Email ID : office@xavier.ac.in • Website : www.xavier.ac.in

Ref. No. XIE/2021-22

Date: 25/11/2021

Letter of Appreciation

This is to certify that **Dr. Ujwala Bharambe**, TSEC,Bandra has successfully conducted the Sessions during Value Added Course on **"Introduction to Machine Learning"** from 2nd April 2021 to 4th April 2021, which was organized by **Electronics and Telecommunication Department of Xavier Institute of Engineering.**

We express our sincere gratitude to her and look forward to have many more sessions in her expertise.

Thanking you.

Vidya Sarode

Dr Vidya Sarode
(HOD, EXTC Dept.)