Introduction to Machine Learning

Python Hands on Sessions

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Agenda

Day-1

Python and Machine Learning Overview

Python Libraries

Kickstarting with Data: Data Preprocessing

Statistical Operations

Datasets processing

Mathematical Tools

GitHub Resources

Python Basics

Basic overviews of Python Syntax

Decision control
Operators
Loops

Quick Data Structures with Python

Data Type
Strings
Lists
Dictionaries
Files I/O

Machine Learning Overview

Why is world moving to ML?

Practical Aspects: What I learnt at CSIR Internship.

Practical Machine Learning- Python Libraries

How to begin with Practical ML?

Python Libraries

NumPy

Pandas

Scikit-learn

Matplotlib

Data Preprocessing

Importing and Reading Datasets

Statistical processing

Data Encoding

Feature scaling

Manipulating Datasets

Thank You for attending

This session was presented by ACM JUIT

You can follow me on GitHub

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