

Machine Learning hands on using Python

SME : Parag Jain

Logistics

- 4+1 weeks long
- Mostly online
 - Project hosted on www.freedcamp.com
- Give at least 1.5-2hrs each day
- Weekly assignments(to be submitted before deadlines)
- Group discussion at the end of each week(can be in college or online) based on which grades will be given
- Presentation in the last week for final grading

Overview

What we'll be covering

- Machine Learning and its Applications
- Categories of Machine Learning Algorithms
- Defining a well posed learning problem
- Running few machine learning algorithms

Motivation

- Application of Linear Algebra
- Data Analytics

Working Environment

- OS: Linux based distro (preferably Ubuntu)
- Python 2.x / 3.x (conda installation)

Prerequisites

- Basic python programming
- Linux terminal commands

Knowledge of the following is good but not a requirement :

1. Basics of Image Processing
2. Basics of Natural Language Processing
3. Statistics
4. Linear Algebra

Doubts?

Shoot a mail at

paragjainpes@gmail.com

Mention subject as

PESU IO MLHP <Week No>