Machine Learning hands on using Python

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SME : Parag Jain
Week 2

Overview

- Types of Machine Learning Algorithms

- Introduction to Python

- Introduction to Ubuntu

Task 1: Categories of Machine Learning Algorithms

Address the following questions:

- What are the major categories in which any machine learning algorithm can fall into?
- Common algorithms in each category

Resources:

- https://towardsdatascience.com/types-of-machine-learning-algorithms-you-should-know-953a08248861
- https://www.kdnuggets.com/2017/11/3-different-types-machine-learning.html
- https://github.com/PollenJain/PESU_I_O/blob/master/Machine_Learning_Hands_On_Using_Python/Week2/Resources/Reinforcement%20Learning.pdf
- Read **Machine Learning** by **Tom Mitchell**

Task 2: Introduction to Python

- Basic python programming
- Getting acquainted with os module

Resources

- https://www.tutorialspoint.com/python/index.htm
- https://pythonprogramminglanguage.com/split-string/
- https://github.com/PollenJain/PESU_I_O/blob/master/Machine_Learning_Hands_On_Using_Python/Week2/Basic%20usage%20of%20os%20module%20in%20Python.ipynb

Task 3: Introduction to Ubuntu

- Install Ubuntu
- Execute and familiarize with Linux environments and commands

Resources:

- https://github.com/PollenJain/PESU_I_O/blob/master/Machine_Learning_Hands_On_Using_Python/Week2/Resources/Week2Task3(UnixCommands).pdf
- https://github.com/PollenJain/PESU_I_O/blob/master/Machine_Learning_Hands_On_Using_Python/Week2/Resources/Users%2C%20Groups%20and%20Permissions.pdf

Feel free to explore the internet for the given tasks.
Any doubts?
Drop a mail on <u>paragjainpes@gmail.com</u> and mention
subject as
PESU IO MLHP <Week No>

Or
Put up your question on StackOverflow and then drop a
mail with the link.