1. What is semi-supervised learning?

Semi-supervised learning is a type of machine learning that falls in between supervised and unsupervised learning(1). Using both labeled and unlabeled data to train artificial intelligence (AI) models for classification and regression tasks(2).

1. What is reinforcement learning?

Reinforcement learning is a machine learning technique that trains software to make decisions to achieve the most optimal results (3). Reinforcement learning differs from supervised learning in a way that in supervised learning the training data has the answer key with it so the model is trained with the correct answer itself where as in reinforcement learning, there is no answer but the reinforcement agent decides what to do to perform the given task (4).

1. What is ensemble learning?

Ensemble learning is a machine learning technique where multiple models, often of different or trained on different subsets of data, are combined to improve the overall predictive performance. An Ensemble method creates multiple models and combines them to solve it (5).

1. Install anaconda and launch Jupyter Notebook:

Done

1. Install numpy, pandas, matplotlib, seaborn and sklearn libraries :

Done

**My Reference:**

1- <https://www.geeksforgeeks.org/ml-semi-supervised-learning/>

2- <https://www.ibm.com/topics/semi-supervised-learning>

3- <https://aws.amazon.com/what-is/reinforcement-learning/>

4- <https://www.geeksforgeeks.org/what-is-reinforcement-learning/>

5- <https://www.geeksforgeeks.org/ensemble-methods-in-python/?ref=header_search>