2. Unruperwhed

In unsuperwised leavening, we feed unlabelled data (only imput) to the model. The model finds similarity among the imput data namples and groups them into categories.

- Elevetering (unsupervised classification) The model groups stmton data namples into categories.
 eg: K means
- · Memorianality reduction Their algorithm reduces the number of attributes in a dataset to help in analysing data.

 eg: PCA
- o mamaly detection It helps to detect authors (anamalier)
 in the data.
- Anadation If help to discover anadation rule such as people that buy X also tend to buy Y.
- 3. semi ruperwired -

It is partially supervised and partially unsupervised.

There some of the imput data is labelled and some are unlabelled.

Reinfarcement -Here de ML algorithm acts as a virtual agent in the environment. The agent relects the best action from the possible net of actions and leared on that relector receiver reward / penalty. The own is so maximize reward and reduce penalty and eventually learning