

> Feetures of Machine Learning:

1. Automated Learning: ML algorithms Immines

2. Adeptibility: Capable of adopting to new dote without manual Interneum.

3. Prediction: Con make prediction bejed on learned potterns.

are two complete for a person to derectly increment! - justify the statement with proper example.

machine Learning excels at randuling complex tables by recogniting patterns in vert amount of date. For instance, predicting stock methods moved involves anothering countiles ravidly something a person couldn't marage monuely due to the volume and complexity of the date, me aloprishms can another through the date,

Here the god is to clearly errail into "your" Consideration: In a destact of enoils, some of Independent verticible: Ado Spend, Square Footoge 4. "Clandration is better then Regnession" - Justify the pegmention " is not uninopuly true. It depends identify postern and make move according on the problem that deving track to solve, In ML, saying " considiretion is better from which are spain & some are not. 3. Live one exempt of dependent, independent predictions, demonstray their copositions to handle talks beyond human capacity. > Dependent vorredde: Solve penerve, House prite Demographic Variable: Age, Lownion statement with proper example: 1 demographic varicula.

or "not spom", Here the output is categorical, where cloudestran, predicting hove parties based, on features like square based, on features like square based, on features like square based, or imputs, here charitication is toperated based or imputs, here charitication is toperated based on imputs, here charitication is toperated based on output prediction is orteopried.

So, he chouse flatement is only velid Ohen show output prediction is orteopried.

Suitable the model tay this dotabase courted the model tay this dotabase courted to the reducting a Nemental value; since the courted to predict a numerical courted to predict a numerical salue, peepretion models are best tay in.

Association is used to ducover interesting relations provide a clear interpretation other features, making it switchle for mutible 3. Simple and Interpretable: Multiply Wirear regress, Figure Both Chathering & Association are unsupermised Chustering is used to group similar dots points each feature influences , me production, which can be beneficial for understanding the undertogether beard on contact Leature without prior - Exploiting unknown patterns or segmenting 2. Meutifu Redung: We have multiple input between variculty in lorge obtatch. hying relation this in the deta. . Custering is predemed when: bearing techniques. knowledge of hebeb. linear regrebion.

The robotic dog has been mounted externinely for dire days to learn arm movements and complete to hochming a novigating amount specific individuals.

Mence this not be orbit to identify and navigate around a specific person without additioned training or progress the tole. The cognition. Here this regret the tole.

Beceuse, better forthers and generation of complete data become possible with the introduction of advance methine learning algorithms and high-performance computing that introduct of __cond__.

Les applications of the ave:

1. December on historical dota.

Source on historical dota.

2. Finance: Mr algorithm preduct stock miles, detriot troudlent bangachons and ones credit risks by analyzing rottomount of throneial tota.

3. E-commerce: Recommender systems we my to personelize product recommented destrons bosed on were between end preduence.

4. Natual Longuage Polebing 5. Autonomous vehicle 6. Irroge & Speech Recognition.

like Nome Boses, svm on lesselle detz. 10. Mr olyonithms detect enout sparm and 1- File Arabyers: Examine the types as December have a leboth motion 2. Model Thaining: Thoused by olganiday 2. model freeming. Freezewith to depus lets 3. Production. Cleraiding mune ensily melusare to analysing feetures like content, sender information and hile 1. Presture Estraction: Extracts teyworks & 3. Detablion; Flag supravios dels in sender defauls. benowl spen Altrang: ey spem or not. belowion. > Melisone Filhation: enails. behaviour. scriples.

data & clean, relevent & switche. Home 12. Handling machine date from a training detail involves several strops to every du - Beardain Mossing volues. 7. Model Deplement - Removing Dydricats. 3. Feeture Engineering. 6. model Brownshi. 2. Dota Preproceeing 5. Mudd hainly a convir opproved. 4. Model Jelechon 1. oate Collection. 1. Data Cleening

2. Dota Frendfrination - Normalization - Fredericy - Fredericy 1. Reature Electrion 4. Reature Ergineering 5. Dota Johnthing & Tatting dota. 12. Dota Johnthing & Tatting dota. 13. Dota Johnthing & Tatting dota. 14. Reature Ergineering 15. Dota August Anathray dota. 16. Comit nequire Anathray dota. 16. Comit nequire Anathray dota. 16. Periody none switch due to its others. 16. Sevendly more switch due to its others.
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between vertebles with treps like on t-him Linear regression a woodly der date when du orres à not constant aven un evolución des vignibiene of rebounding regression andress where the vorsione of) We need to hondrim du depender > Use worked feet greens refrem. M. By pothers terms in lather respection demendrally reders to the Ultwerton In There owill Linearly, Humsledochius, Independent, Normelity among du livels of one ind-pendent variables. To overworm ch: Ledosch voriddes. rondh

or J-ter, Letermining dre volldes y models, sand ton a de model Hack.