Fastailesson 20netes

23 Juliae 2021 1313559

Lecture en priorities :

- If we did the training for the construction and defined about the theorem and the construction of the cons ₩ĦĠ₩erfit
- So to avoid that you have to air afarram alteration after meaned have been realinine and the reliation datably which you can determine the thing the control of the contr
- Egapper - The base makes the training what type of the parameters are good for the training data the base makes the training data the base makes the training the base of the training training the base makes the training training the base makes the training train
- data

Accurative hase model will be used to create the more complex model

Error rate is how much our model predicting the values wrong it get's printed after each epoch Accuracy = 1 - error rate

Errors rate is drown the usual medal practicating the matter own angeling at a printed cafe usage he poch determining the values

* loss: the computer is using the measurement of the performance which computer is using for determinification values is the measurement where humans (we) are using to determine that the how model is performing

Loss matrice the vacuum of the heavy continued in the continue of the continued of the cont but in then the angulary sereo rate matrix just measures how much predictions were right and how LOSS MEdictions every SMAR bit of the information if he changed the parameter what will happen

etc splitting of the validation data means our model never sees in training so it's completely untouched by it but in thin tipe accuracy, error rate matrix just measures how much predictions were right and vit and it's not cheating any way how much predictions were wrong

Splitting of the validation data means our model never sees in training so it's completely untouched by it and it's not cheating any way

Book Notes:

The practice of the deep learning

There can't be just 6 lines of solution every time we code

We shouldn't overestimate and underestimate the capabilities of the deep learning

Book NoteSause if we underestimate them then we can't be able to solve the problems which are The practice of the mile and be solved with the great accuracy with deep learning Whele crafte to the first identified to be continued and the continued with the deep learning will solve The shith and board semale through the same terms to the same terms of the same term

Cause if we underestimate them then we can't be able to solve the problems which Try to any here the fight sample family the best of the problems which have detailed good) remember the perfect doesn't exist you have to create your own dataset and while on the other side if the problems are long and we assume that the deep learning will solve any of the problem then also there will be some hardship while solving the problem

The deep leading is now used in

cont have dataset (good) remember the perfect doesn't exist you have to create your Beep dearning as good at 90 with it good the images Even the data which can be converted into sound waves can be solved using the computer vision algorithms

The despression in the description in the descripti

Computer design: be also generated but since the data can be anything which can be generated Execupally a main agmish agree of the according in pinger the present tear of synthic lenther in the limitations can't guarrenty that the EXPERT MILL CONTRICT THE DESCRIPTION OF THE PROPERTY CONTRICT THE DESCRIPTION OF THE PROPERTY CONTRICT THE PRO Anthargoniston ignybritathere are models which can genearte the texts and which can recognize the computer generated text but it can be used for both of the models advantages (GAN) so that we procedual daturn get better and the computer genearted text is almost same as the human Fig. 12 The left that a can be also generated but since the data can be anything which can be

generated textually we can have the scientific paper generated by the model but we can't fombining the text and the images correct cause it's based on the trianed paper there text and the image model can be combined to get the subtitles about the image had the image model can be combined to get the subtitles about the image Abother concern in N.P. Is there are models which can generate the texts and which can informations but since as discussed previous we can't guardent the subtitles will be recognize the computer of image provided tash by the manipulated advantages (GAN) so that the model will in turn get better and the computer genearted texthe almost har be used go near they they troke with help of CT scans

Combining the text and the images:

Take to data and the image model can be combined to get the subtitiles about the image informations that time easis at be table to pretacion which ademplearminally that in making the time easis at be table to pretacion which ademplearminally that in the time easis at be table to pretacion which are the time easis at be table to pretacion which are the time easis at be table to pretacion which are the time easis at the table to pretacion which are the time easis at the table to pretacion which are the table to pretacion which are the table to pretacion which are table to table to pretacion which are table to table table to pretacion which are tabl Howeveriate same tale used granage of ovacchic acase the intage of the analysis of the intage of the analysis of the intage of t have a system that is using random forest of gradient boosting machines

Eterns witching that the adding along learning may not be estable that free improvement on the other side the deep learning models take longer to train and predict than the simple machine learning models **Tabular data**

- For analyzing the time series the tabular data is useful, dep learning is making the great stiller and the series the tabular data is useful, dep learning is making the great stiller and the model. It is a series of the model. It is a learning to the series of the model. It is a learning to the series of the model. It is a learning to the series of the model of the series of th Theraseyerving the horadeing deembearviers way that bas early in the dramatic good fiction imprayentading his books
 - on the other side the deep learning models take longer to train and predict than the simple

MARGENIA STEINING AMORING data types)

The systems such as the protein synthesis can be solved or identified similar to the natural Regargumenolationgsystem:

The amazon is having great recommendation system but if you buy some autors book then it'll suggest you to buy that author's book more but it shouldn't be like that it should be ร้อยระชาใก ใหม่ใช้เสอง เขาสาย the librarien of the library tells you that this writer also write

Befine the objective for which type admit a laudder model

Levers what the inputs for the model

Where are you conso callect the data types yired inputs

Models: create the actual model using the deep learning techniques. The systems such as the protein synthesis can be solved or identified similar to the natural languague processing models

To turn the data into the dataloaders object we just have to know at least this four things

What kind of the data is Steps while building the model Refine the phistory which you want to build the model

Hevers whatethe inautation the model

Where are you gonna collect the data for required inputs

Models: create the actual model using the deep learning techniques