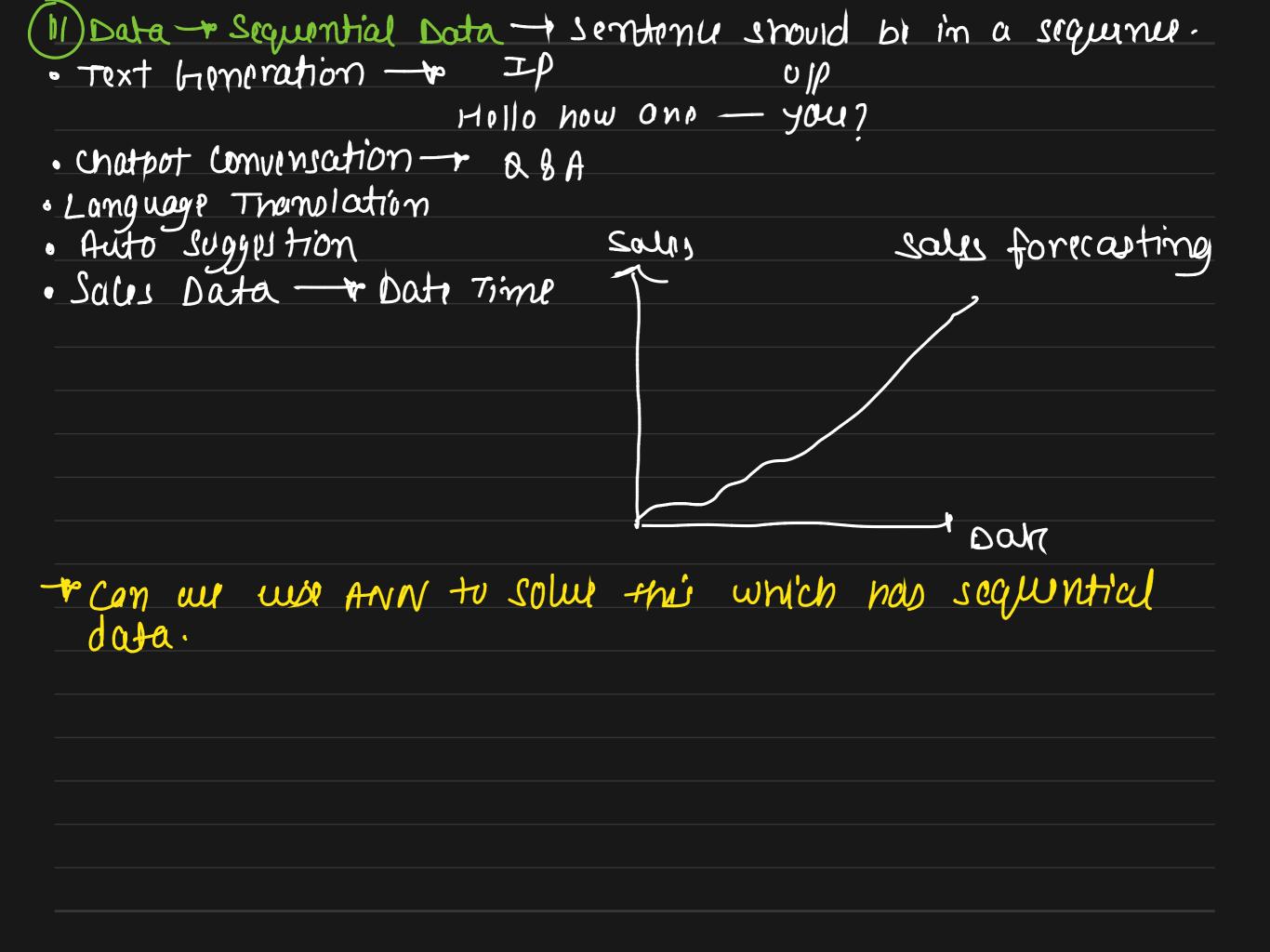
## **NOTEBOOK**

NLP in Deep Learning
ANN - Artificial Neural Network - Classification & - Tabelle Ann - Rignession - Forta
Eg: Howe Price Prediction  Hidden layer Loss (y-y')
Fi fz  House Novol Prin (op) fi  From From from from the from the following the follow
2 back propagation
* sequence of data doesn't matter
Denn-treconvolution Neural Network to Data are in the form of image and violeds. Eg: Image Classification, object Detection



NLP in doop learning is very important for generative AT. It includes:

(1) SIMPLERNN - \* LSTM/ WRU RNN - \* BIOU'M RNN - \* Encocy Decoder -+ Solf Attention -+ Tromoformino

## ANN VIS RNN

## Dataset & Sentiment Analysis'y

Tex+	OP	Bow-r	Food	good	bad	not
food is good	<u>`</u> 1_	12	Ċ		ð	0)
food is bad	O	<u>S2</u>	CI	O	1	0)
food is not good	O	23	C	1	Ö	17

\* sequence data is important and in ANN there is no seguential detà. \* Jun un imput all trui mords at onle.

\* Meaning of sentinu is last.

## NITUUORK) [Data- sequential] Simple RNN( Rewrient Neural Fredback RNNI 10 OJP - o M IN RNN, the feedback (OOP sends information back to its node and reputite Ht modes. 711 1012 X13 19KY Eg: The food is good C=1 P11 +22 p12 +23 X13 In RNN cu paid the try words in ponticular fimilianju-

