AMI MODELS

1) Lineau Regression: Inferriced Learning
19 y= O1+O2.21 (fix a straight line)
With I variable -) Takes n, gives y (straight lus) With multiple variables - + takes n, z, w, gives y(') Folynomial regression -> takes n, gives y: polynomial
2) Logistic Regression: Output has only 2 possible values.
3) Decision Tree Regnessor: Both Classical & Categorial dat
4) Suppost Vector Machine: High dimensional spaces 4 in regression, for hiscret value 5) Naive Bayes (Gaussian NB) 7 both continuous & discrete dato
6) K Neighbour Classifier - Leasy, both classif & reg, but slower with greater data 7) K Means - 1 not used much in regression
8) Random Forest Classifier, multiple décision trees then best out of thui
9) Gradient Boosting Classifier - High accuracy
× Gz Boost
-> Light-BGM
-> Cat Boot

10) Dimensionality Reduction Algorithms

* CNN: - Deep Learning]

If for time series based predictions, following models are preferred:

- · hightGBM · Nouve Bayes · ARIMA model

* Report: Random 5 dates

Nouve Bayes, Light Gem, ARIMA Model

"Compare their results 4 accuracy

A) Algorithm behind Lightham, Name Bayes, ARIMA

Date	Linearke	Dectree	J <u>vM</u>	NB	K Negh	Lighturm	XEVBOORT
30-05-22 10-06-22 15-07-22 01-08-22 07-09-22 23-09-22							