type of (likePCA)

ML trems

To reduction - Anto encoders: a type of NN used for unsupprised learning. They work by compressing the input dela into a lower dimention representation (encoding) and then perconstructing the original input from this comprissed representation (decoding). The model is frainte to minimize the difference between the original import and the reconstructed output. - GAN (Generative odversorial network): are a type of NN deligned to generally not data that tesembles the later they were trained on, they corrist of two networks: a generator which creates here date and a discriminator which evaluates the authorists of generated Jahr. The two networks are trained in a adversarial process where the generator fries to fool the discriminator and The discriminator tries to distinguish between real and generated data. This Irads to both to be improved. Explainable AI (XAI). Focuses on making ML models and there decisions undersandahly to to humans instead of treating models like black boxes, in to under stand moders - Confusion matrix: a confusion matrix is a ML evaluation method it Sumarized preformance of Classification models by showing the number of correct and incorrect predictions for each class, it compares moders producted Labers win actual labers chelping visualize model errors. Too see real fix in Almohis goto pecision trill-191-2 lonfusion maketix of Scanned with CamScanner