In machine learning with a civit-learn, common pit-falls like in consistent preprocessing and Jota leakage con degrade model personner. preprocessing stages must be applied consistently to both training and yest data and pipelines help automate this process. Dorta leakage execur When Jest data influences model troing, leading to overly optimistic results; it can be avoided by ensuring teature nelection considers only traing data Additionally, controlling Mandomners via Mandom state parismeter ensure negation ancibility, crencial for consistent tresults, using pipelines on 2 managing Man 2 ammen property helps avoid there in inse and impressed model quality.