Choosing subset of features forom all Why we need feature selection?

It cause of Dimensionality: If we have

further increase no of features we will

end up hampering own model growth

Model will be livering from irrelevant

data.

Head features: model threshold 1, isverderant 2. redundant Couse of Dimn no of features dimensi onaloty red n Jeature selection Jeature entre a, b, c... 7/outs à, b, c ... Z 5 best features 5 feature e,g,7,V,f>0/P az, ecq, dm, a, e GPCA Selection Methods:-# Feature (1) Filter we have to filter out aged features for onest of the features.

Checks relevance of feature with output Nariable nest of the Variable

> Algo -ML Jeatus es Select leest subset CHI square test ANOVA test correlation coff (2) Wrapper Method forward selection L backward elimination one by one and find to forward selection A -> ML -> accuracy acciding, if accuracy AB - MC - accuracy & incleases we keep the feature otherwise we ABC - me - accuracy X model discard it. Chi-squared - p-value PEO-05 - useful Packer and Elimination Test ABCDE GANOVA CHI SQ J model leavon coff 3) Embedded Method Takes all PMC of features and check with model performs best.