support vector machine (sums) are supervised tearning medhods for classification, regression and outlier detection effective in high-dimensional spaces. They thely on support vectors to define decimation boundaries making them memory efficient. SMMs we various vernel functions for Jasax customitation. However, they this overtiting when features out number namples and have high complitational complexity for probability estimates sums handle binary and multiclass Classification wing "one us one" and one us trest strategies and support rector machine exprends their we in regression Janus preoper hypotrometer Justing in crucial, espicalis for non linear therenals and large data nets inchesse compania Hond Jemmas.