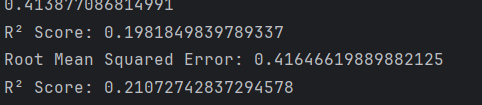
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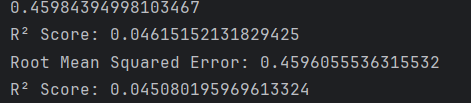
Fixed

Linear regression



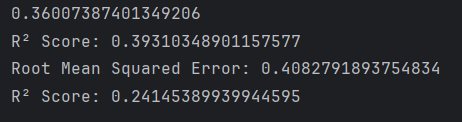
Continuous

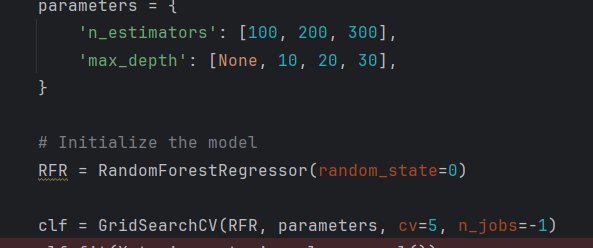
Linear regression



fixed

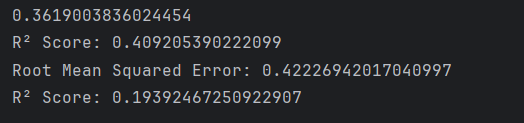
Random forest P





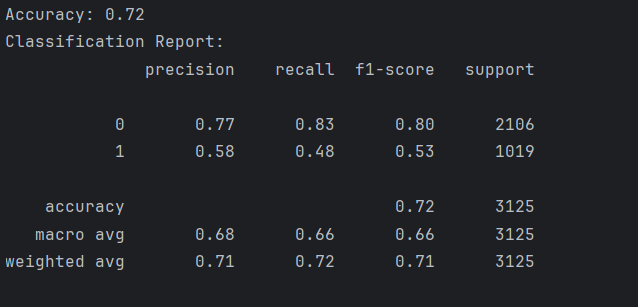
continuous

Random forest P



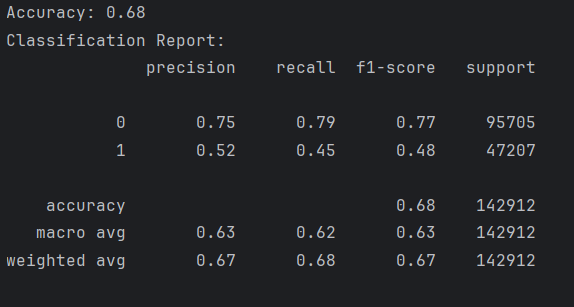
fixed

Classfifcation



Continuous

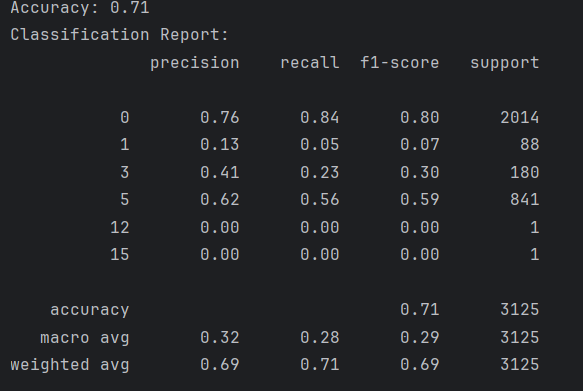
Classification



<-

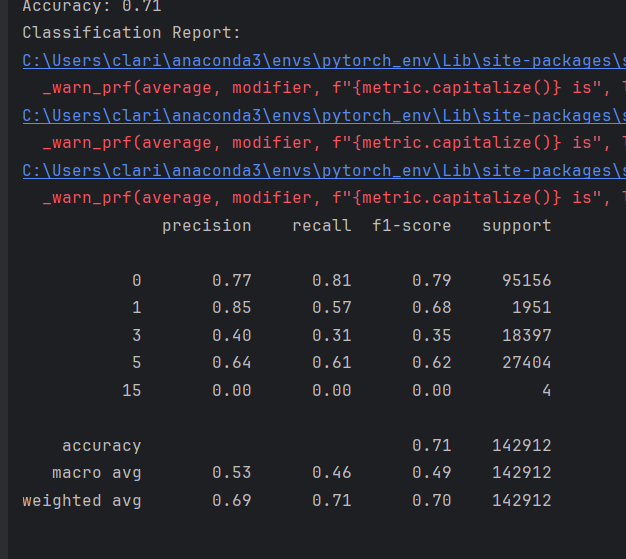
Fixed

Classification



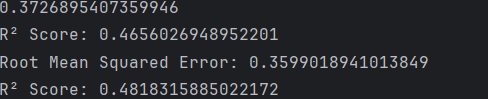
Continuous

Classification

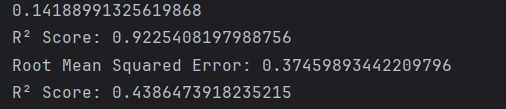


* Highest risk

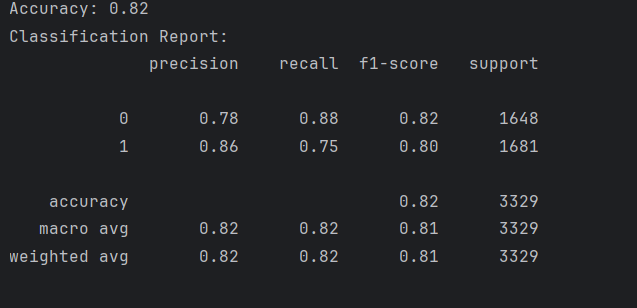
Linear regression

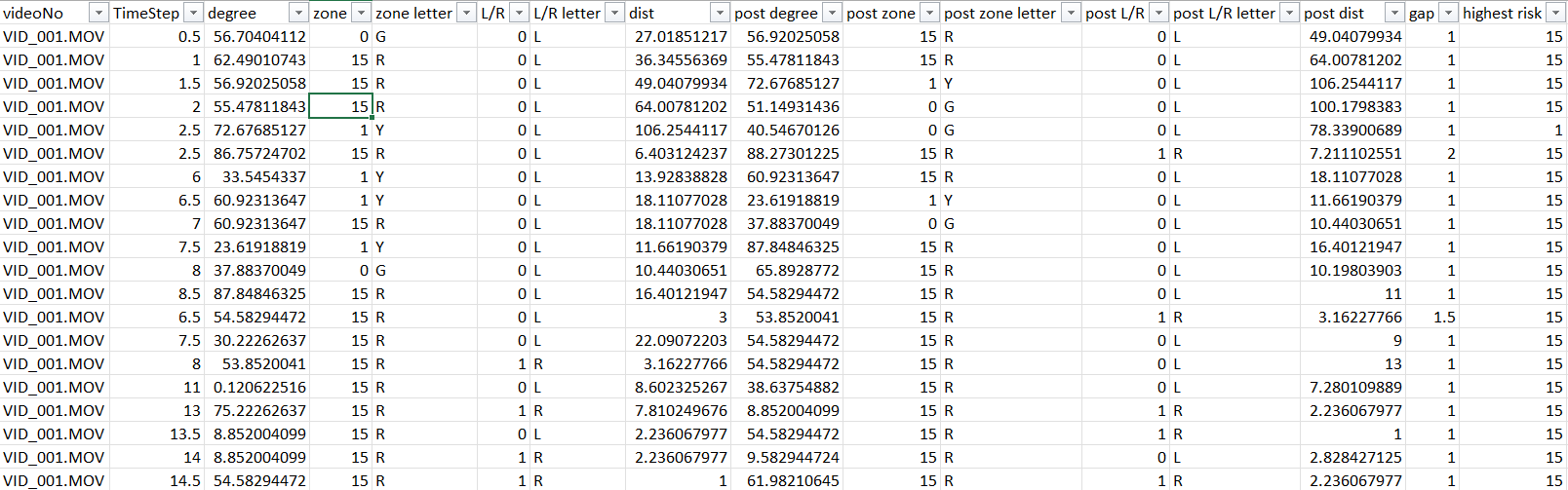


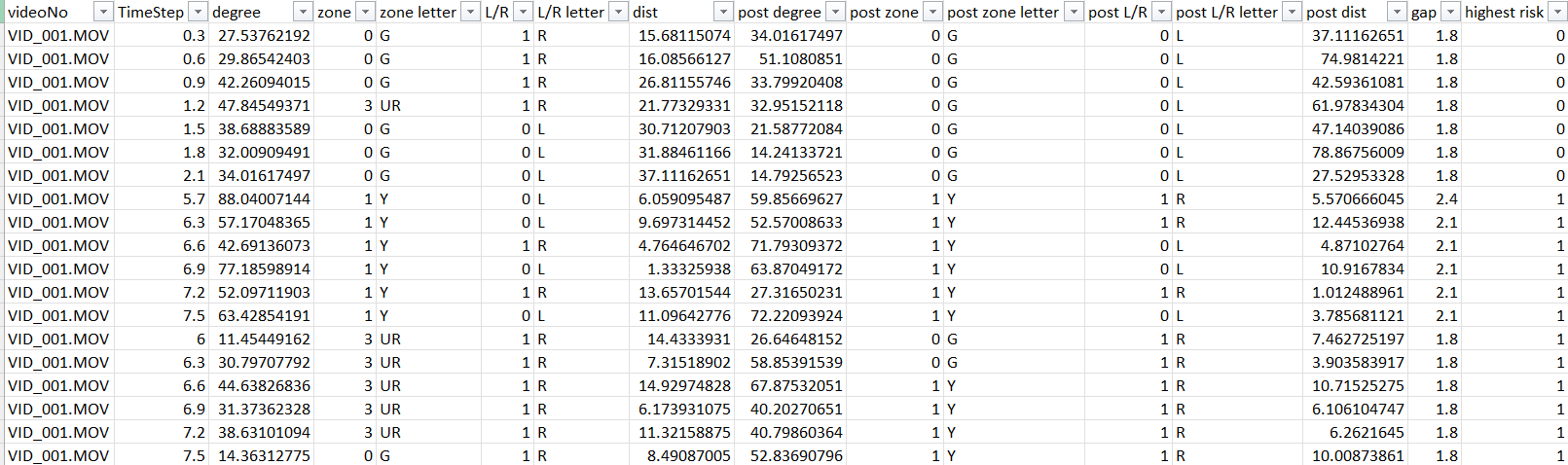
Random forest



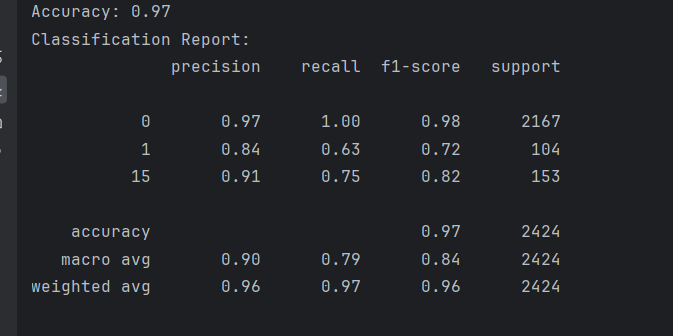
Classification



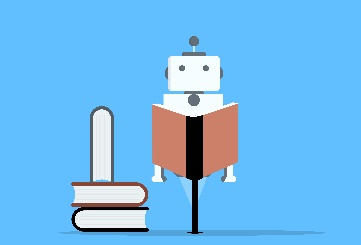




Highest risk 1 sec gap and new algorithm

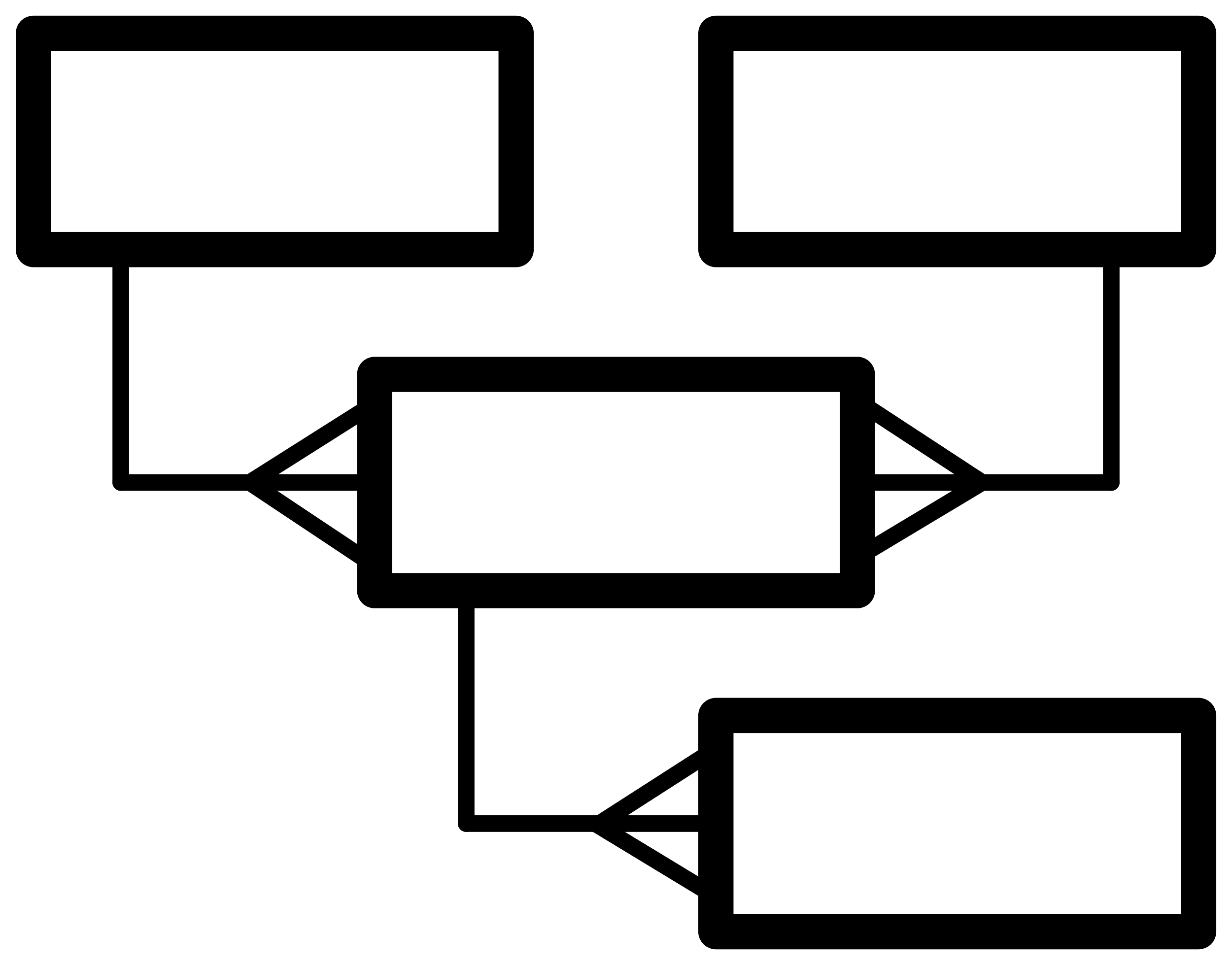








Risk determine

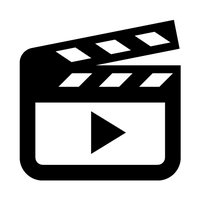


Pre-process

(find trajectory)

Alert

Machine learning model



Input (video)