Feature Importance Values - XGBoost Most Important Features - XGBoost learning learning pooling pooling: AbnormalHeartbeat bidirectional 0.769 0.601 AbnormalHeartbeat - 0.220 0.323 0.276 size rate rate max learning learning learning num learning Adiac -Adiac - 0.249 0.599 0.542 0.430 0.609 rate filters rate rate rate pooling: learning num num num ArrowHead -ArrowHead 0.383 0.617 0.630 0.327 0.544 filters rate layers layers max pooling: activation: learning learning learning Beef-0.442 0.597 Beef-0.596 0.600 0.385 rate sigmoid rate rate max - 0.8 learning num pooling: num num BeetleFly-BeetleFly-0.232 0.569 0.454 0.460 0.425 layers layers rate layers max activation: learning dropout num learning BinaryHeartbeat -BinaryHeartbeat - 0.239 0.679 0.521 0.380 0.481 rate tanh rate rate layers pooling: activation: learning learning num BirdChicken -BirdChicken -0.662 0.697 0.453 0.366 0.835 sigmoid rate layers rate max learning learning learning learning num CBF-CBF-0.374 0.368 0.512 0.713 0.761 rate rate rate rate layers Feature Importance learning pooling: num num Car-Car- 0.252 0.567 0.673 0.343 0.547 rate max filters layers layers learning learning activation: num learning CatsDogs -CatsDogs - 0.270 0.349 0.323 0.563 0.564 **Dataset** sigmoid layers rate rate rate pooling: learning learning num num ChlorineConcentration - 0.179 ChlorineConcentration -0.775 0.377 0.452 0.509 rate rate layers layers max learning activation: num learning num CinCECGTorso -CinCECGTorso -0.514 0.495 0.650 0.641 0.383 layers sigmoid rate rate layers pooling num learning learning learning CounterMovementJump -CounterMovementJump -0.546 0.238 0.471 0.523 0.401 size rate rate rate layers learning pooling num learning pooling: DucksAndGeese-DucksAndGeese-0.391 0.471 0.692 0.454 0.669 rate size layers rate max learning activation: num learning num EigenWorms -EigenWorms-0.303 0.761 0.618 0.587 0.434 layers relu rate layers rate num learning pooling: - 0.3 num num FaultDetectionB -FaultDetectionB-0.752 0.587 0.398 0.570 0.566 layers filters layers rate max learning learning learning learning activation: FiftyWords -FiftyWords -0.507 0.286 0.714 0.703 0.620 sigmoid rate rate rate rate pooling: activation: num num learning HouseTwenty -HouseTwenty-0.298 0.417 0.618 0.607 0.843 - 0.2 layers tanh layers rate max learning learning pooling: learning num KeplerLightCurves -KeplerLightCurves -0.599 0.510 0.859 0.552 0.414 rate rate rate layers max learning learning num num num RightWhaleCalls -RightWhaleCalls - 0.141 0.218 0.747 0.878 0.425 filters rate layers rate layers pooling: num learning num num classification ozone-0.551 classification ozone-0.300 0.457 0.311 0.481 layers layers max layers rate FCNN GRIJ Chip Chin GRIJ Model Model

Dataset

- 0.7