

Table 4: In the following table, we briefly summarize the features selected by the φ_{corr} and $\varphi_{vif} \circ \varphi_{corr}$ which performed well under all conditions.

Selected Features		
Classification (difficulty)	φ_{corr}^d	hbf49-01-side-ratio, hbf49-05-norm-first-to-last-vector, hbf49-06-cosine-flvector, hbf49-08-closure, hbf49-11-inflexion-x, hbf49-16-trajectory-length, hbf49-17-ratio-bb-length, hbf49-18-deviation, hbf49-19-avg-direction, hbf49-21-perpendicularity, hbf49-22-kperpendicularity, hbf49-24-dominant-direction, hbf49-25-dominant-direction, hbf49-26-dominant-direction, hbf49-27-dominant-direction, hbf49-28-local-changes-direction, hbf49-29-local-changes-direction, hbf49-32-2dhistogram, hbf49-33-2dhistogram, hbf49-38-2dhistogram, hbf49-43-hu-moment, hbf49-44-hu-moment, hbf49-49-compactness, markus-02-length, markus-03-area, markus-04-perimeter-length, markus-09-rectangularity, markus-10-closure, markus-11-curvature, markus-12-perpendicularity, rubine-05-distance-first-last-point, rubine-06-cosine-first-last-point, rubine-08-total-length, willems-01-trajectory-length, willems-11-pen-up-down-ratio, willems-12-average-direction, willems-13-perpendicularity, willems-14-average-perpendicularity, willems-15-deviation-perpendicularity, willems-25-average-velocity, willems-28-average-acceleration, willems-41-deviation-straight-line, willems-45-octant-sample-ratio, willems-47-octant-sample-ratio, willems-49-octant-sample-ratio, willems-59-distance-first-to-last, willems-62-absolute-curvature, willems-67-ratio-principal-axes, willems-68-average-centroidal-radius, willems-74-sin-chain-code, willems-78-cos-chain-code, willems-88-average-stroke-direction
	$\varphi_{vif} \circ \varphi_{corr}^d$ (TMT)	hbf49-11-inflexion-x, hbf49-44-hu-moment, hbf49-49-compactness, rubine-06-cosine-first-last-point, willems-11-pen-up-down-ratio, willems-28-average-acceleration, willems-49-octant-sample-ratio, willems-62-absolute-curvature, willems-74-sin-chain-code, willems-78-cos-chain-code, willems-88-average-stroke-direction
	$\varphi_{vif} \circ \varphi_{corr}^d$ (SON)	hbf49-11-inflexion-x, hbf49-22-kperpendicularity, hbf49-43-hu-moment, hbf49-49-compactness, rubine-06-cosine-first-last-point, willems-11-pen-up-down-ratio, willems-28-average-acceleration, willems-45-octant-sample-ratio, willems-74-sin-chain-code, willems-78-cos-chain-code, willems-88-average-stroke-direction
	$\varphi_{vif} \circ \varphi_{corr}^d$ (TMT+SON)	hbf49-11-inflexion-x, hbf49-18-deviation, hbf49-43-hu-moment, hbf49-49-compactness, rubine-06-cosine-first-last-point, willems-11-pen-up-down-ratio, willems-25-average-velocity, willems-28-average-acceleration, willems-49-octant-sample-ratio, willems-62-absolute-curvature, willems-74-sin-chain-code, willems-78-cos-chain-code, willems-88-average-stroke-direction
Regression (time)	φ_{corr}^{time}	avg-stroke-distance, avg-writing-speed, hbf49-01-side-ratio, hbf49-13-downstrokes-trajectory-proportion, hbf49-18-deviation, hbf49-19-avg-direction, hbf49-20-curvature, hbf49-21-perpendicularity, hbf49-24-dominant-direction, hbf49-25-dominant-direction, hbf49-26-dominant-direction, hbf49-28-local-changes-direction, hbf49-29-local-changes-direction, hbf49-33-2dhistogram, hbf49-34-2dhistogram, hbf49-35-2dhistogram, hbf49-38-2dhistogram, markus-11-curvature, markus-12-perpendicularity, rubine-09-total-angle-traversed, rubine-10-sum-of-absolute-angles, rubine-11-sum-of-squared-angles, willems-08-curvature, willems-11-pen-up-down-ratio, willems-12-average-direction, willems-13-perpendicularity, willems-14-average-perpendicularity, willems-15-deviation-perpendicularity, willems-16-centroid-offset, willems-21-maximum-angular-difference, willems-45-octant-sample-ratio, willems-47-octant-sample-ratio, willems-49-octant-sample-ratio, willems-50-octant-sample-ratio, willems-62-absolute-curvature, willems-72-sin-chain-code, willems-81-cos-chain-code, willems-83-cos-chain-code, willems-86-average-stroke-length, willems-87-standard-deviation-stroke-length, willems-88-average-stroke-direction
	$\varphi_{vif} \circ \varphi_{corr}^{time}$ (TMT)	avg-stroke-distance, avg-writing-speed, hbf49-13-downstrokes-trajectory-proportion, rubine-09-total-angle-traversed, rubine-11-sum-of-squared-angles, willems-11-pen-up-down-ratio, willems-16-centroid-offset, willems-49-octant-sample-ratio, willems-72-sin-chain-code, willems-81-cos-chain-code, willems-83-cos-chain-code, willems-87-standard-deviation-stroke-length, willems-88-average-stroke-direction
	$\varphi_{vif} \circ \varphi_{corr}^{time}$ (SON)	hbf49-13-downstrokes-trajectory-proportion, rubine-09-total-angle-traversed, rubine-11-sum-of-squared-angles, willems-11-pen-up-down-ratio, willems-16-centroid-offset, willems-49-octant-sample-ratio, willems-50-octant-sample-ratio, willems-72-sin-chain-code, willems-81-cos-chain-code, willems-83-cos-chain-code, willems-86-average-stroke-length, willems-87-standard-deviation-stroke-length
	$\varphi_{vif} \circ \varphi_{corr}^{time}$ (TMT+SON)	avg-stroke-distance, avg-writing-speed, hbf49-13-downstrokes-trajectory-proportion, hbf49-18-deviation, rubine-09-total-angle-traversed, rubine-11-sum-of-squared-angles, willems-11-pen-up-down-ratio, willems-16-centroid-offset, willems-45-octant-sample-ratio, willems-49-octant-sample-ratio, willems-50-octant-sample-ratio, willems-72-sin-chain-code, willems-81-cos-chain-code, willems-83-cos-chain-code, willems-87-standard-deviation-stroke-length, willems-88-average-stroke-direction