MLS	Dataset	PLS(AIC)	PLS(AICc)	PLS(BIC)	PLS(HQIC)	PLS(GMDL)
	abalone	**46.79**(3)	**46.79**(3)	**46.79**(3)	**46.79**(3)	**46.79**(3)
	airfoil_self_noise	**51.49**(2)	**51.49**(2)	**51.49**(2)	**51.49**(2)	61.59(5)
	auto_mpg	**19.46**(3)	**19.46**(3)	**19.46**(3)	**19.46**(3)	**19.46**(3)
	automobile	19.20(4)	19.20(4)	**18.43**(1)	19.20(4)	**18.43**(1)
	concrete_data	**39.08**(3)	**39.08**(3)	**39.08**(3)	**39.08**(3)	**39.08**(3)
	crime	**35.64**(3)	**35.64**(3)	**35.64**(3)	**35.64**(3)	**35.64**(3)
	fertility	**102.98**(3)	**102.98**(3)	**102.98**(3)	**102.98**(3)	**102.98**(3)
Ridge	flow	**65.13**(3)	**65.13**(3)	**65.13**(3)	**65.13**(3)	**65.13**(3)
	forest	**100.40**(3)	**100.40**(3)	**100.40**(3)	**100.40**(3)	**100.40**(3)
	qsar	**43.05**(3)	**43.05**(3)	**43.05**(3)	**43.05**(3)	**43.05**(3)
	servo	**60.28**(3)	**60.28**(3)	**60.28**(3)	**60.28**(3)	**60.28**(3)
	slump	**85.53**(2)	**85.53**(2)	**85.53**(2)	**85.53**(2)	85.94(5)
	traffic	**43.80**(2)	**43.80**(2)	**43.80**(2)	**43.80**(2)	44.95(5)
	wine_red	**65.64**(3)	**65.64**(3)	**65.64**(3)	**65.64**(3)	**65.64**(3)
	wine_white	**73.94**(3)	**73.94**(3)	**73.94**(3)	**73.94**(3)	**73.94**(3)
Avg. Rank		(2.97)	(2.97)	(**2.80**)	(2.97)	(3.30)
	abalone	**43.59**(2)	**43.59**(2)	**43.59**(2)	**43.59**(2)	53.68(5)
	airfoil_self_noise	**90.88**(3)	**90.88**(3)	**90.88**(3)	**90.88**(3)	**90.88**(3)
	auto_mpg	**99.36**(3)	**99.36**(3)	**99.36**(3)	**99.36**(3)	**99.36**(3)
	automobile	**73.87**(3)	**73.87**(3)	**73.87**(3)	**73.87**(3)	**73.87**(3)
	concrete_data	**83.37**(3)	**83.37**(3)	**83.37**(3)	**83.37**(3)	**83.37**(3)
	crime	54.23(3)	**51.79**(1)	58.51(4)	52.41(2)	58.51(4)
	fertility	113.93(3)	118.76(5)	**108.11**(1)	113.93(3)	**108.11**(1)
SVR	flow	**88.70**(2)	**88.70**(2)	93.03(4)	**88.70**(2)	98.99(5)
	forest	**100.67**(3)	**100.67**(3)	**100.67**(3)	**100.67**(3)	**100.67**(3)
	qsar	38.58(3)	**37.45**(1)	38.58(3)	38.58(3)	38.58(3)
	servo	27.00(4)	27.00(4)	26.88(2)	27.00(4)	**21.37**(1)
	slump	**92.39**(3)	**92.39**(3)	**92.39**(3)	**92.39**(3)	**92.39**(3)
	traffic	71.17(2)	71.21(4)	71.17(2)	73.76(5)	**70.81**(1)
	wine_red	75.57(3)	**73.40**(1)	75.57(3)	75.57(3)	75.57(3)
	wine_white	**72.53**(3)	**72.53**(3)	**72.53**(3)	**72.53**(3)	**72.53**(3)
Avg. Rank		(3.03)	(**2.77**)	(3.00)	(3.13)	(3.07)
	abalone	**50.52**(2)	**50.52**(2)	**50.52**(2)	**50.52**(2)	53.73(5)
	airfoil_self_noise	30.31(2)	**30.11**(1)	33.18(4)	30.31(2)	48.43(5)
	auto_mpg	**14.27**(2)	**14.27**(2)	14.43(4)	**14.27**(2)	16.61(5)
	automobile	**18.02**(1)	18.99(4)	18.66(3)	18.99(4)	18.56(2)
	concrete_data	18.99(3)	18.15(2)	18.99(3)	**18.09**(1)	25.94(5)
	crime	**39.72**(2)	**39.72**(2)	40.97(4)	**39.72**(2)	44.94(5)
	fertility	101.88(4)	98.88(3)	98.06(2)	101.88(4)	**93.11**(1)
RFR	flow	80.35(3)	80.35(3)	80.35(3)	80.35(3)	**73.98**(1)
	forest	**106.27**(3)	**106.27**(3)	**106.27**(3)	**106.27**(3)	**106.27**(3)
	qsar	44.60(2)	**43.38**(1)	47.78(4)	44.60(2)	51.60(5)
	servo	19.81(2)	21.83(5)	19.81(2)	21.12(4)	**19.75**(1)
	slump	98.40(3)	113.09(5)	93.37(2)	109.98(4)	**80.57**(1)
	traffic	55.17(4)	55.17(4)	**50.89**(1)	55.17(4)	**50.89**(1)
	wine_red	64.25(2)	**61.61**(1)	68.54(4)	64.25(2)	68.54(4)
	wine_white	71.12(3)	**67.92**(1)	76.03(4)	**67.92**(1)	76.03(4)
Avg. Rank		(2.80)	(**2.73**)	(3.23)	(2.93)	(3.30)
Mean Rank		(2.93)	(**2.82**)	(3.01)	(3.01)	(3.22)

Table 18: The 3-fold cross validation relative mean squared error and Friedman ranks for all the datasets when PLS, using several stop criteria (AIC, AICc, BIC, HQIC and GMDL), taking into account some baseline systems (Ridge, SVR and RFR) and the PSO sampling strategy.