Table 1: Equal-Weighted Regression and Performance Metrics for Models with Predictors E_pred_rw and COMP_MED_EXT

Model	Alpha Values				Performance Metrics		
	α_{ew}^{CAPM}	α_{ew}^{FF3}	$\alpha_{ew}^{Carhart}$	α_{ew}^{FF5}	Return	Sharpe	Drawdown
E_pred_ols	-0.00284*	-0.00245*	-0.00253*	-0.00156*	0.0140	0.225	-0.288
E_pred_ridge	-0.00240*	-0.00210*	-0.00224*	-0.00118	0.0187	0.313	-0.164
E_pred_lasso	-0.00279*	-0.00254*	-0.00271*	-0.00162*	0.0140	0.228	-0.299
E_pred_ann_bagging	-0.00329*	-0.00306*	-0.00317*	-0.00341*	0.00846	0.153	-0.248
E_pred_catboost	-0.00356*	-0.00292*	-0.00338*	-0.00251*	-0.00215	-0.0342	-0.441
E_pred_gbf	-0.00367*	-0.00281*	-0.00322*	-0.00285*	-0.00259	-0.0335	-0.506
E_pred_lightgbm	-0.00451*	-0.00386*	-0.00458*	-0.00271	-0.00713	-0.0706	-0.690
E_pred_rf	-0.00319*	-0.00255*	-0.00244*	-0.00136	0.00996	0.0999	-0.398
E_pred_xgb	-0.00319*	-0.00244*	-0.00309*	-0.00163	0.00247	0.0325	-0.327
COMP_LR	-0.00262*	-0.00228*	-0.00237*	-0.00138*	0.0163	0.270	-0.247
COMP_NL	-0.00337*	-0.00275*	-0.00327*	-0.00184	0.00594	0.0660	-0.347
COMP_ML	-0.00337*	-0.00281*	-0.00329*	-0.00178	0.00610	0.0746	-0.429
COMP_MED_LR	-0.00263*	-0.00236*	-0.00247*	-0.00145*	0.0162	0.271	-0.295
COMP_MED_NL	-0.00357*	-0.00273*	-0.00355*	-0.00231*	-0.00187	-0.0243	-0.566
COMP_MED_ML	-0.00356*	-0.00275*	-0.00329*	-0.00191	0.00246	0.0318	-0.384

Note: * indicates statistical significance at the 5% level (p-value ¡ 0.05). All values are rounded to three significant figures.

Table 2: Value-Weighted Regression and Performance Metrics for Models with Predictors E_pred_rw and COMP_MED_EXT

Model	Alpha Values				Performance Metrics		
	α_{vw}^{CAPM}	α_{vw}^{FF3}	$\alpha_{vw}^{Carhart}$	α_{vw}^{FF5}	Return	Sharpe	Drawdown
E_pred_ols	-0.00343*	-0.00326*	-0.00303*	-0.00237*	0.00436	0.0733	-0.355
E_pred_ridge	-0.00287*	-0.00271*	-0.00257*	-0.00190*	0.0109	0.184	-0.257
E_pred_lasso	-0.00361*	-0.00342*	-0.00337*	-0.00255*	0.00326	0.0548	-0.440
E_pred_ann_bagging	-0.00393*	-0.00397*	-0.00422*	-0.00384*	-0.00304	-0.0520	-0.413
E_pred_catboost	-0.00309*	-0.00272*	-0.00352*	-0.00259*	0.00433	0.0682	-0.342
E_pred_gbf	-0.00259*	-0.00196*	-0.00294*	-0.00237*	0.0158	0.231	-0.335
E_pred_lightgbm	-0.00228*	-0.00197*	-0.00267*	-0.00202	0.0129	0.176	-0.239
E_pred_rf	-0.00359*	-0.00317*	-0.00370*	-0.00288*	0.00807	0.106	-0.404
E_pred_xgb	-0.00151	-0.000674	-0.00140	-0.000550	0.0220	0.289	-0.347
COMP_LR	-0.00301*	-0.00285*	-0.00271*	-0.00208*	0.00906	0.152	-0.286
COMP_NL	-0.00159	-0.00116	-0.00208*	-0.00150	0.0255	0.375	-0.271
COMP_ML	-0.00168	-0.00135	-0.00187*	-0.00127	0.0248	0.383	-0.176
COMP_MED_LR	-0.00297*	-0.00281*	-0.00264*	-0.00204*	0.00881	0.151	-0.170
COMP_MED_NL	-0.00301*	-0.00258*	-0.00366*	-0.00264*	0.00653	0.0972	-0.343
COMP_MED_ML	-0.00360*	-0.00324*	-0.00387*	-0.00306*	0.000405	0.00687	-0.371

Note: * indicates statistical significance at the 5% level (p-value ¡ 0.05). All values are rounded to three significant figures.