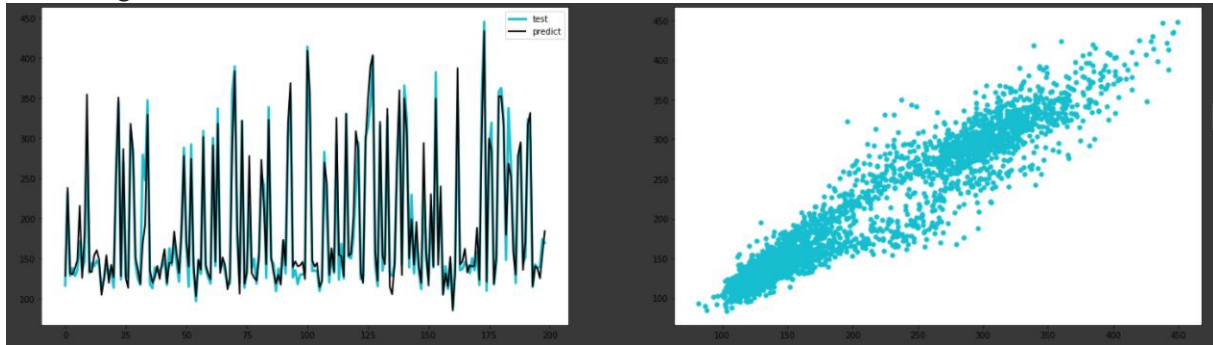


Visualization of the results of the IST – Energy Services project – electricity forecast.

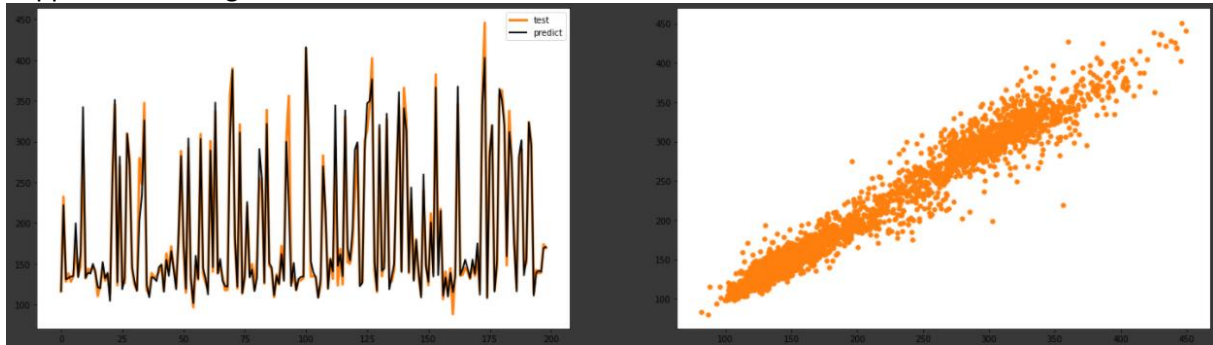
Left chart : forecast (predict) and the real (test) electricity demand

Right chart: correlation of those two signals (predict and test)

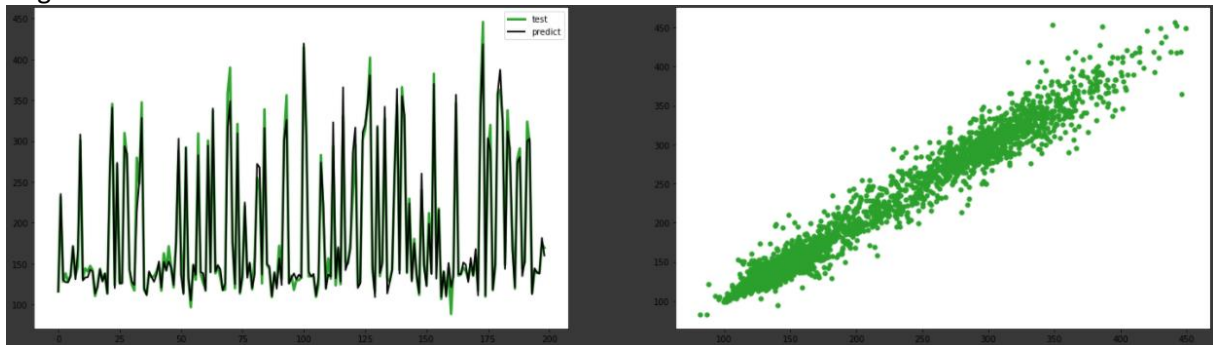
Linear Regression



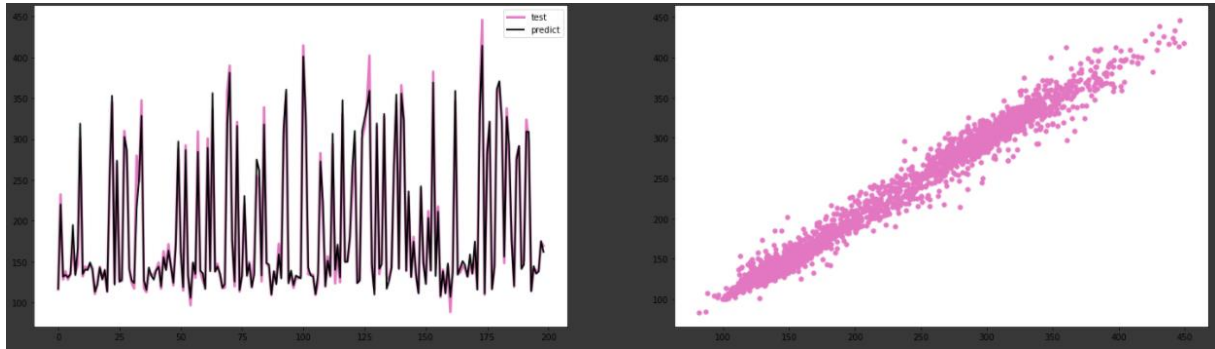
Support Vector Regression



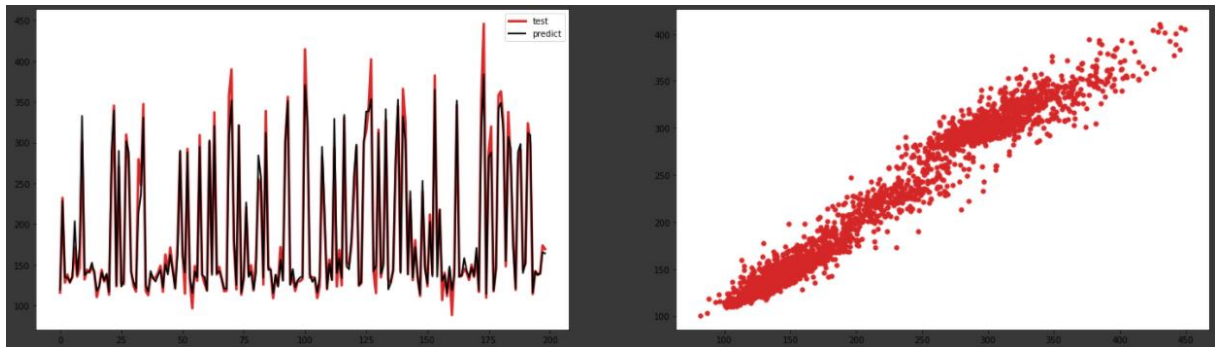
Regression Decision Tree



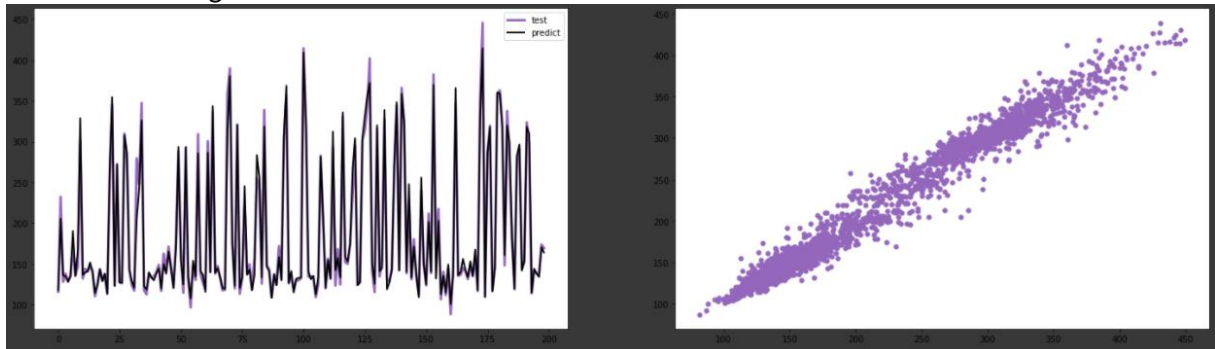
Random Forest



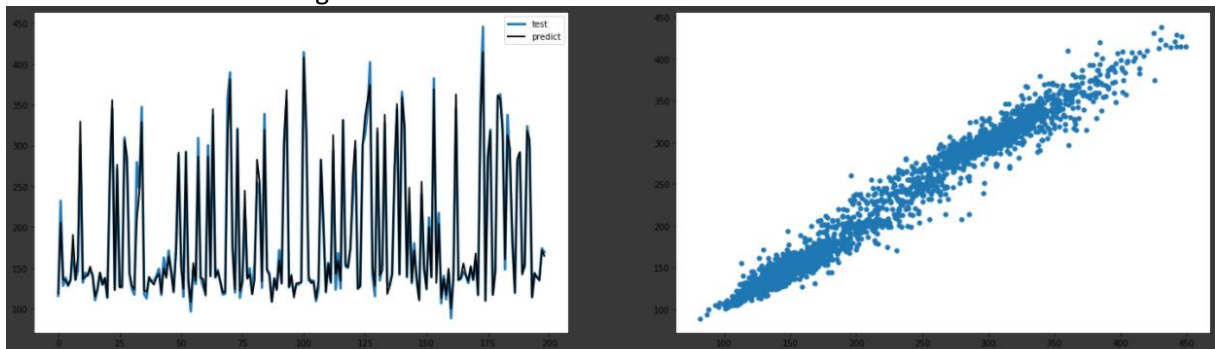
Random forest with uniformed data



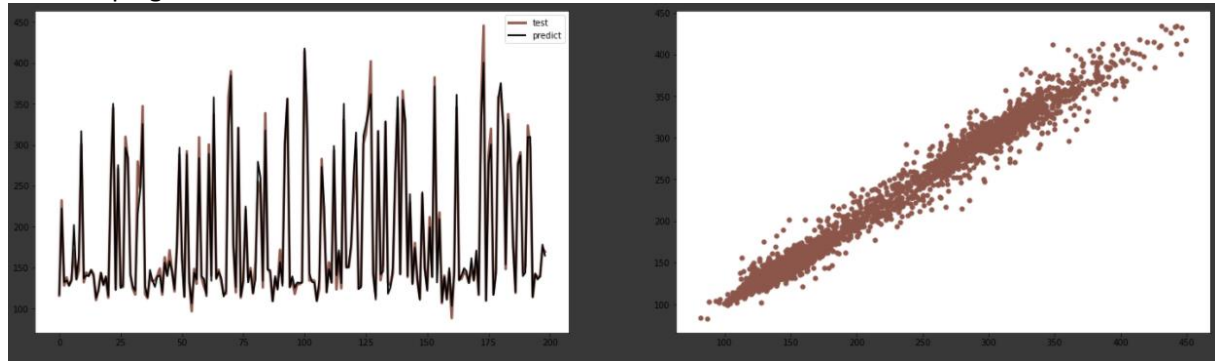
Gradient Boosting



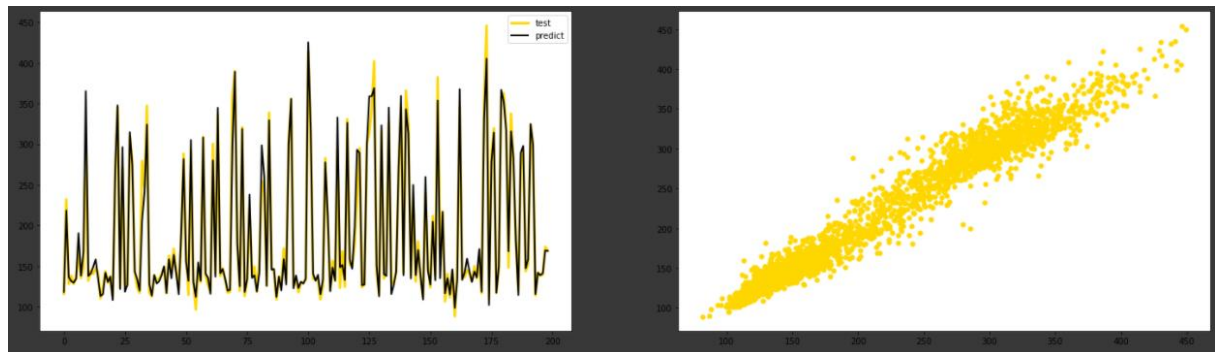
Extreme Gradient Boosting



Bootstrapping



Neural Network



Error metrics

	LR	SVR	DT	RF	RF uni	GB	XGB	BT	NN
MAE	14.629932	9.087456	8.160740	5.855625	8.212008	6.780506	6.842057	6.257421	8.906425
MSE	438.086652	193.199247	163.839984	86.099607	161.401585	111.089109	113.743488	97.769664	184.011706
RMSE	20.930520	13.899613	12.799999	9.278987	12.704392	10.539882	10.665059	9.887854	13.565091
cvRMSE	0.112272	0.074558	0.068660	0.049773	0.068147	0.056536	0.057208	0.053039	0.072764