Criterion	Splitter	R² Score
squared_error	best	0.8018016736
squared_error	random	0.7956533761
friedman_mse	random	0.7231174099
friedman_mse	best	0.8813594613
absolute_error	best	0.690923891
absolute_error	random	0.6280811143
poisson	random	0.7649316511
poisson	best	0.6614355789

Observation:

The best performing combination is friedman_mse + best splitter with an R² score of 0.8814.