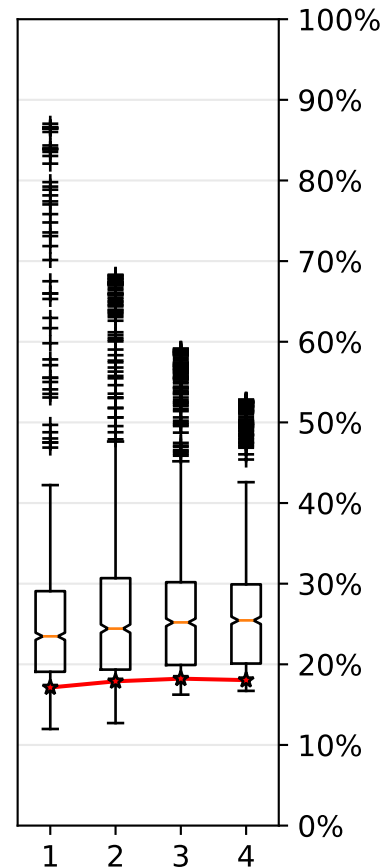
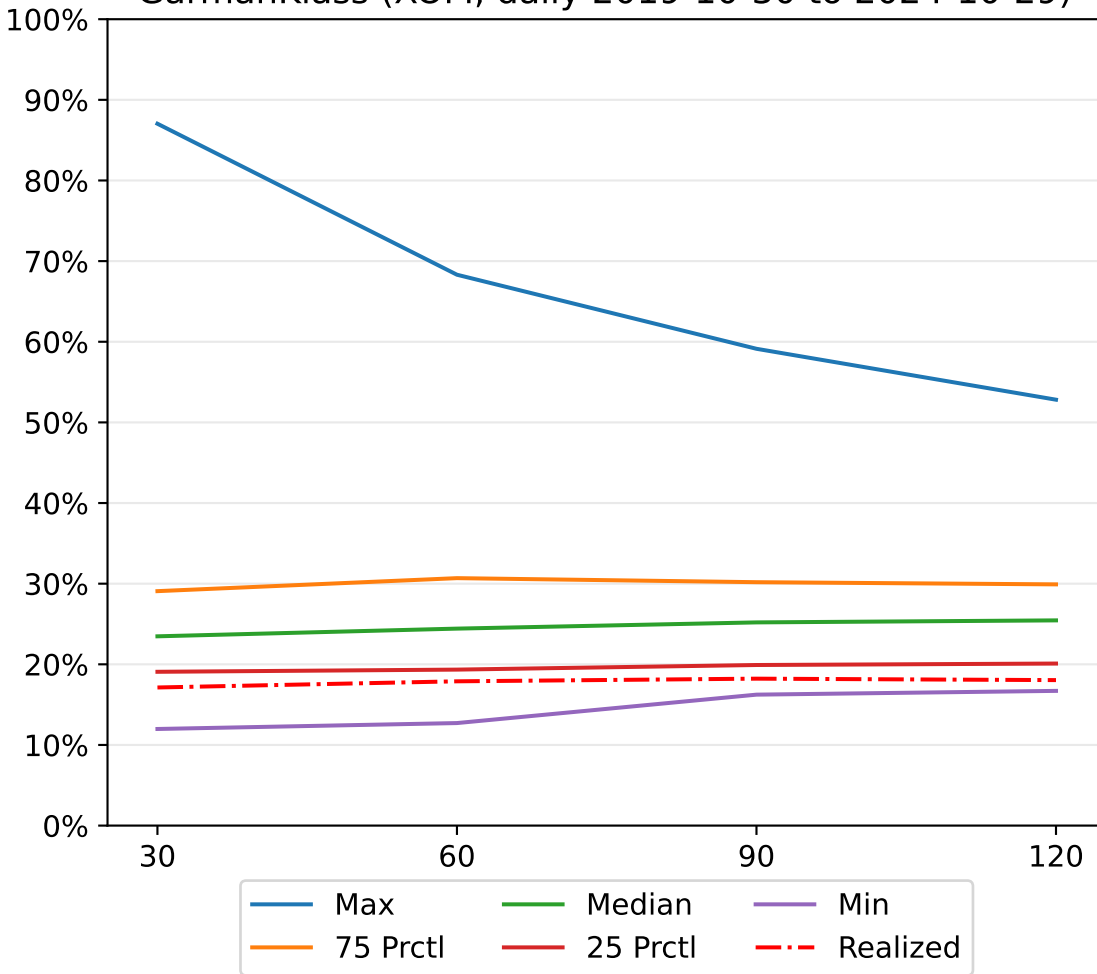
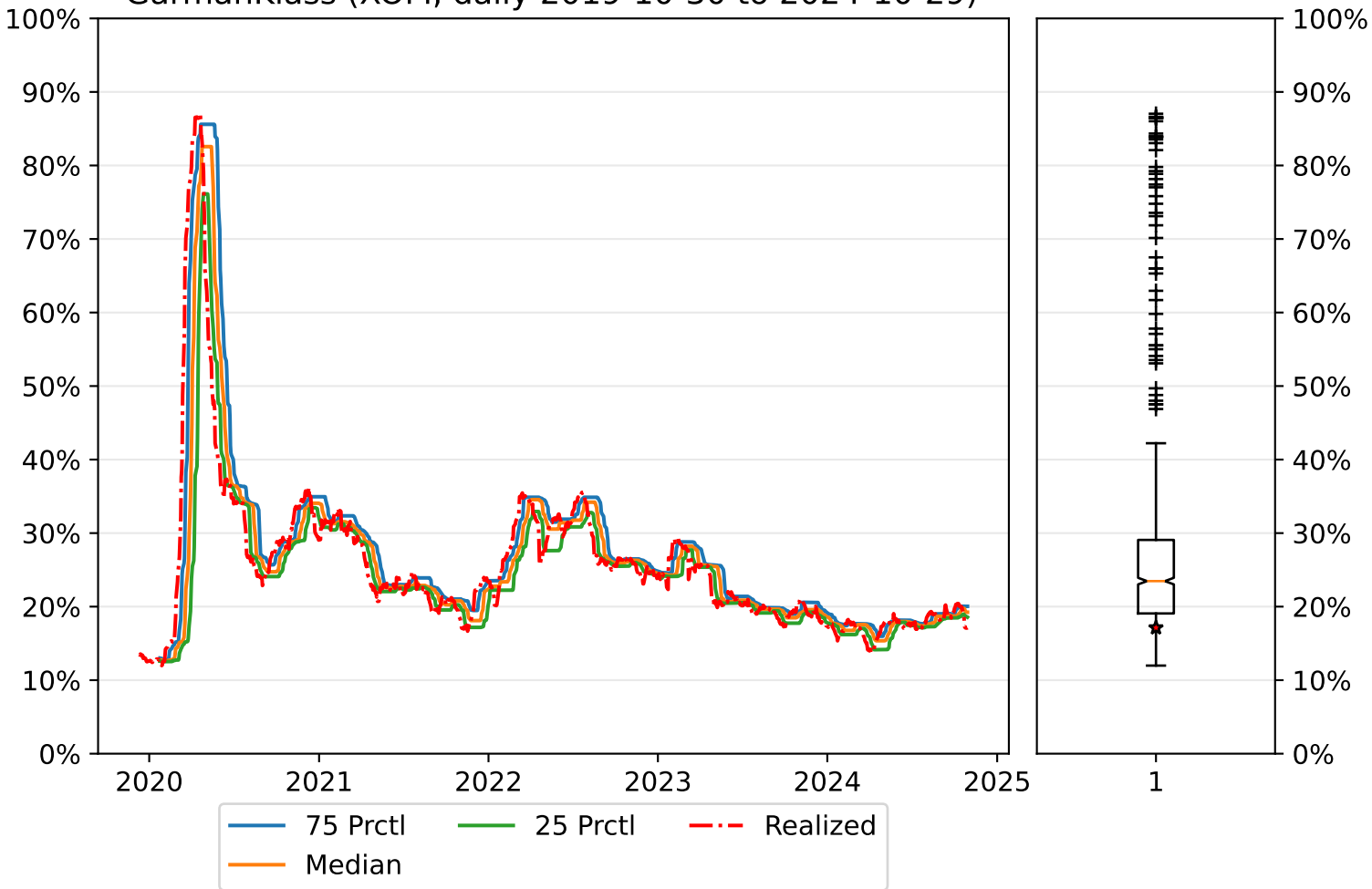


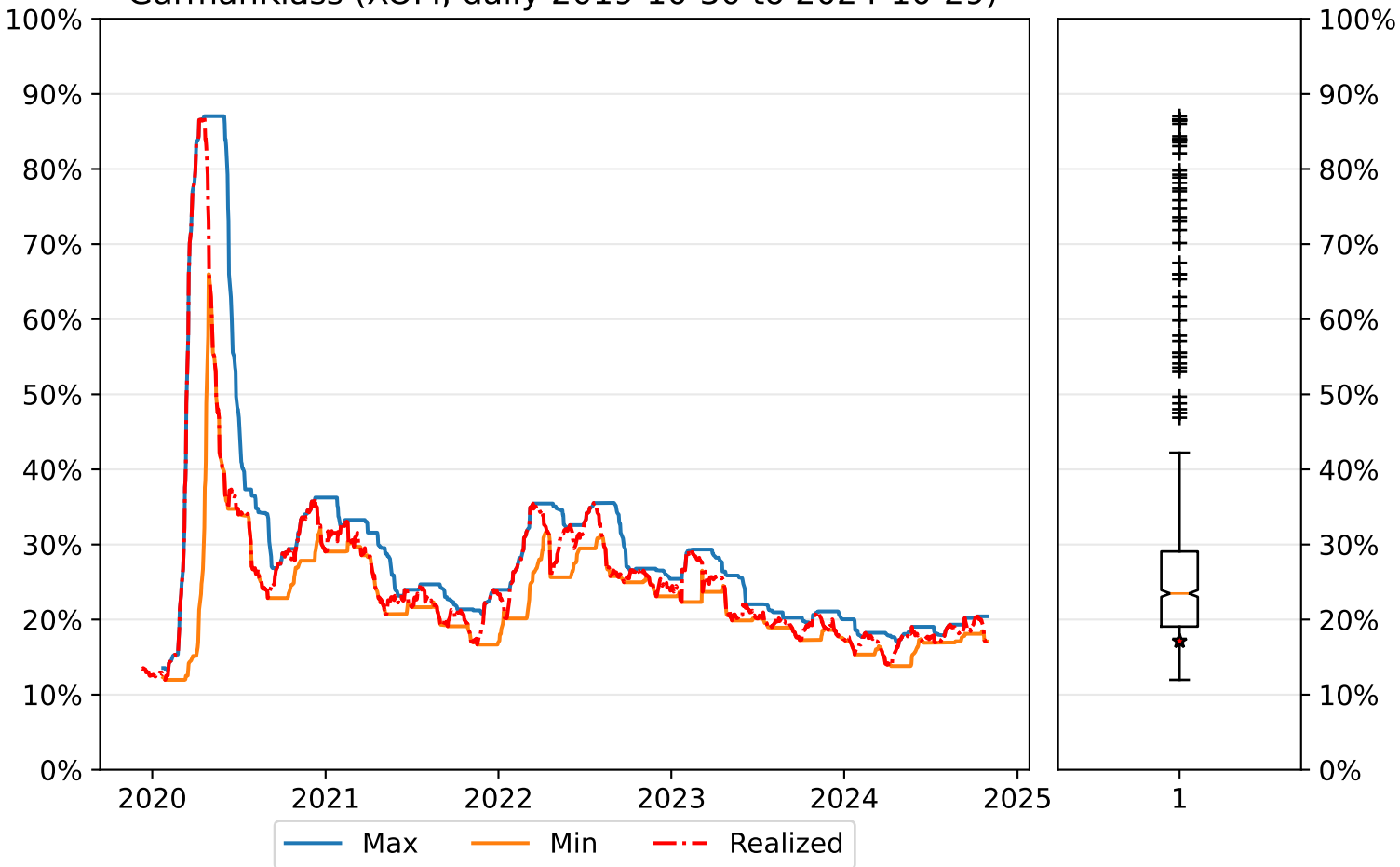
GarmanKlass (XOM, daily 2019-10-30 to 2024-10-29)



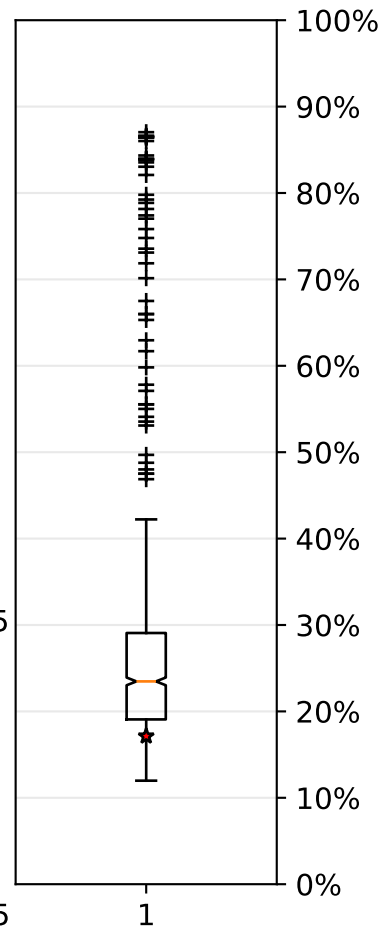
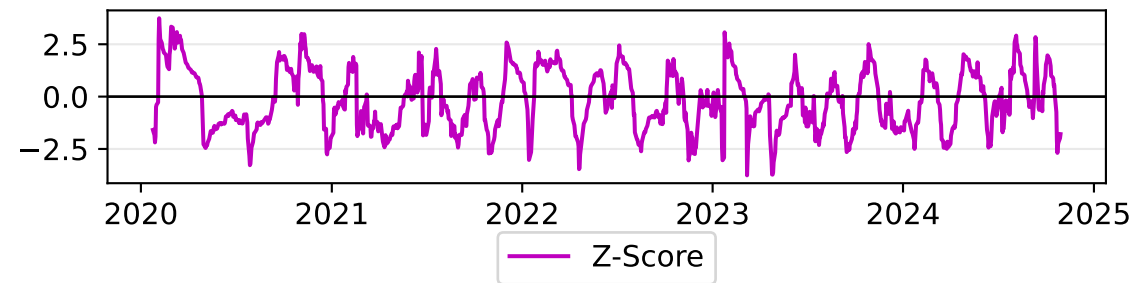
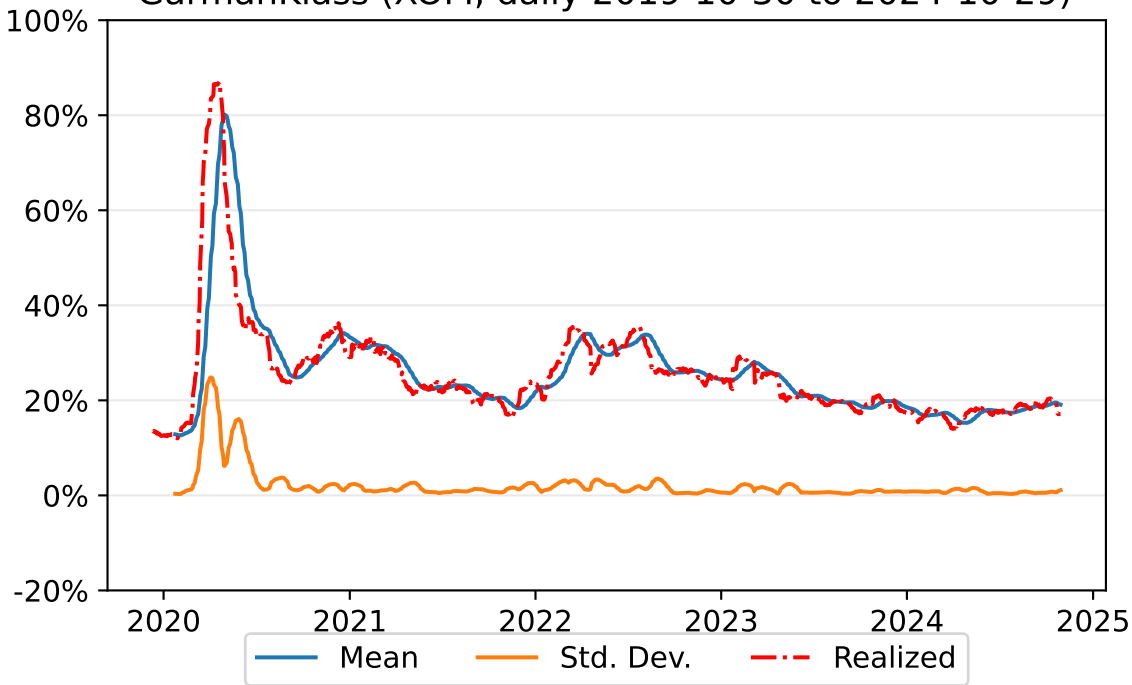
GarmanKlass (XOM, daily 2019-10-30 to 2024-10-29)



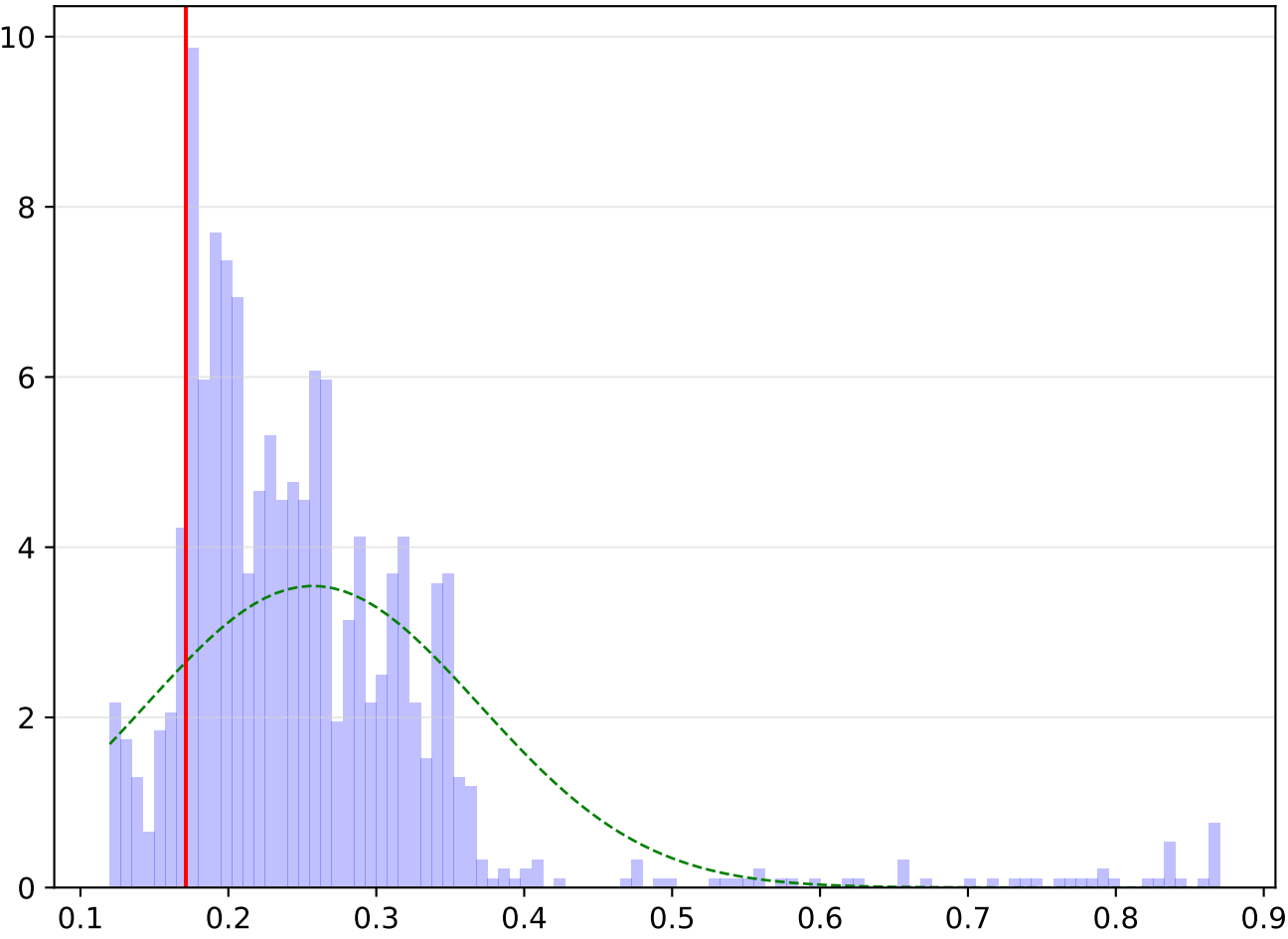
GarmanKlass (XOM, daily 2019-10-30 to 2024-10-29)



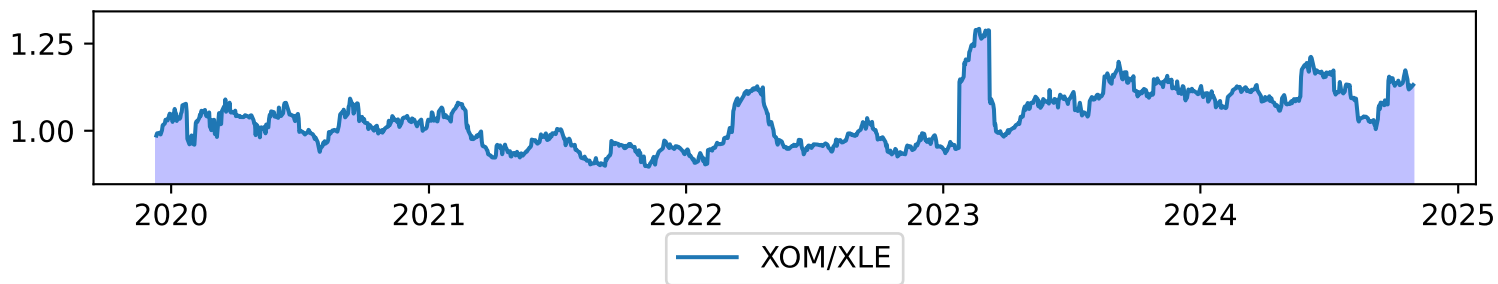
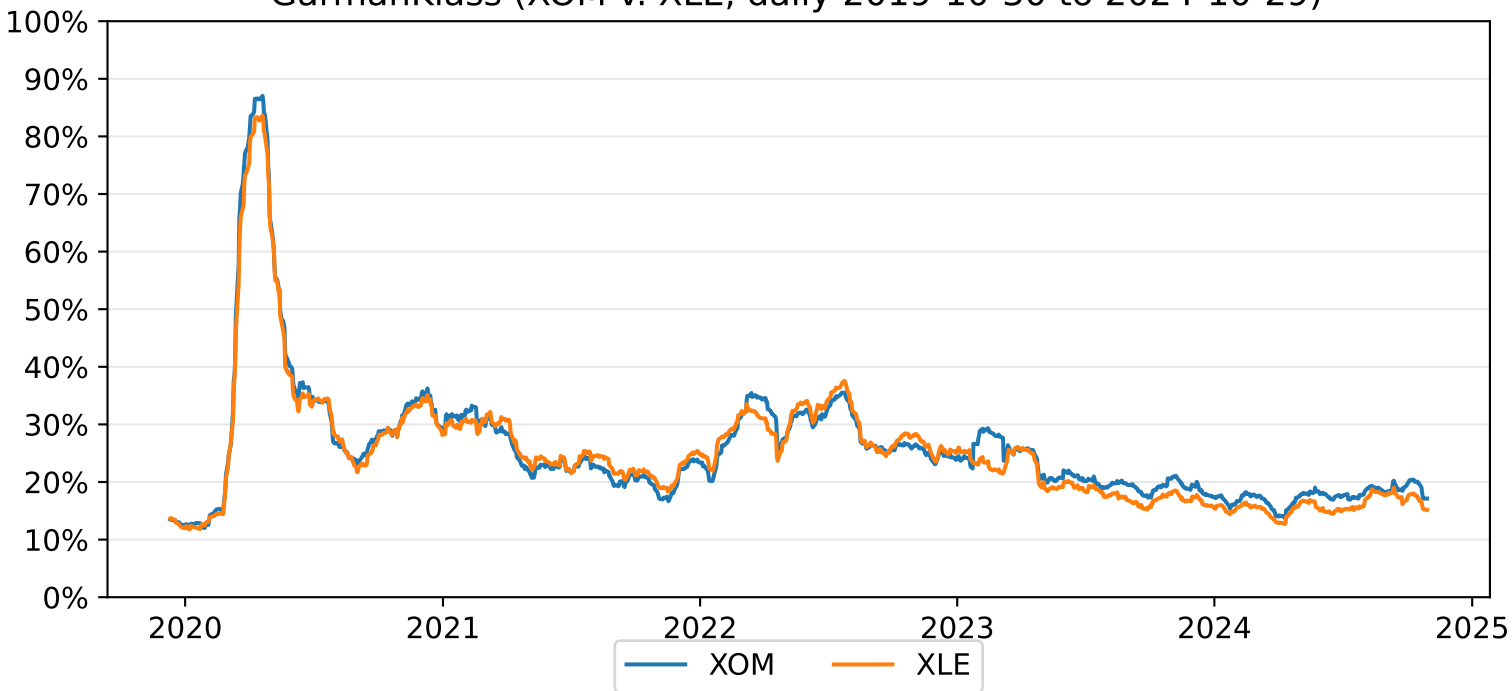
GarmanKlass (XOM, daily 2019-10-30 to 2024-10-29)

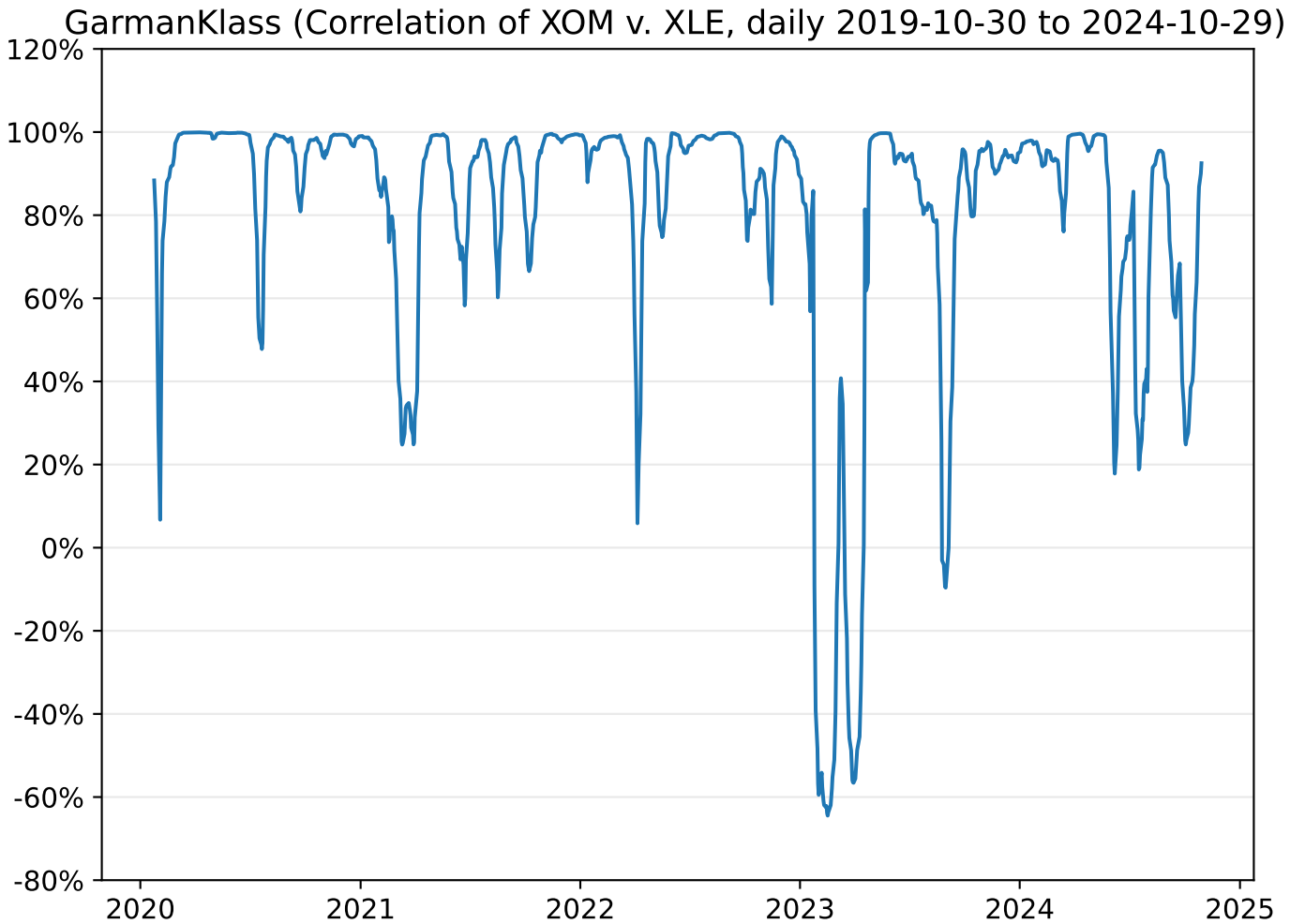


Distribution of GarmanKlass estimator values (XOM, daily 2019-10-30 to 2024-10-29)



GarmanKlass (XOM v. XLE, daily 2019-10-30 to 2024-10-29)





# OLS Regression Results

Dep. Variable:	y	R-squared (uncentered):	0.996
Model:	OLS	Adj. R-squared (uncentered):	0.996
Method:	Least Squares	F-statistic:	3.216e+05
Date:	Tue, 29 Oct 2024	Prob (F-statistic):	0.00
Time:	23:55:24	Log-Likelihood:	3241.9
No. Observations:	1229	AIC:	-6482.
Df Residuals:	1228	BIC:	-6477.
Df Model:	1		
Covariance Type:	nonrobust		

	coef	std err	t	P> t	[0.025	0.975]
x1	1.0207	0.002	567.096	0.000	1.017	1.024

Omnibus:	29.292	Durbin-Watson:	0.041
Prob(Omnibus):	0.000	Jarque-Bera (JB):	30.963
Skew:	0.389	Prob(JB):	1.89e-07
Kurtosis:	3.018	Cond. No.	1.00

## Notes:

- [1]  $R^2$  is computed without centering (uncentered) since the model does not contain a constant.
- [2] Standard Errors assume that the covariance matrix of the errors is correctly specified.