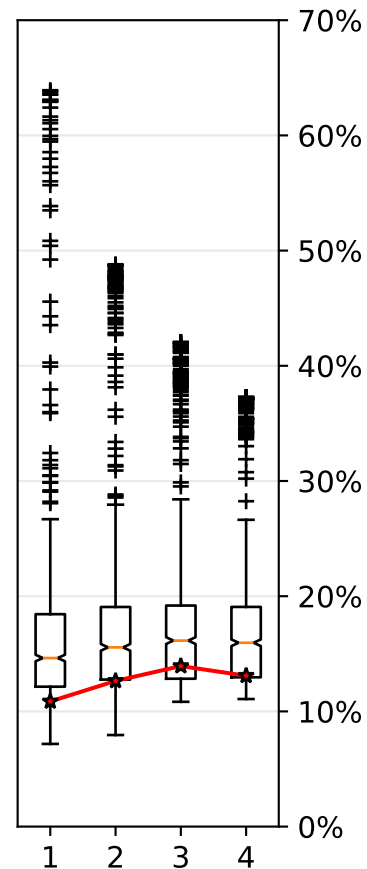
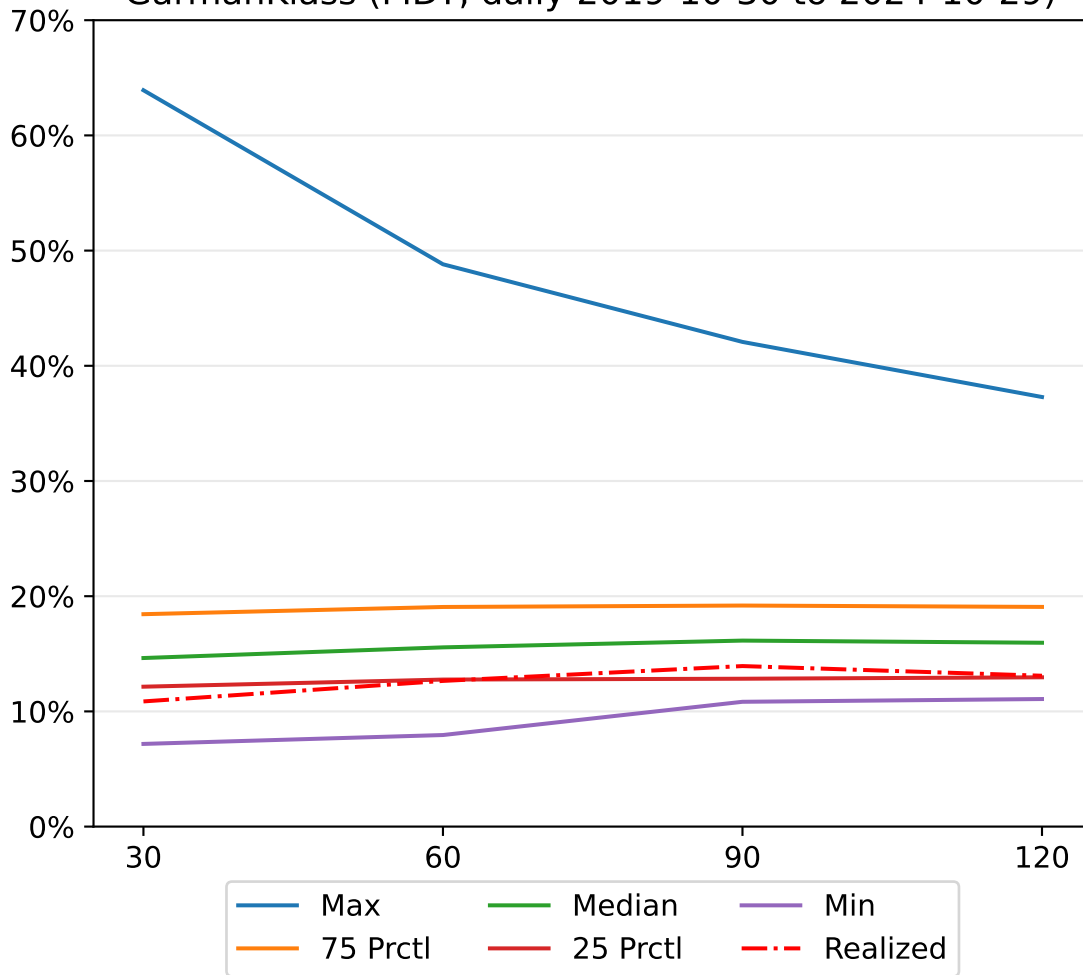
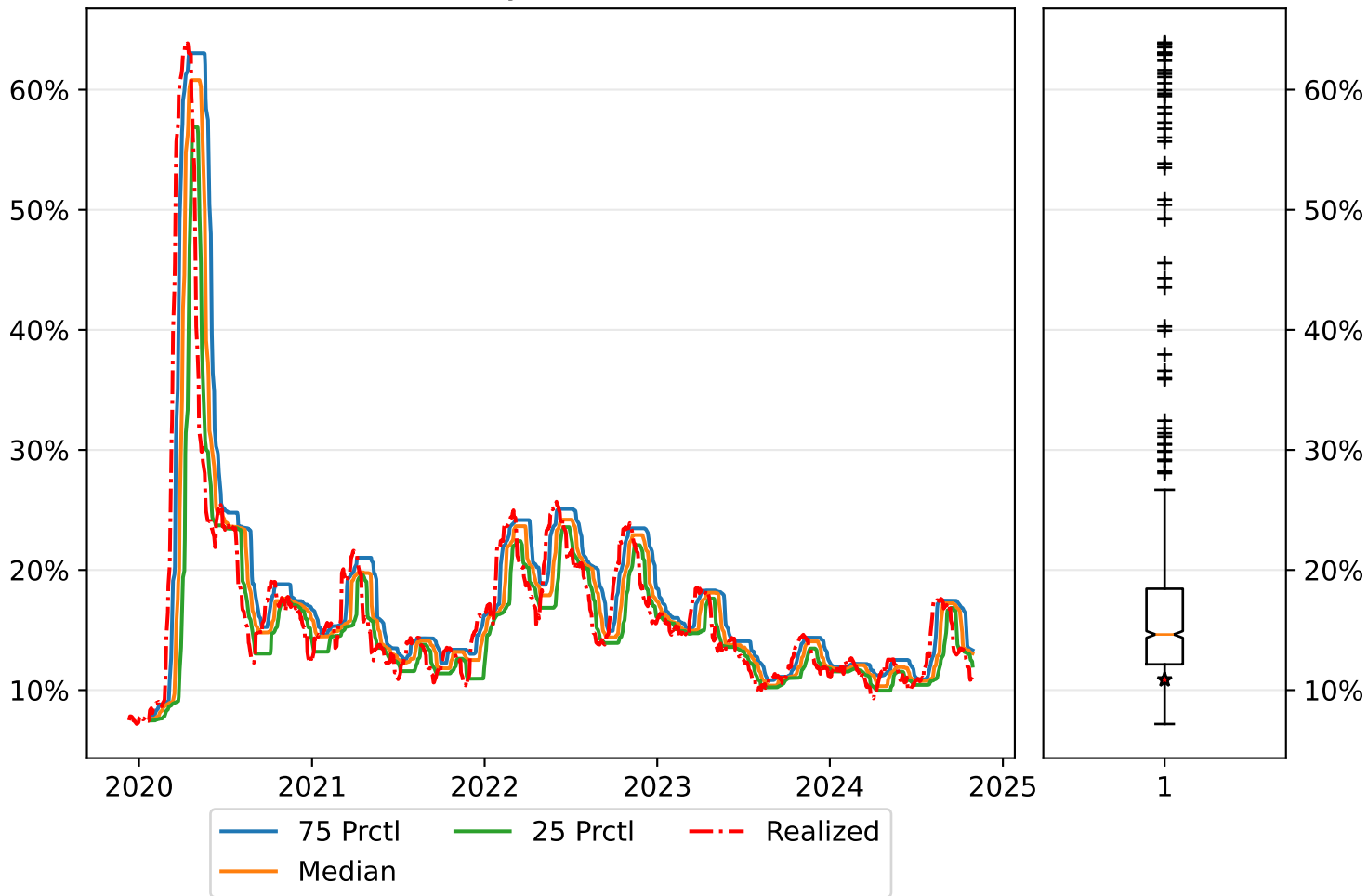


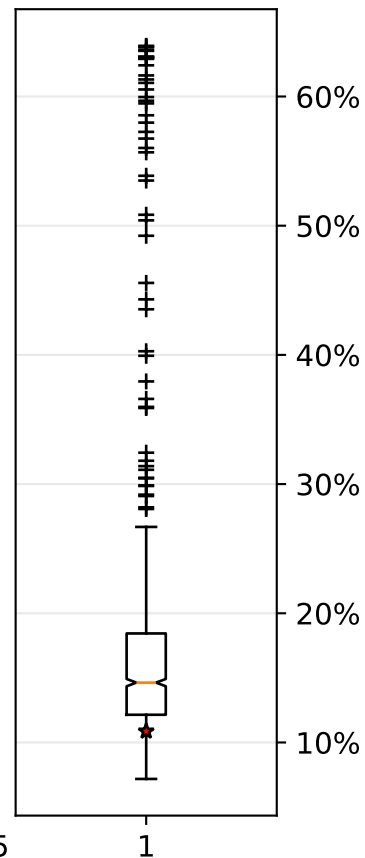
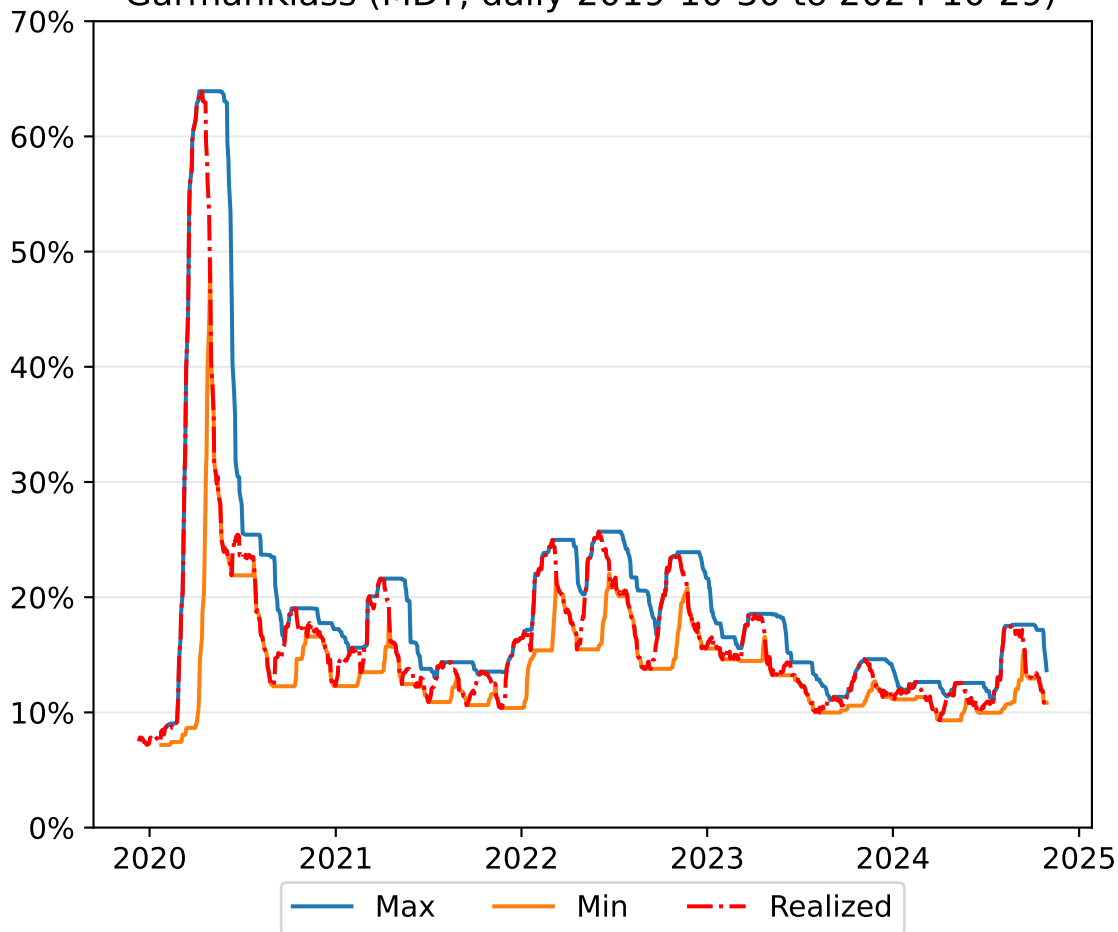
GarmanKlass (MDY, daily 2019-10-30 to 2024-10-29)



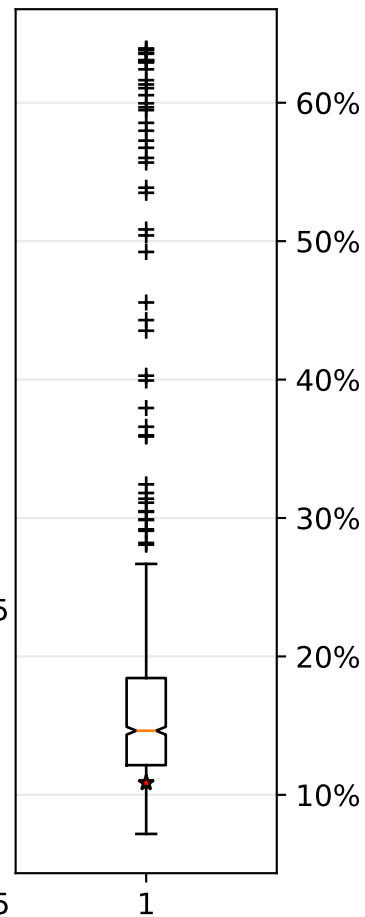
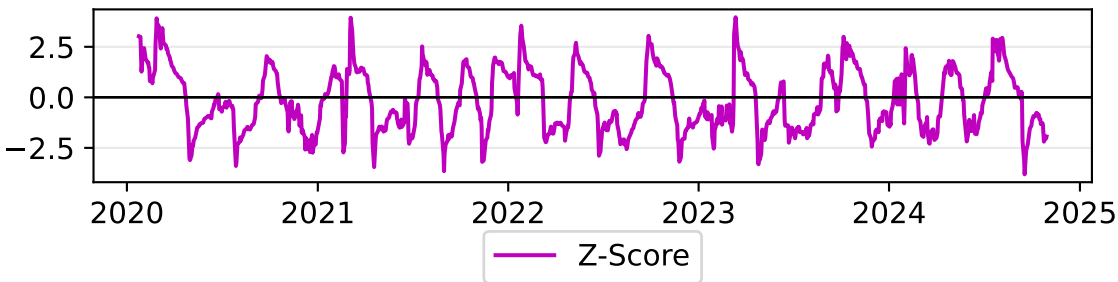
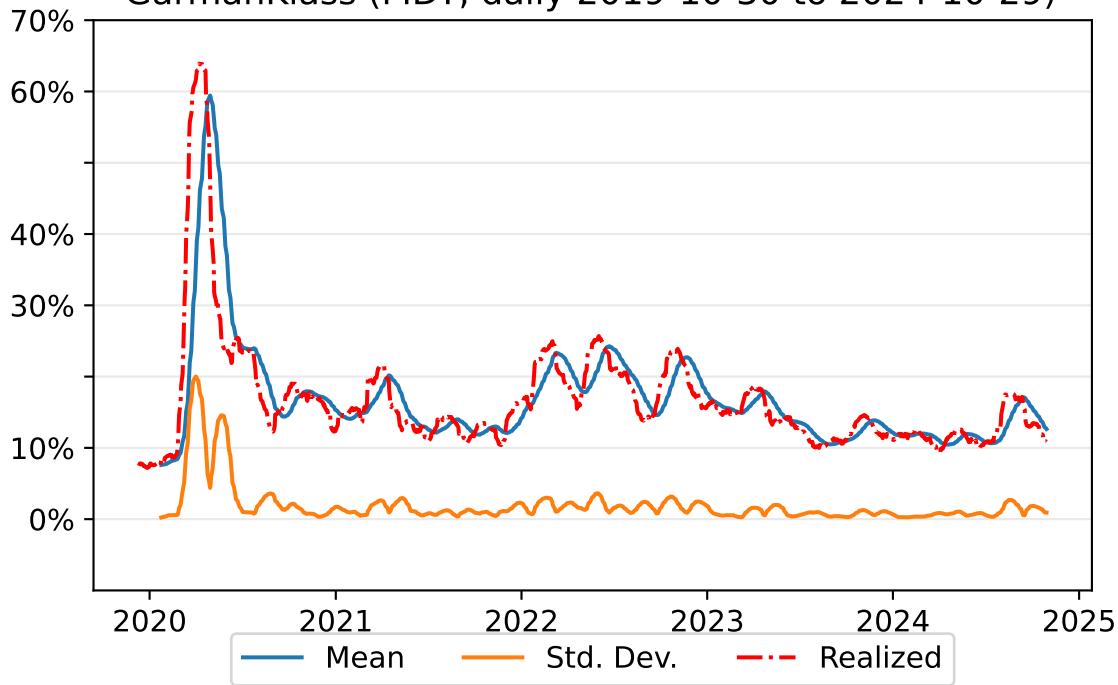
GarmanKlass (MDY, daily 2019-10-30 to 2024-10-29)



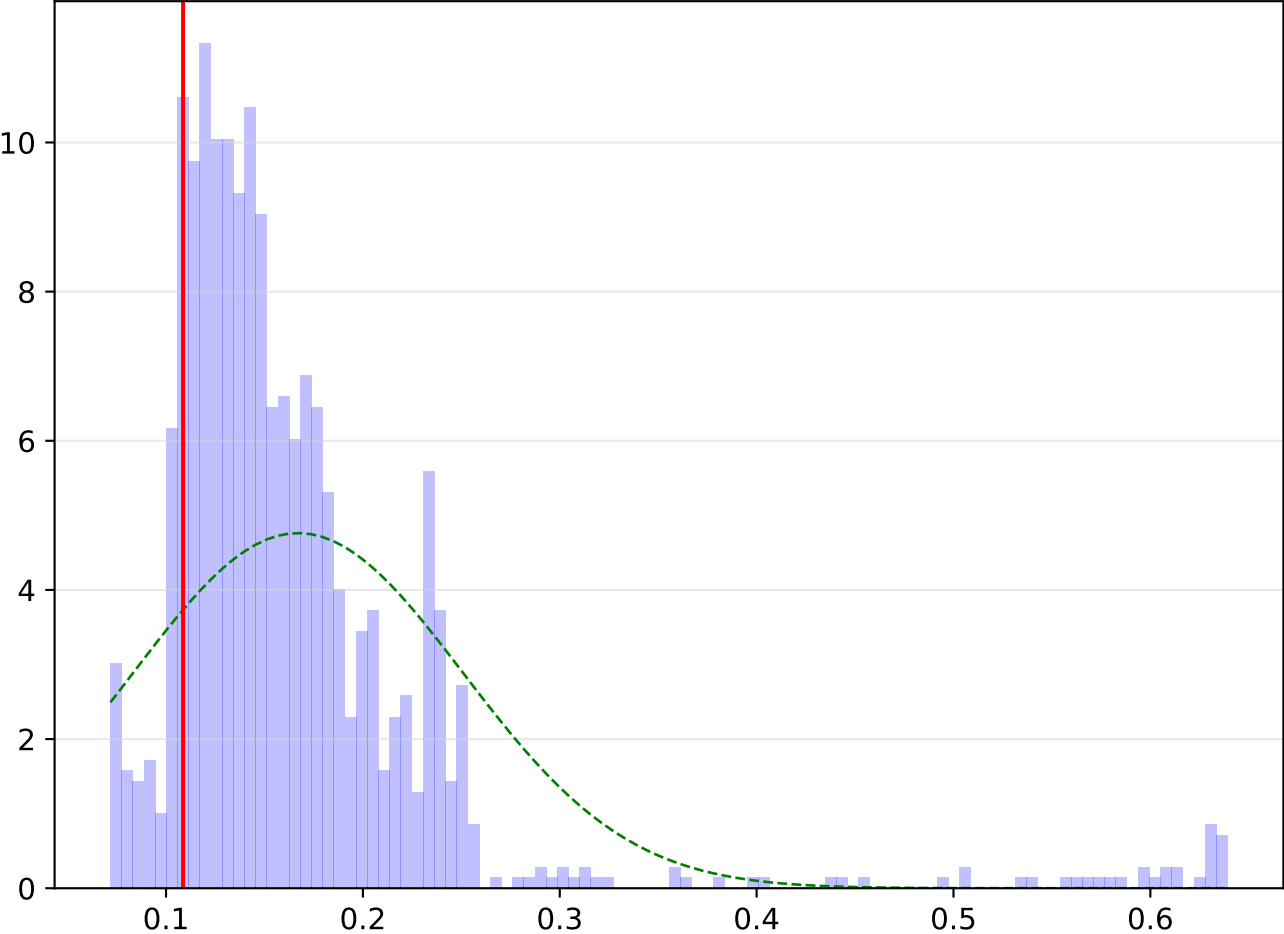
GarmanKlass (MDY, daily 2019-10-30 to 2024-10-29)



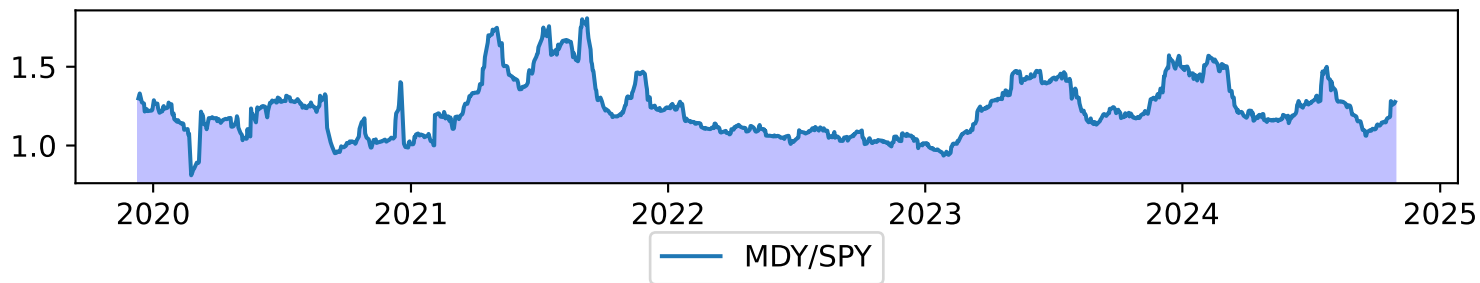
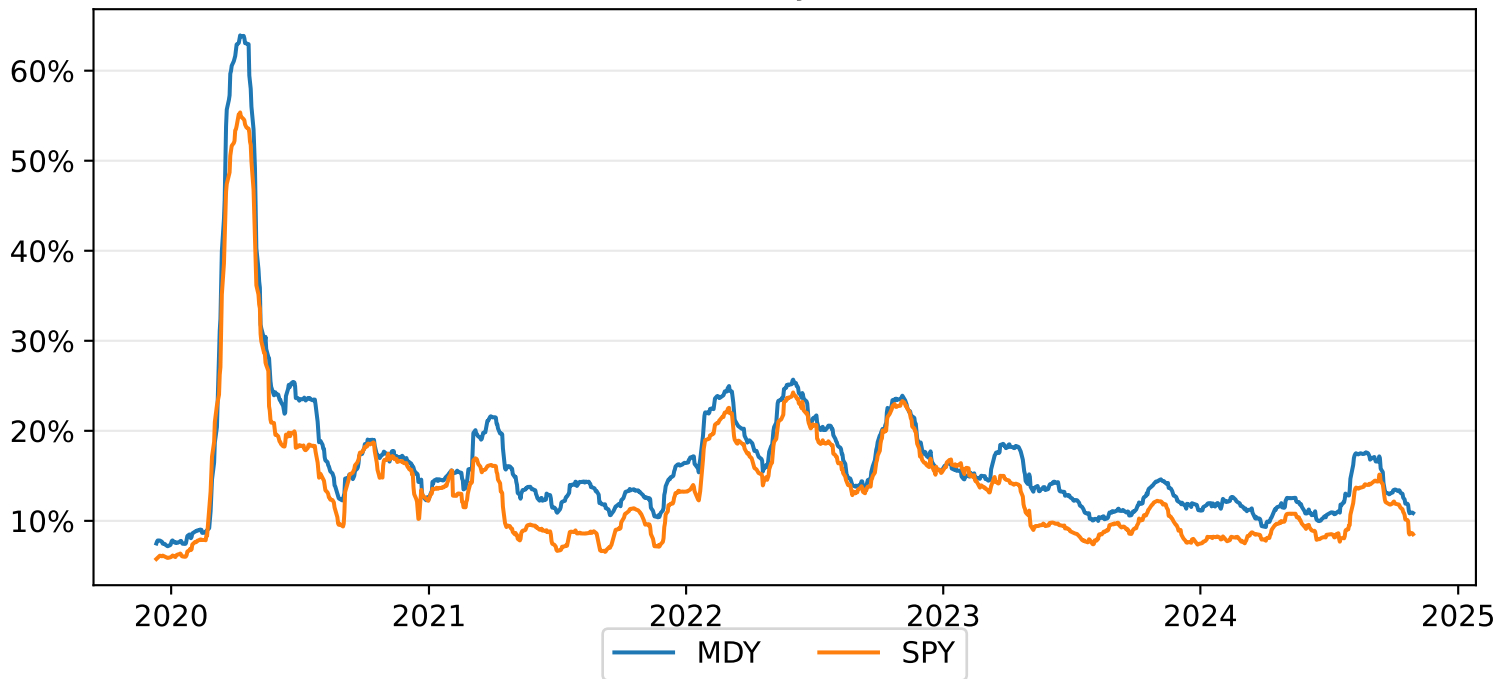
GarmanKlass (MDY, daily 2019-10-30 to 2024-10-29)



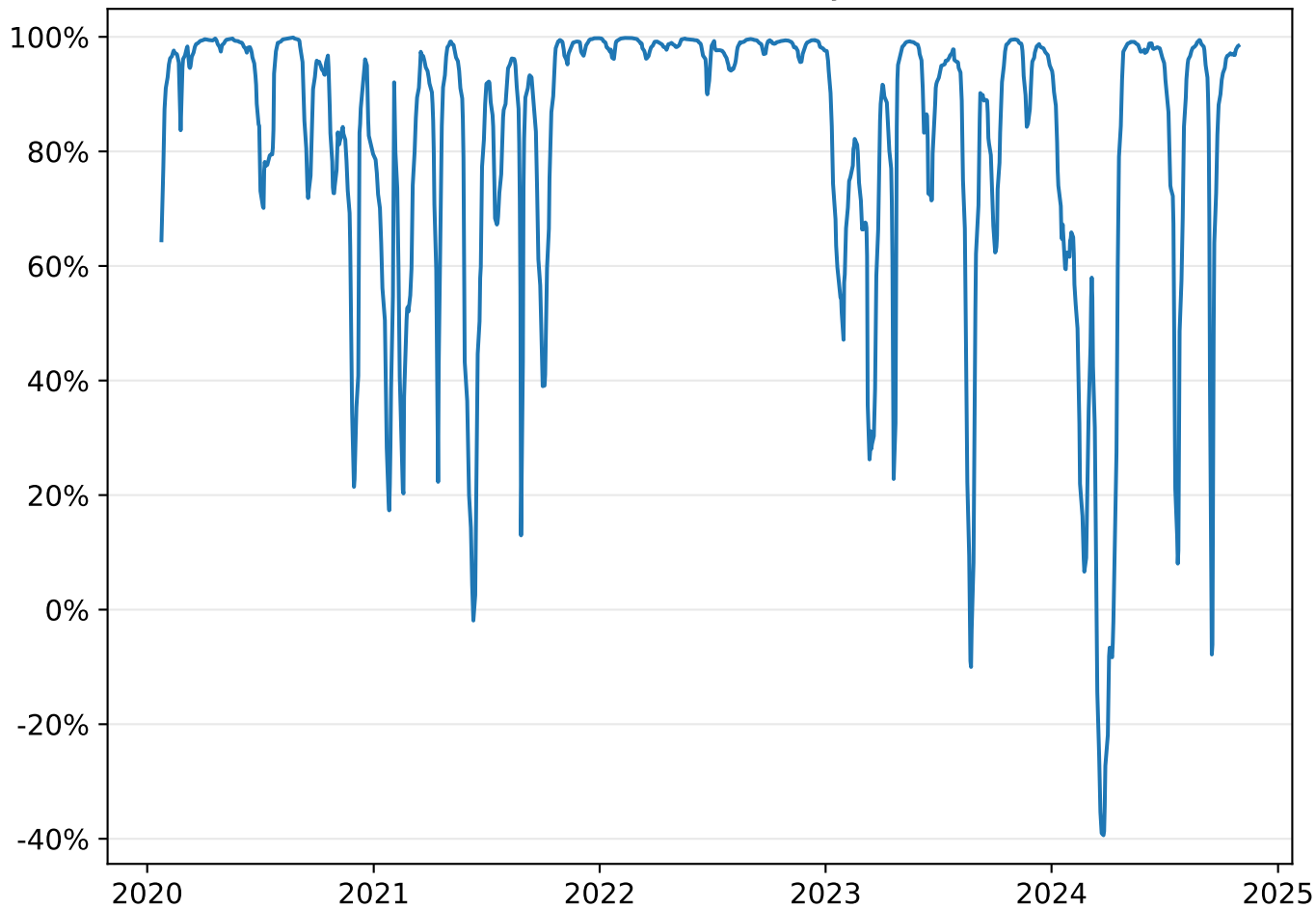
Distribution of GarmanKlass estimator values (MDY, daily 2019-10-30 to 2024-10-29)



GarmanKlass (MDY v. SPY, daily 2019-10-30 to 2024-10-29)



GarmanKlass (Correlation of MDY v. SPY, daily 2019-10-30 to 2024-10-29)



OLS Regression Results

```

=====
Dep. Variable:          y      R-squared (uncentered):          0.988
Model:                  OLS    Adj. R-squared (uncentered):          0.988
Method:                  Least Squares  F-statistic:          1.028e+05
Date:                    Tue, 29 Oct 2024  Prob (F-statistic):          0.00
Time:                    23:54:08  Log-Likelihood:          3045.1
No. Observations:        1229    AIC:          -6088.
Df Residuals:            1228    BIC:          -6083.
Df Model:                1
Covariance Type:          nonrobust
=====

```

	coef	std err	t	P> t	[0.025	0.975]
x1	1.1535	0.004	320.556	0.000	1.146	1.161

```

=====
Omnibus:                15.785    Durbin-Watson:          0.041
Prob(Omnibus):           0.000    Jarque-Bera (JB):          11.217
Skew:                    -0.114    Prob(JB):          0.00367
Kurtosis:                2.591    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.