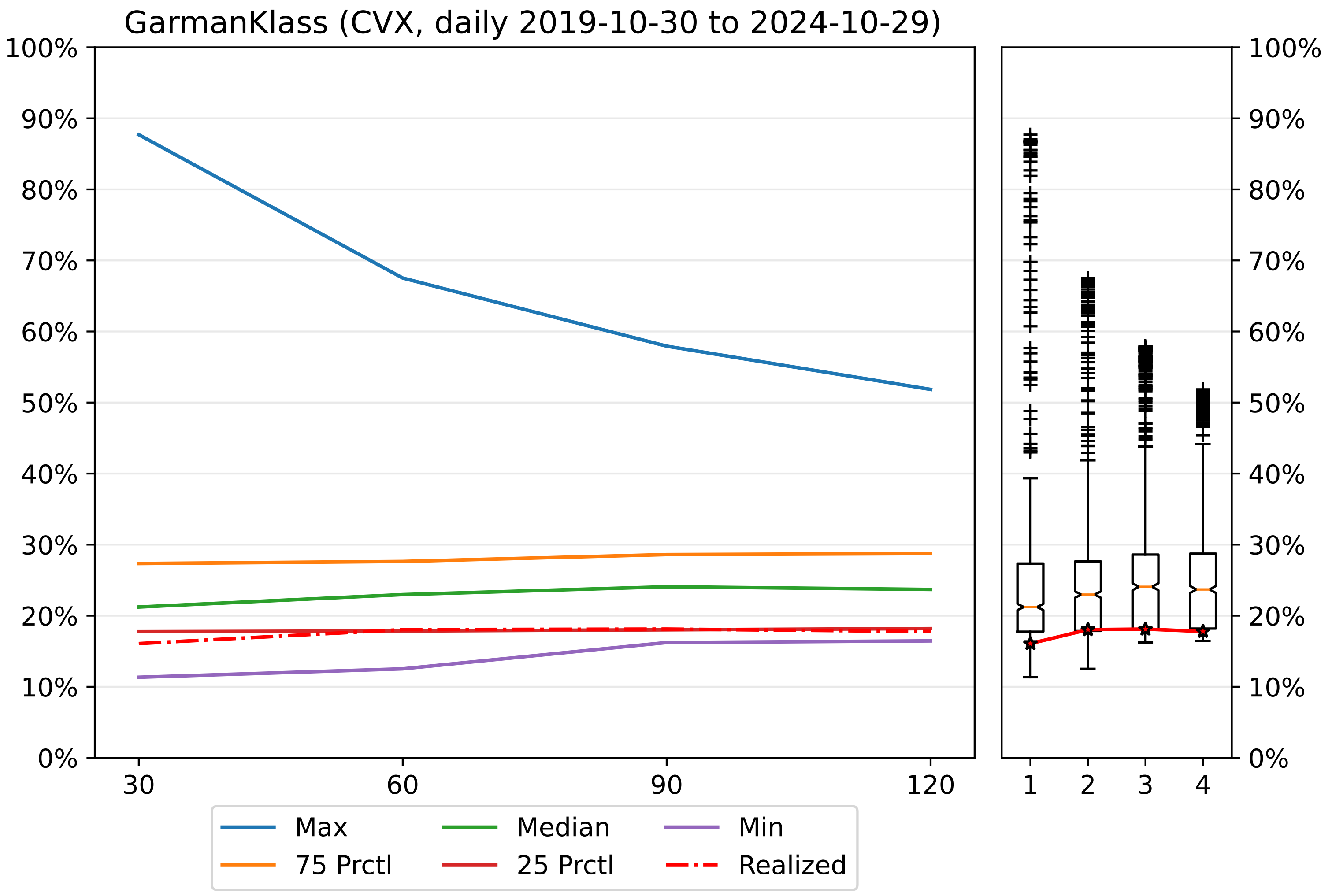
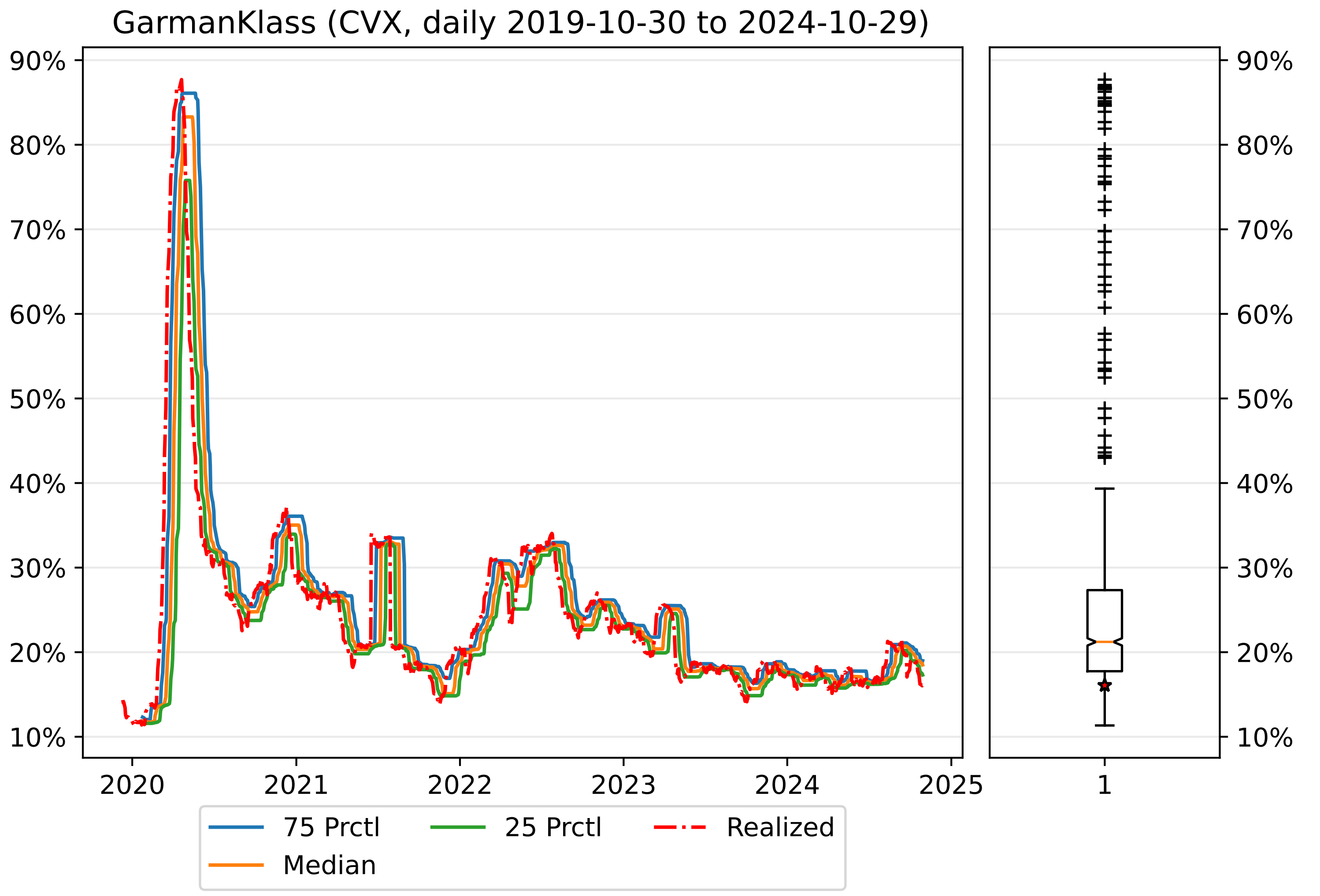
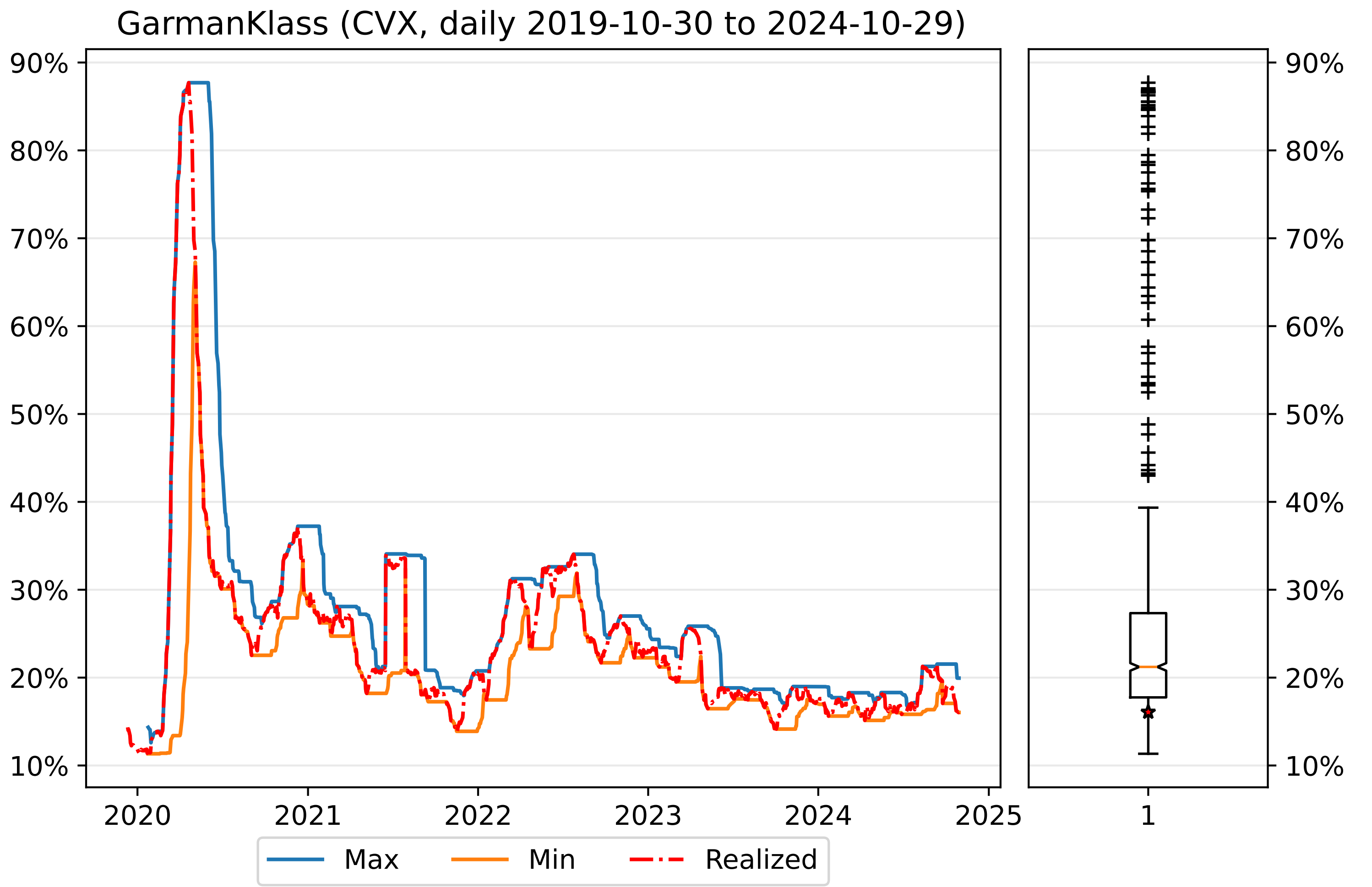


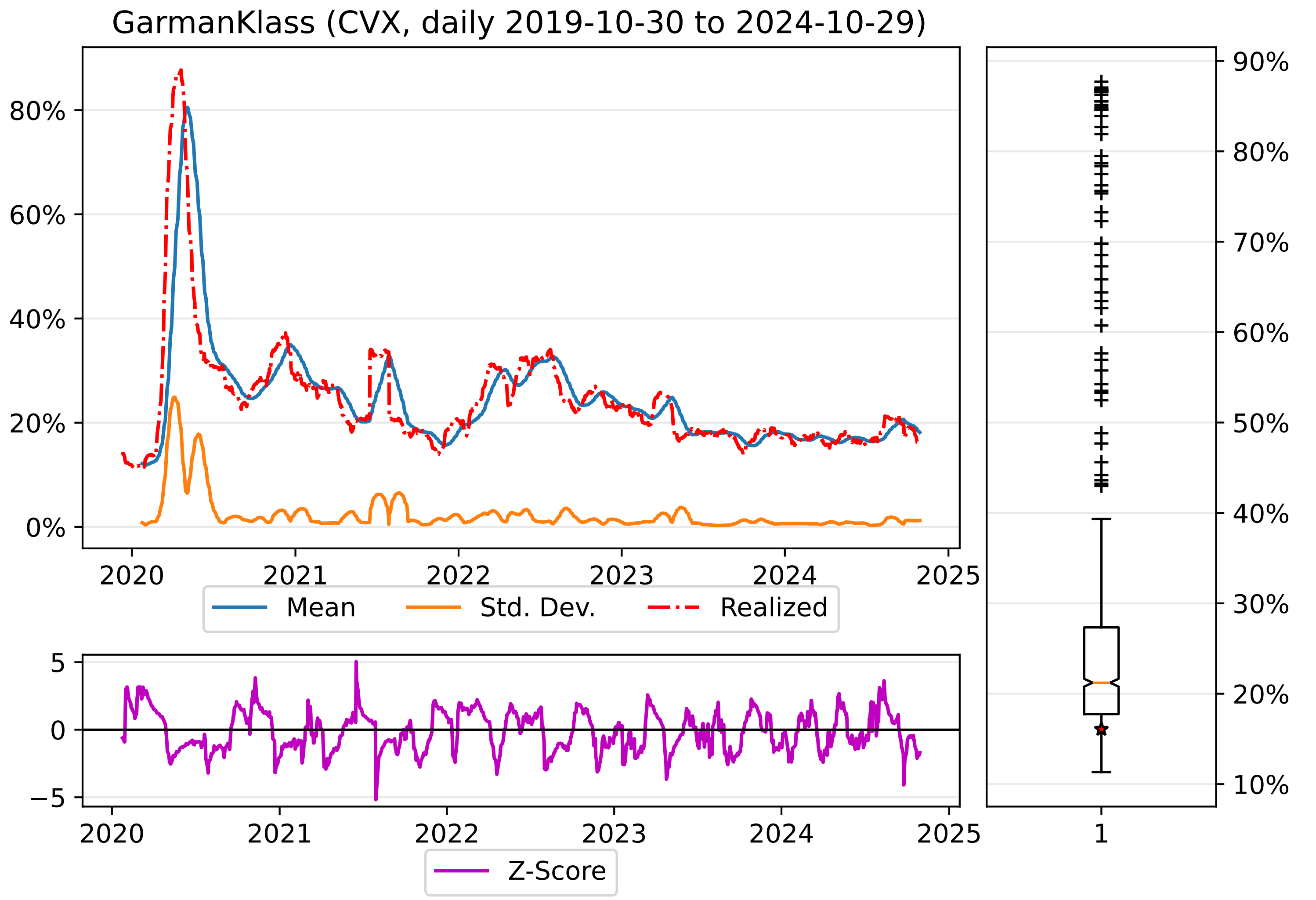
GarmanKlass (CVX, daily 2019-10-30 to 2024-10-29)
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
30
60
90
120
1
2
3
4
Max
75 Prctl
Median
25 Prctl
Min
Realized



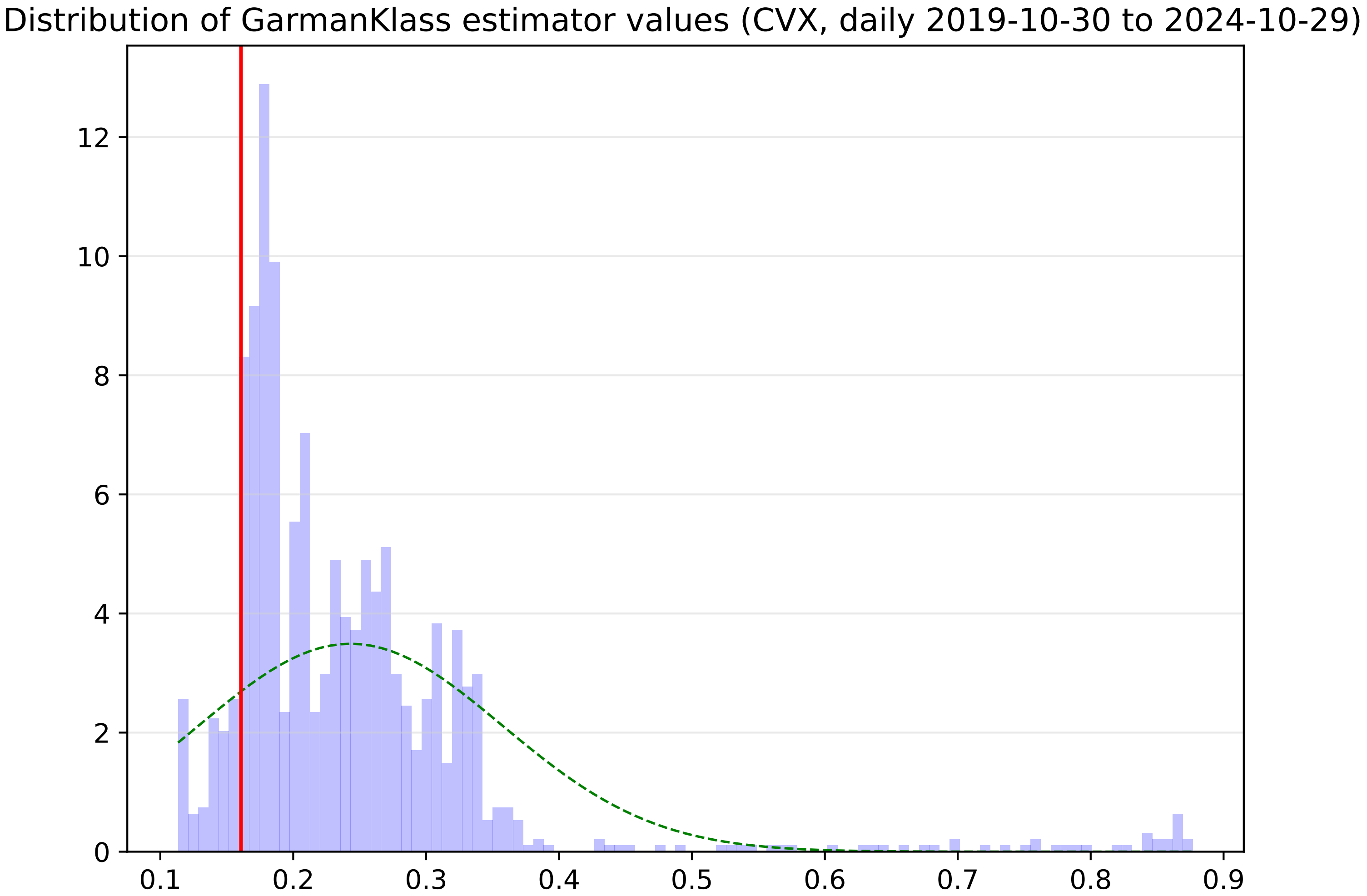
GarmanKlass (CVX, daily 2019-10-30 to 2024-10-29)
90%
80%
70%
60%
50%
40%
30%
20%
10%
2020
2021
2022
2023
2024
2025
1
75 Prctl
25 Prctl
Realized
Median

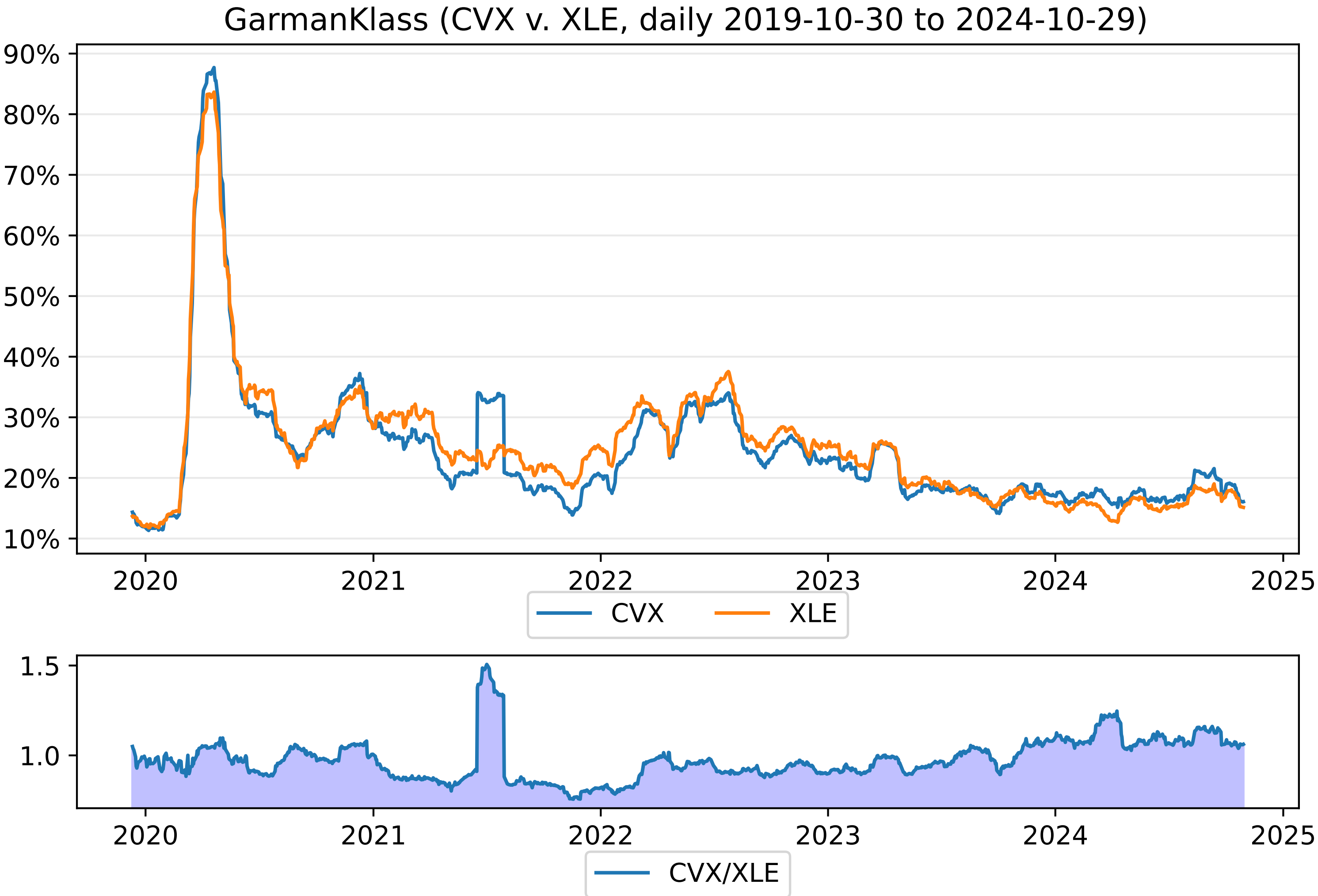


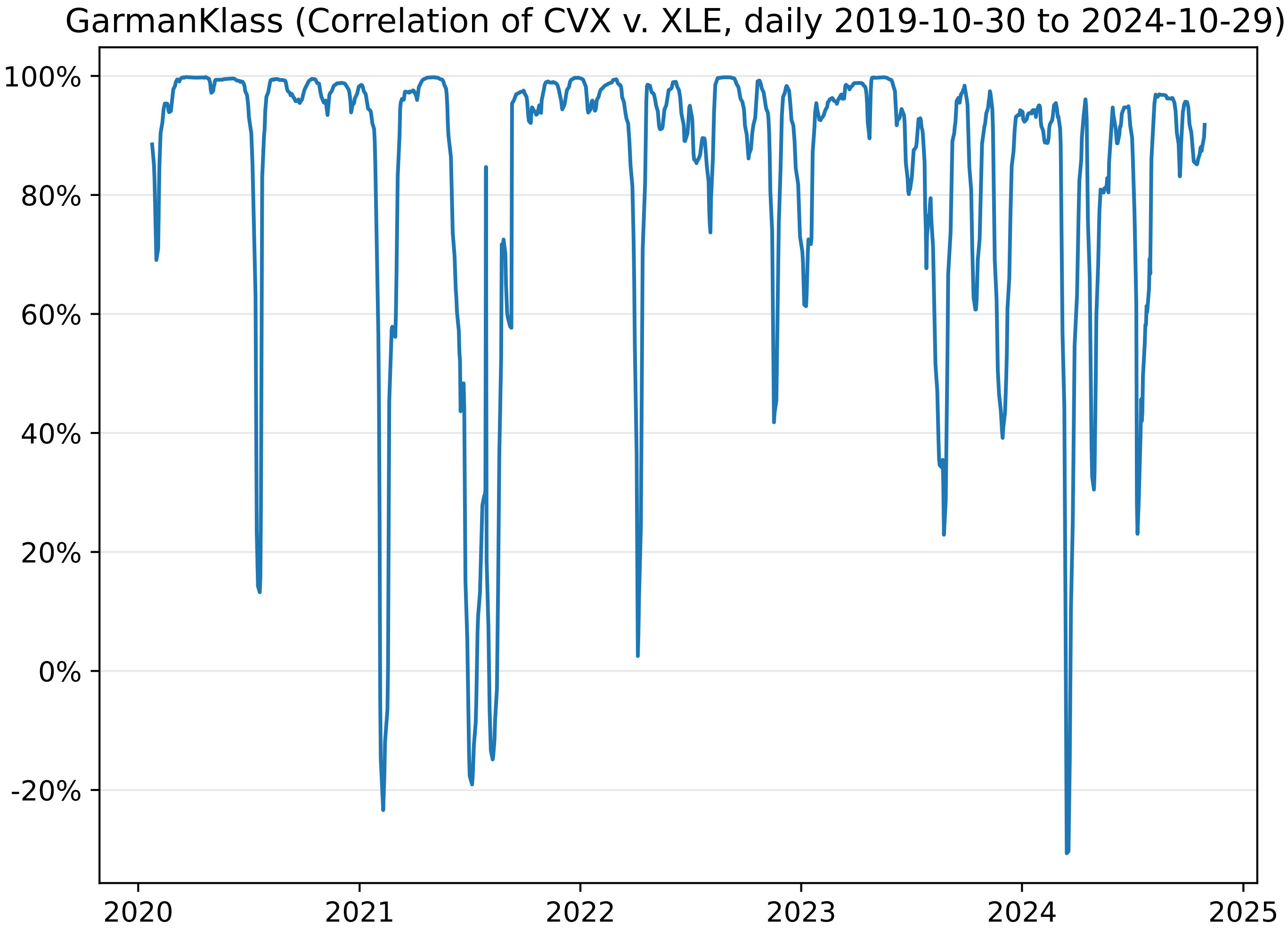
GarmanKlass (CVX, daily 2019-10-30 to 2024-10-29)
90%
80%
70%
60%
50%
40%
30%
20%
10%
2020
2021
2022
2023
2024
2025
1
Max
Min
Realized



GarmanKlass (CVX, daily 2019-10-30 to 2024-10-29)
80%
60%
40%
20%
0%
2020
2021
2022
2023
2024
2025
Mean
Std. Dev.
Realized
5
0
−5
Z-Score
90%
80%
70%
60%
50%
40%
30%
20%
10%
1


Distribution of GarmanKlass estimator values (CVX, daily 2019-10-30 to 2024-10-29)
0
2
4
6
8
10
12
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9


GarmanKlass (CVX v. XLE, daily 2019-10-30 to 2024-10-29)
90%
80%
70%
60%
50%
40%
30%
20%
10%
2020
2021
2022
2023
2024
2025
CVX
XLE
1.5
1.0
CVX/XLE


GarmanKlass (Correlation of CVX v. XLE, daily 2019-10-30 to 2024-10-29)
100%
80%
60%
40%
20%
0%
-20%
2020
2021
2022
2023
2024
2025

```
                            OLS Regression Results                                
=======================================================================================
Dep. Variable:                      y   R-squared (uncentered):                   0.989
Model:                            OLS   Adj. R-squared (uncentered):              0.989
Method:                 Least Squares   F-statistic:                          1.150e+05
Date:                Tue, 29 Oct 2024   Prob (F-statistic):                        0.00
Time:                        23:05:56   Log-Likelihood:                          2667.4
No. Observations:                1229   AIC:                                     -5333.
Df Residuals:                    1228   BIC:                                     -5328.
Df Model:                           1                                                  
Covariance Type:            nonrobust                                                  
==============================================================================
                 coef    std err          t      P>|t|      [0.025      0.975]
------------------------------------------------------------------------------
x1             0.9739      0.003    339.054      0.000       0.968       0.980
==============================================================================
Omnibus:                      316.108   Durbin-Watson:                   0.044
Prob(Omnibus):                  0.000   Jarque-Bera (JB):              871.507
Skew:                           1.317   Prob(JB):                    5.68e-190
Kurtosis:                       6.174   Cond. No.                         1.00
==============================================================================

Notes:
[1] R² 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.
```