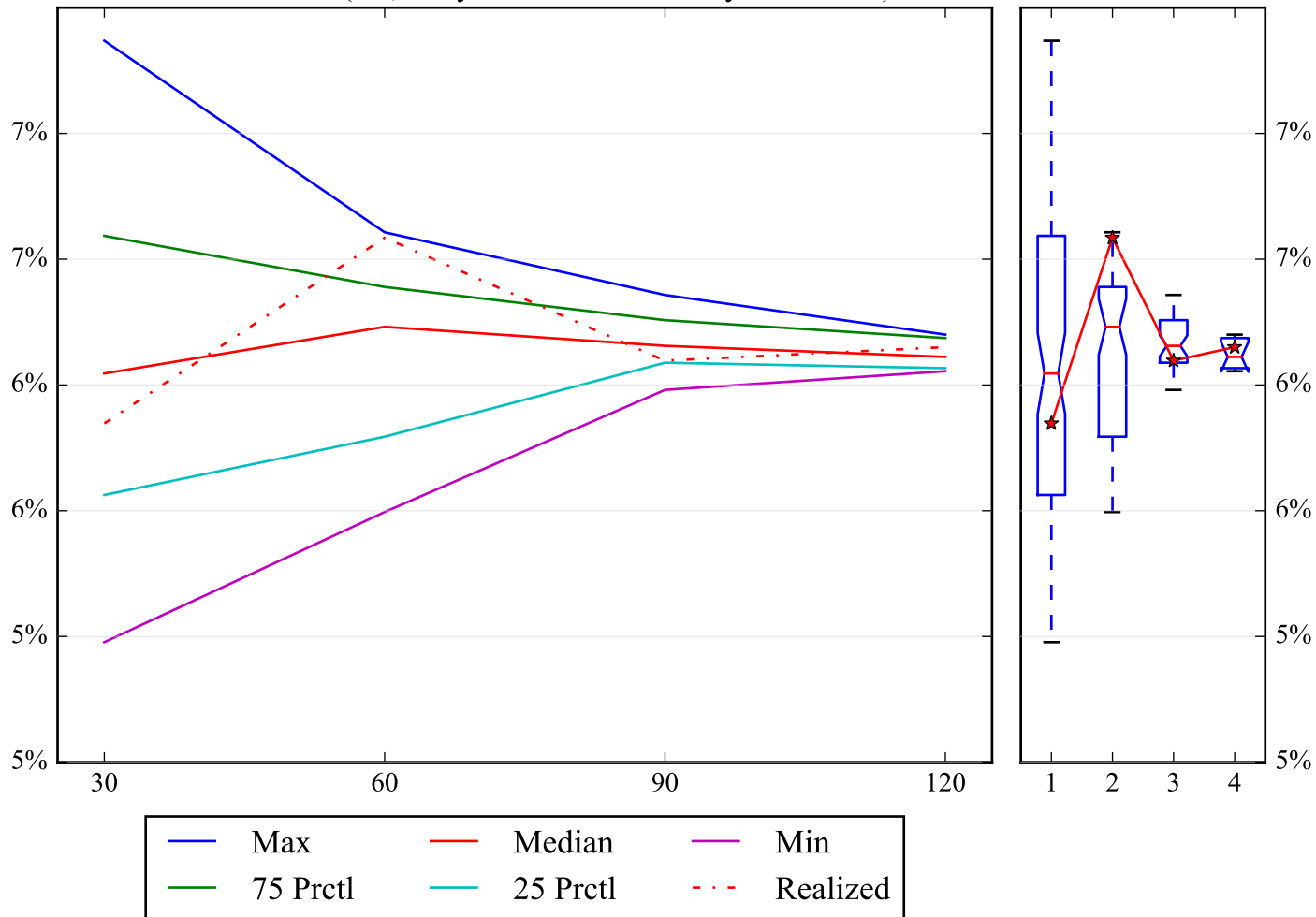
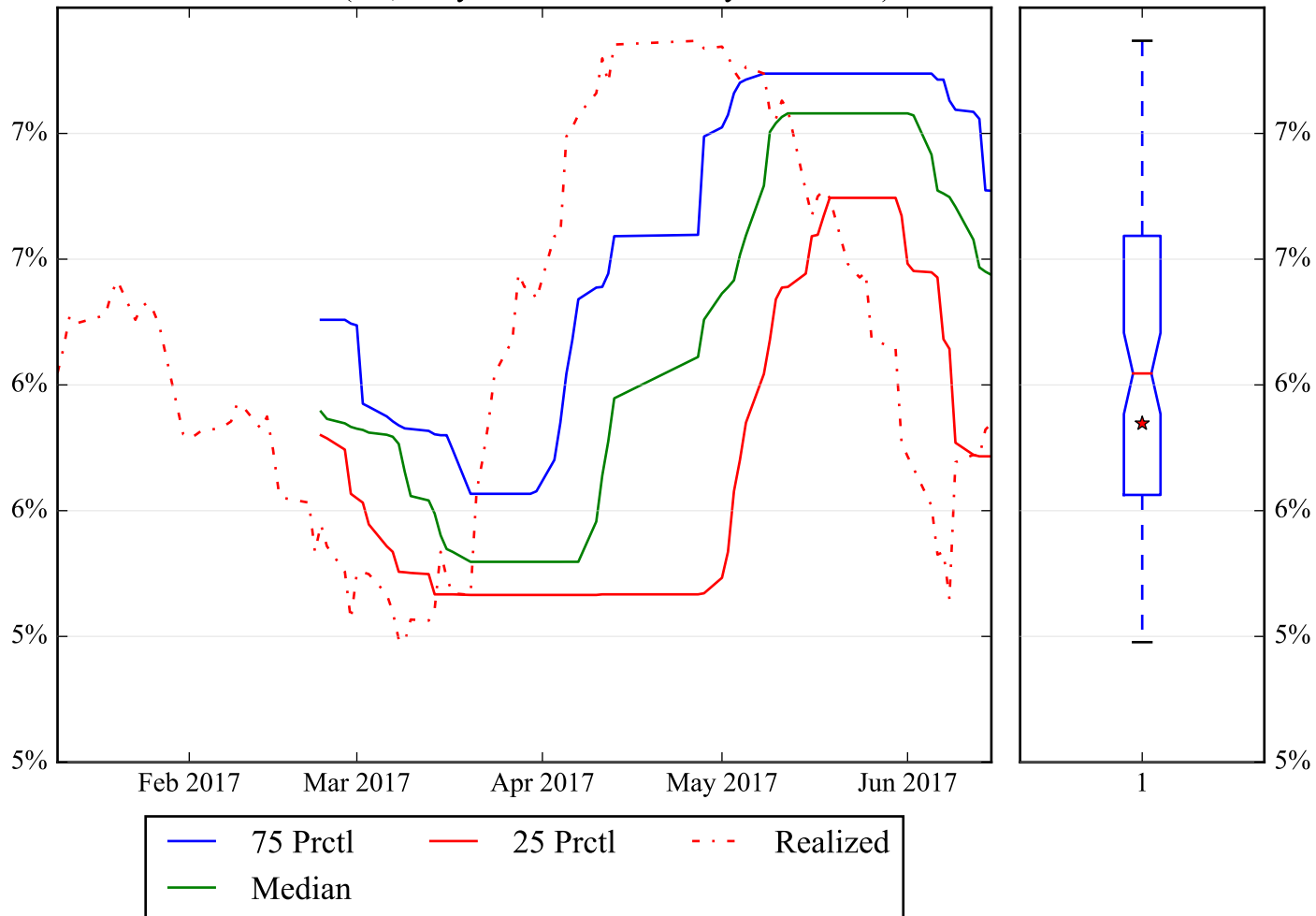


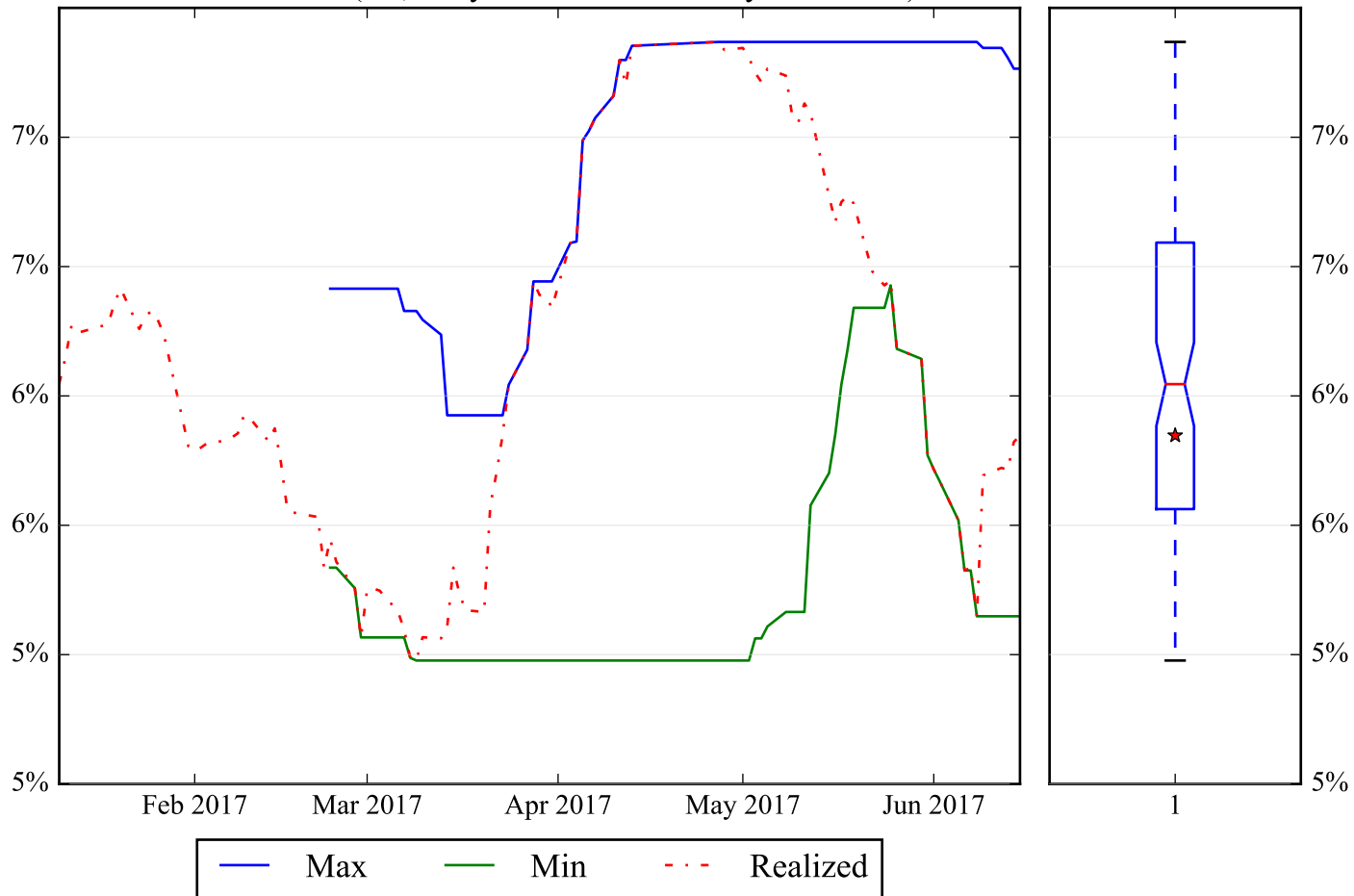
GarmanKlass (ES, daily from 20170615 days back 200)



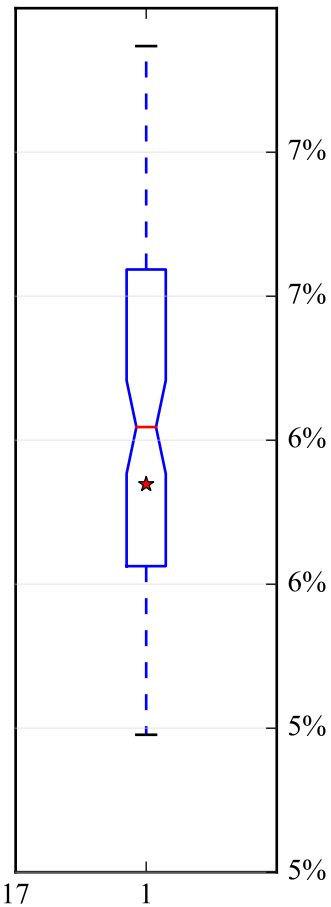
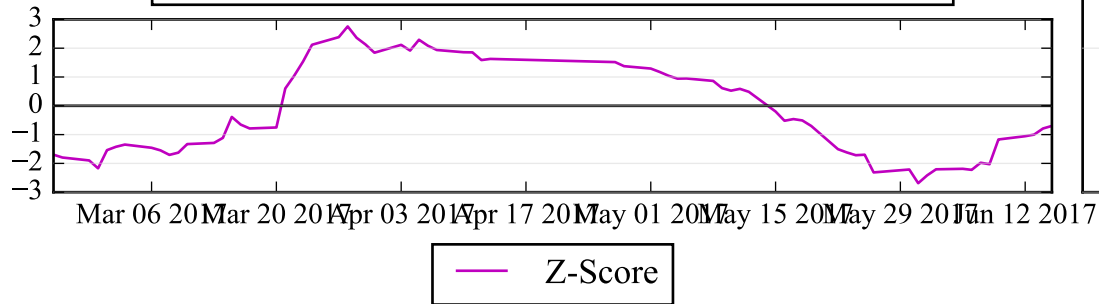
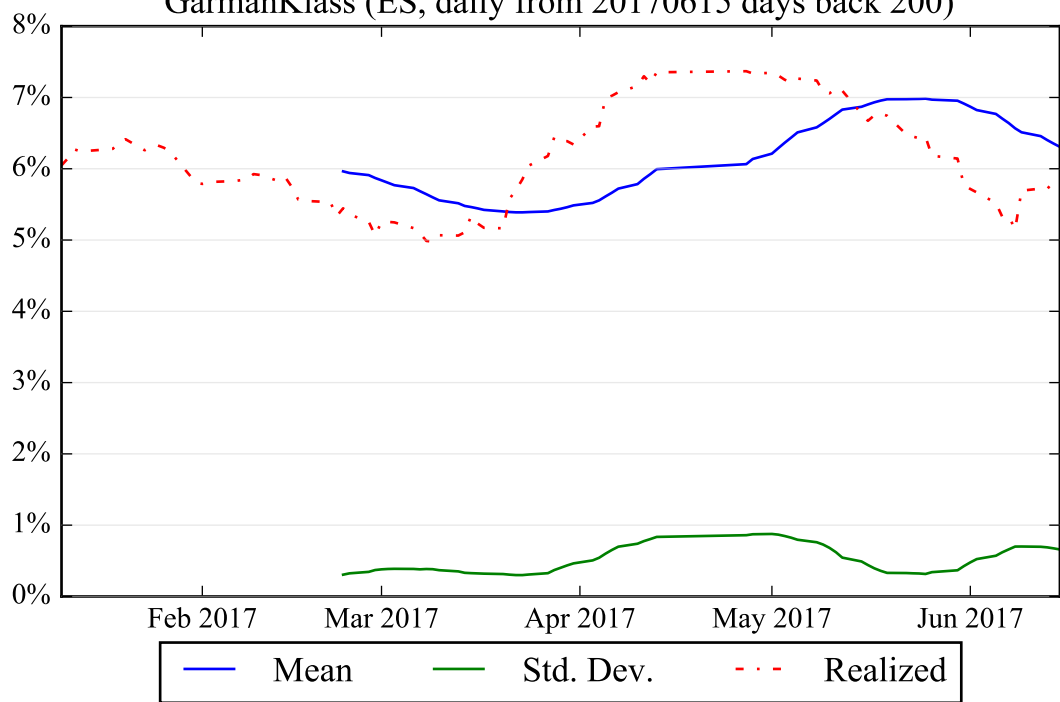
GarmanKlass (ES, daily from 20170615 days back 200)

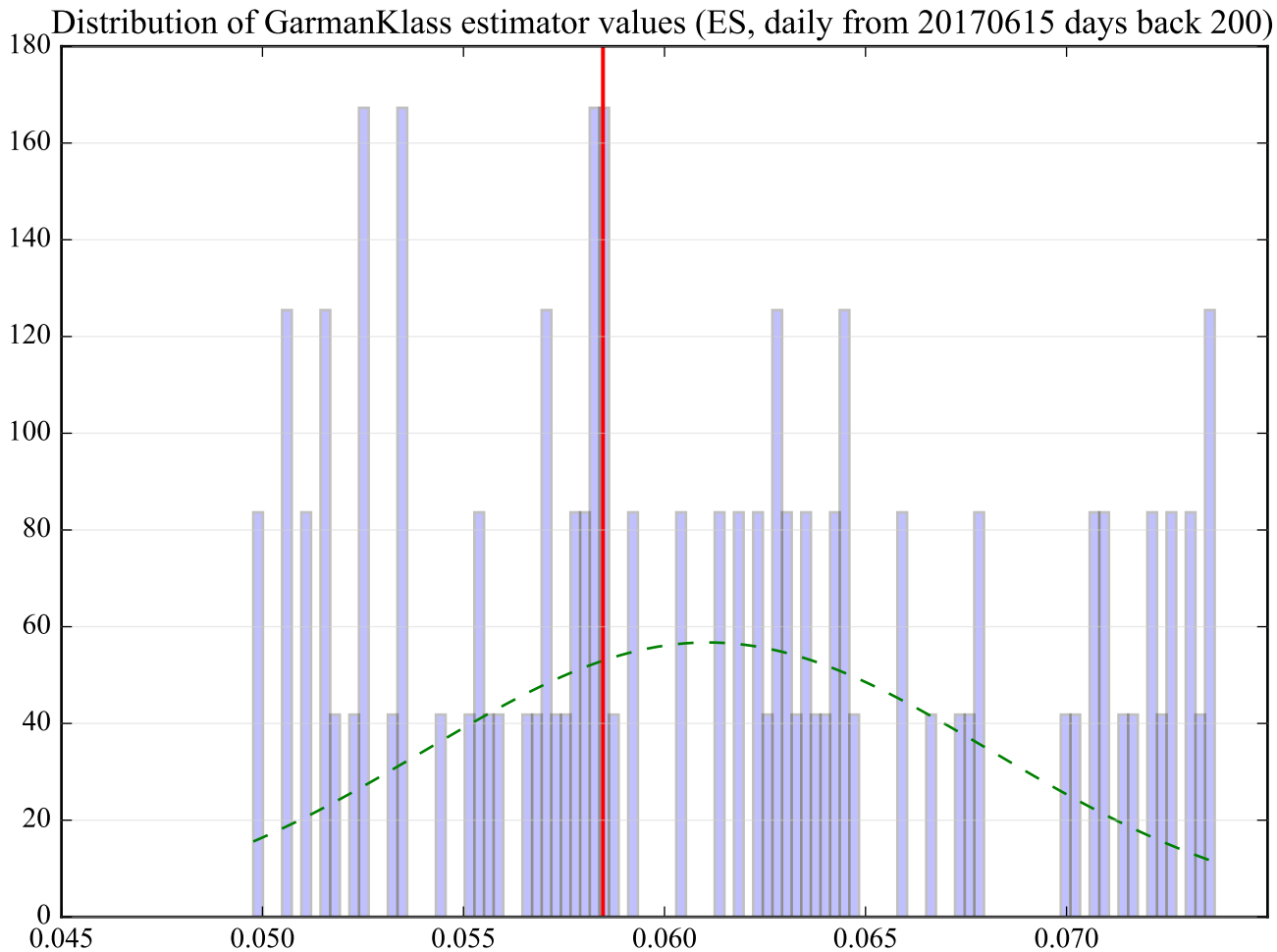


GarmanKlass (ES, daily from 20170615 days back 200)

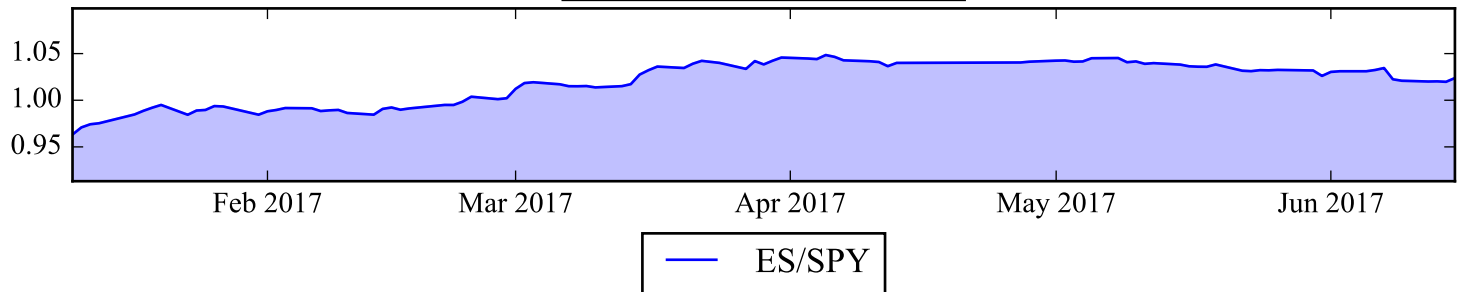
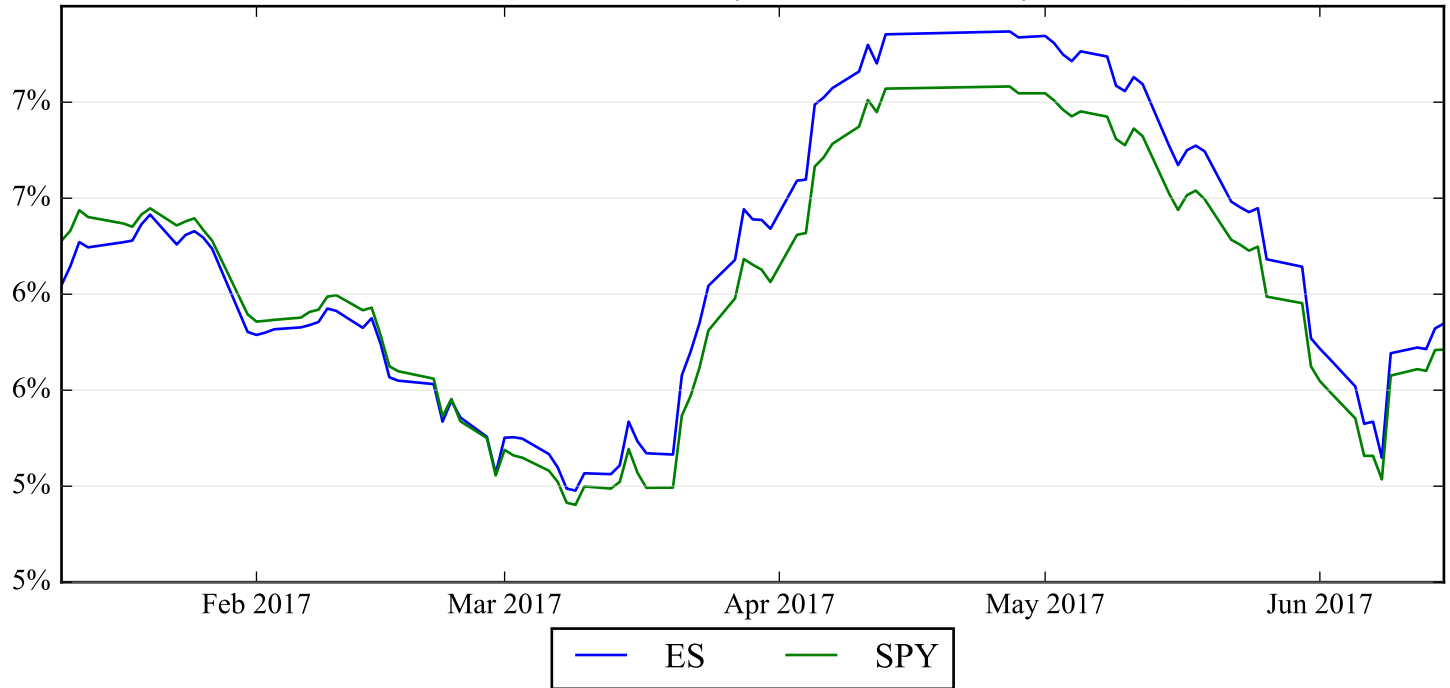


GarmanKlass (ES, daily from 20170615 days back 200)

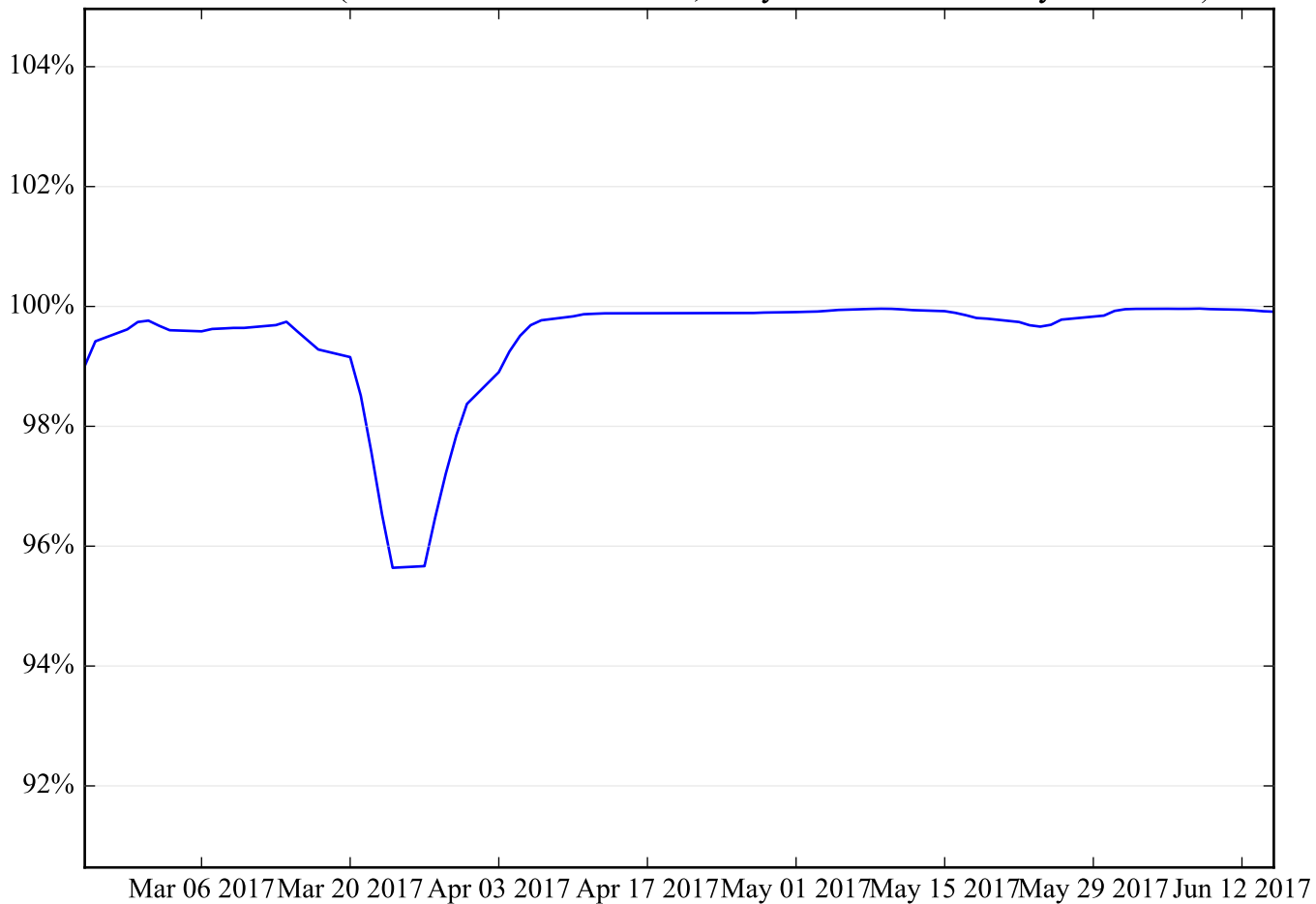




GarmanKlass (ES v. SPY, daily from 20170615 days back 200)



GarmanKlass (Correlation of ES v. SPY, daily from 20170615 days back 200)



OLS Regression Results

Dep. Variable:	y	R-squared:	0.999
Model:	OLS	Adj. R-squared:	0.999
Method:	Least Squares	F-statistic:	1.844e+05
Date:	Sun, 25 Jun 2017	Prob (F-statistic):	1.06e-163
Time:	17:06:09	Log-Likelihood:	513.53
No. Observations:	100	AIC:	-1025.
Df Residuals:	99	BIC:	-1022.
Df Model:	1		
Covariance Type:	nonrobust		

	coef	std err	t	P> t	[95.0% Conf. Int.]
x1	1.0199	0.002	429.385	0.000	1.015 1.025

Omnibus:	18.932	Durbin-Watson:	0.025
Prob(Omnibus):	0.000	Jarque-Bera (JB):	8.729
Skew:	-0.520	Prob(JB):	0.0127
Kurtosis:	1.994	Cond. No.	1.00

Warnings:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.