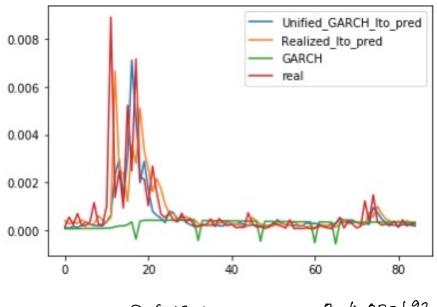
1. Download the high-frequency data from Wharton Research Data Services. Fit GARCH(1,1), unified GARCH-Itô (1,1), realized GARCH-Itô (1,1) using 500 days, and then predict the following day. Repeat the procedure 250 days. Then compare its mean predict error,

$$\frac{1}{250} \sum_{i=1}^{250} (\widehat{V}_i - RV_i)^2,$$

where \hat{V}_i is the predicted value uising GARCH(1,1), unified GARCH-Itô (1,1), realized GARCH-Itô (1,1).



mean predict error:

D GARCH

- 0.000192
- (3) Realized GARCH-Ito; 0.000/57

Langery: 17 HW2-preprocessing. ipynb & GIDIEI 2/3/21

- 2) HW2_main_code. RZ Unified, Realized GARCH_Ito &B.
- 37 HW2_ original_GARCHZ GARCH 2184