Contents

1 Summary

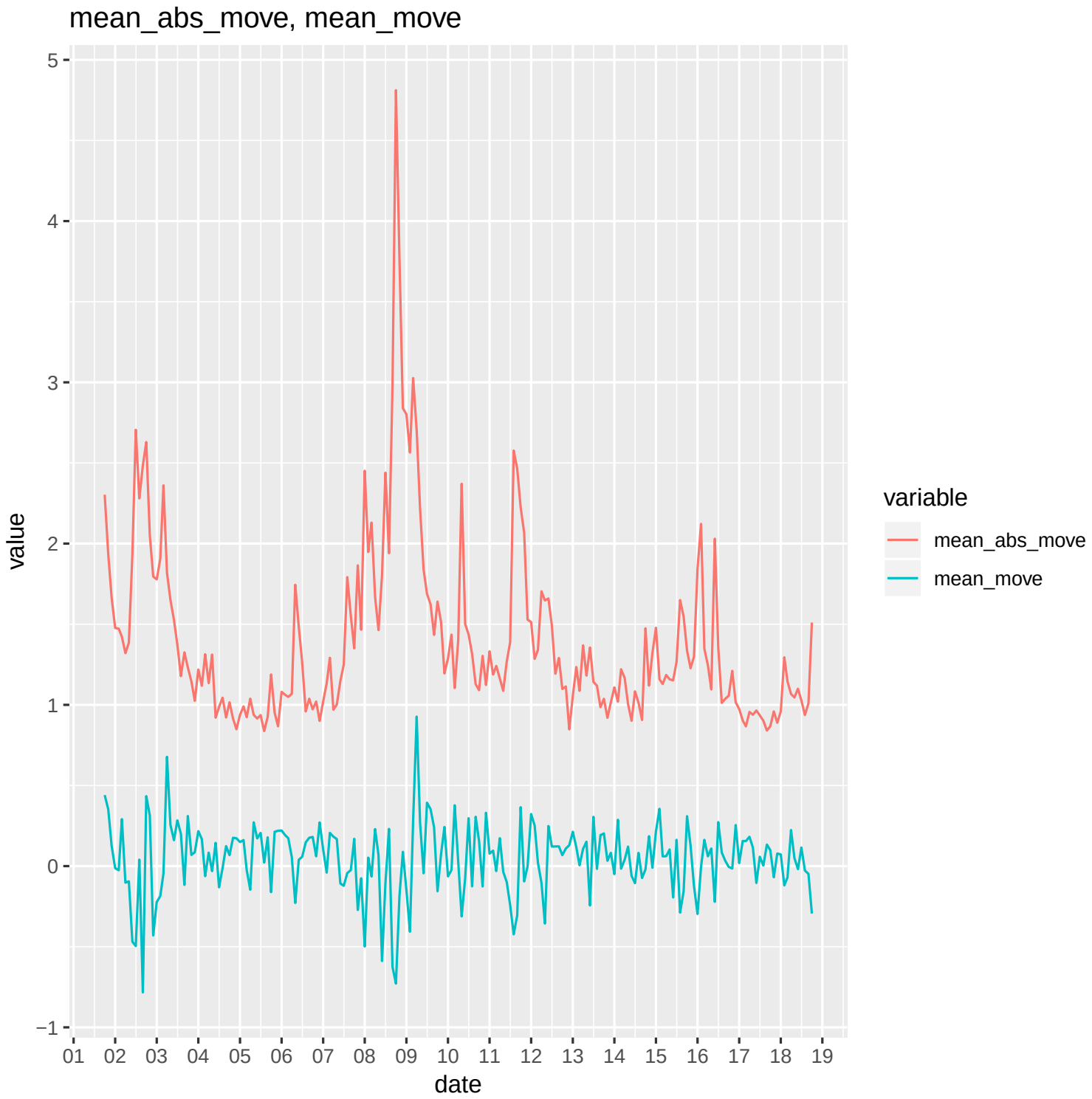
- We examine a number of cross sectional statistics of daily returns of SXXP memeber stocks
- SXXP members are sampled quarterly and their daily returns for the preceding 3 month are retrieved from Bloomberg
- We split the resulting return data by month and compute a number of statistics for each group

items in dataset:

	item	type
1	date	Date
2	ticker	character
3	tret	numeric
4	vol_30d	numeric
5	best_analyst_rating	numeric
6	rsi30d	numeric
7	ma200	numeric
8	ma30	numeric
9	beta_plus	numeric
10	beta_minus	numeric
11	corr	numeric
12	year_month	character

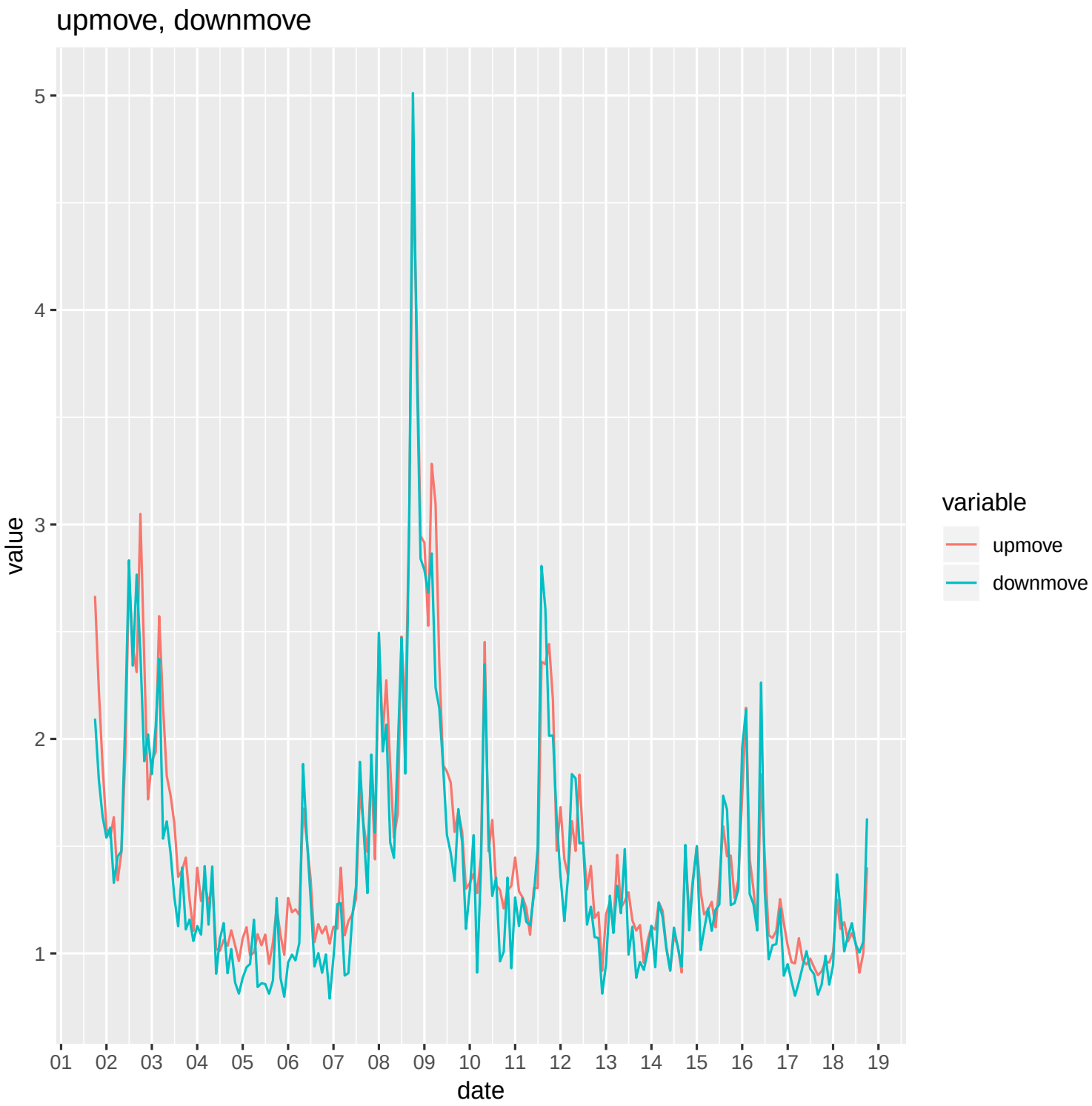
2 mean absolute move, mean move

	stat	calculation
1	mean_abs_move	`mean(abs(tret))`
2	mean_move	`mean(tret)`



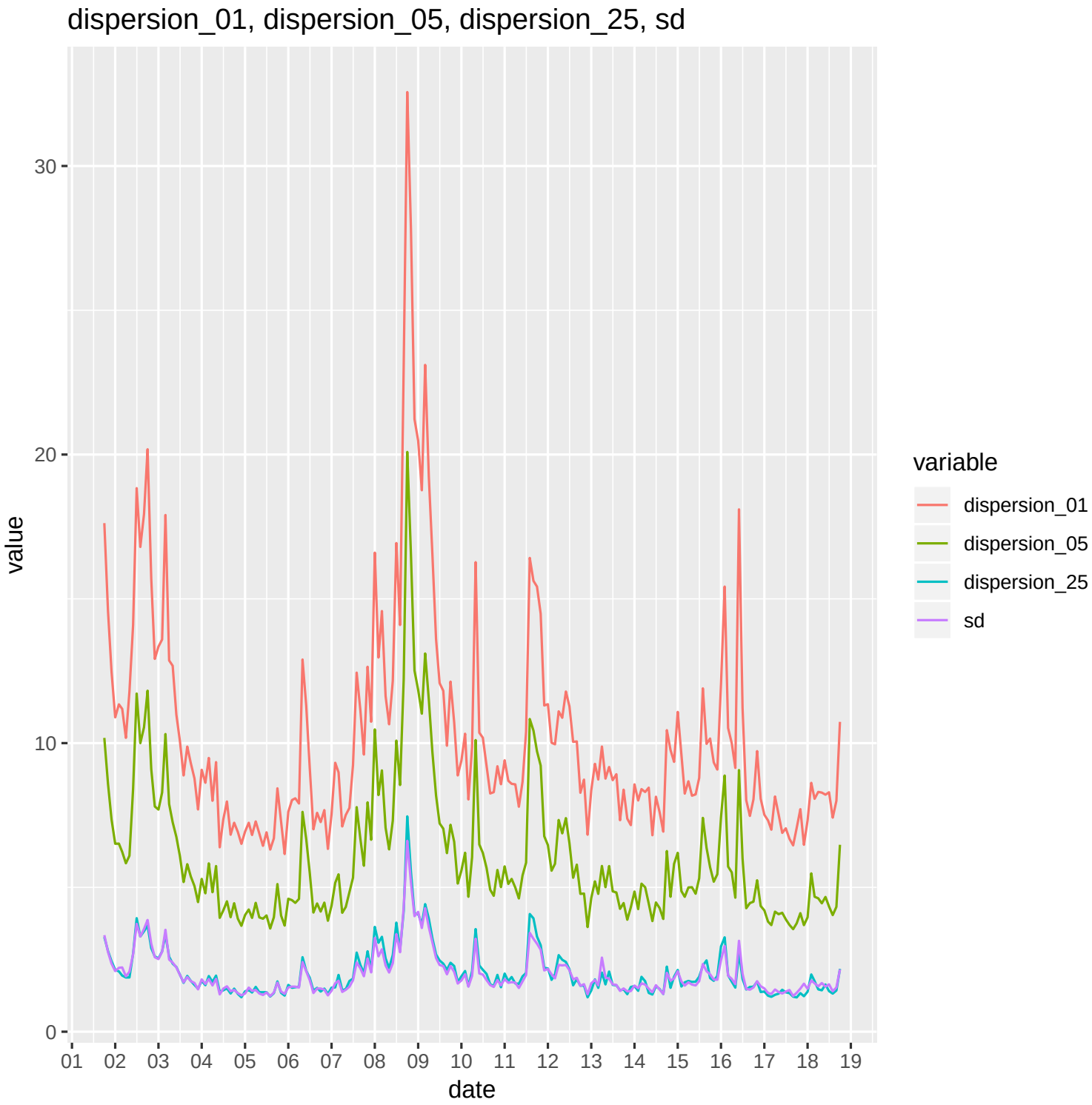
3 upmove, downmove

	stat	calculation
1	upmove	`mean(tret[tret>0])`
2	downmove	`mean(-tret[tret<0])`



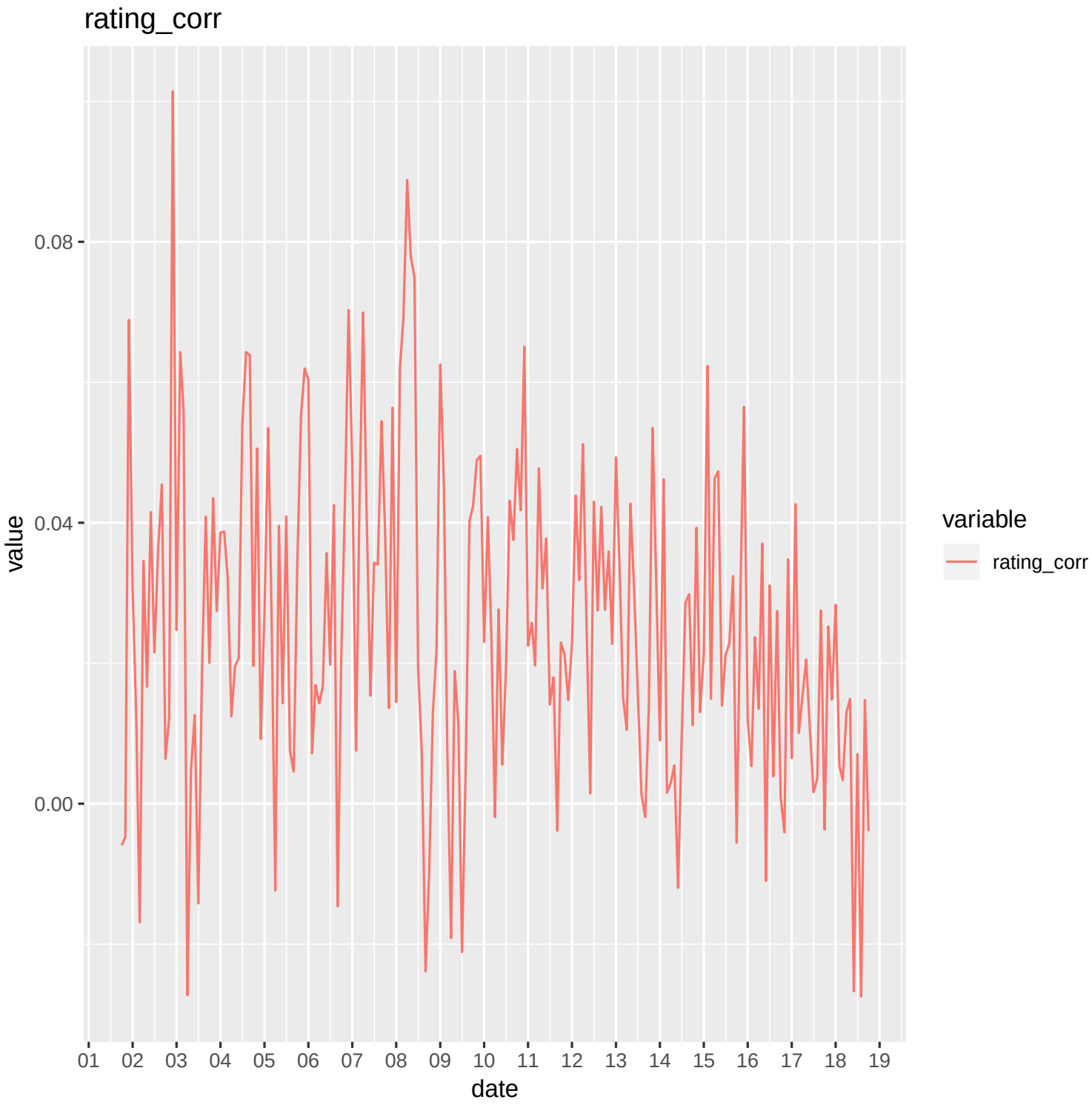
4 dispersion

	stat	calculation
1	dispersion_01	`diff(quantile(tret,c(0.01,0.99)))`
2	dispersion_05	`diff(quantile(tret,c(0.05,0.95)))`
3	dispersion_25	`diff(quantile(tret,c(0.25,0.75)))`
4	sd	`sd(tret)`



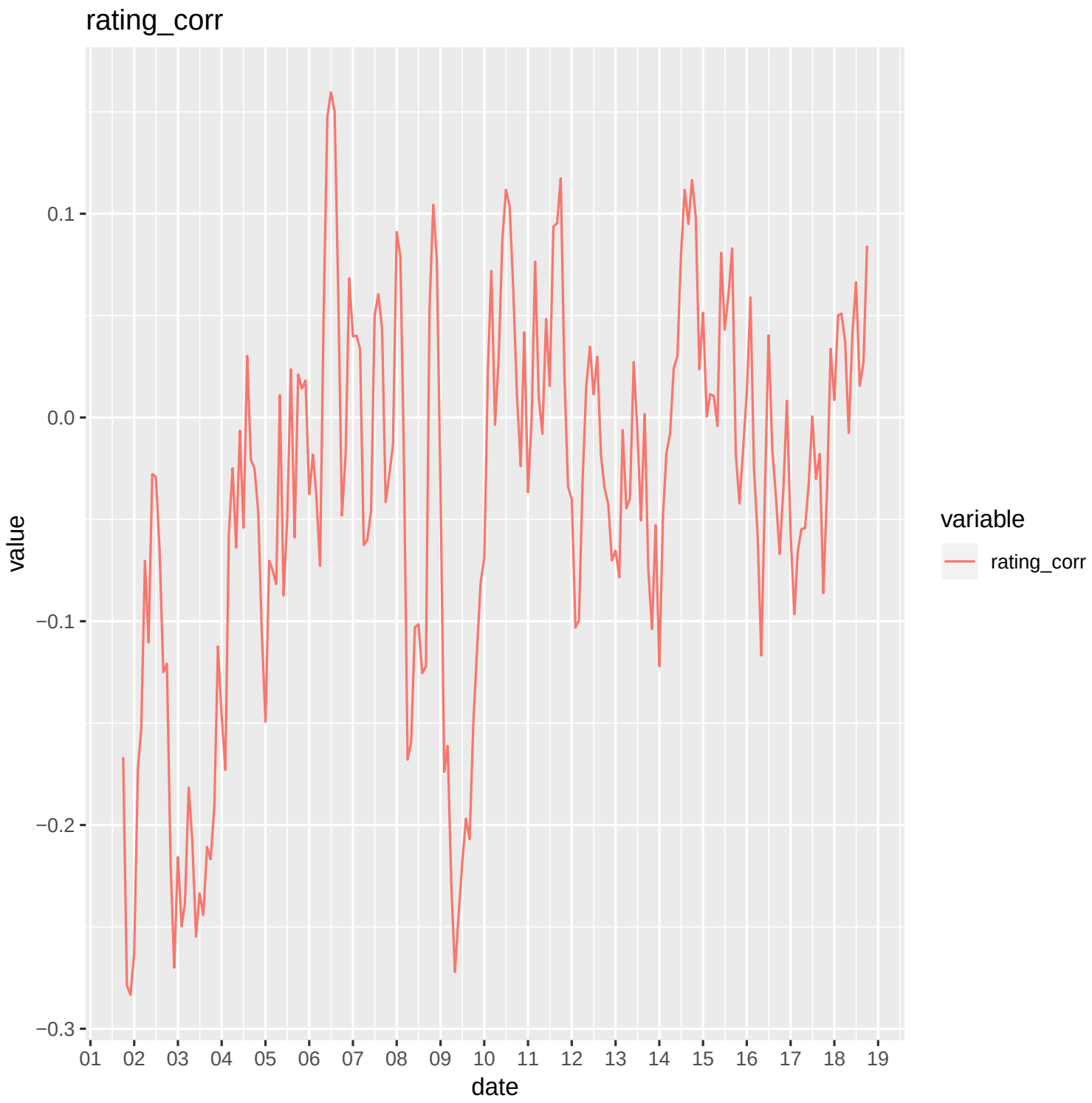
5 correlation of returns and rating

	stat	calculation
1	rating_corr	`safe_cor(tret,best_analyst_rating,method='spearman')`



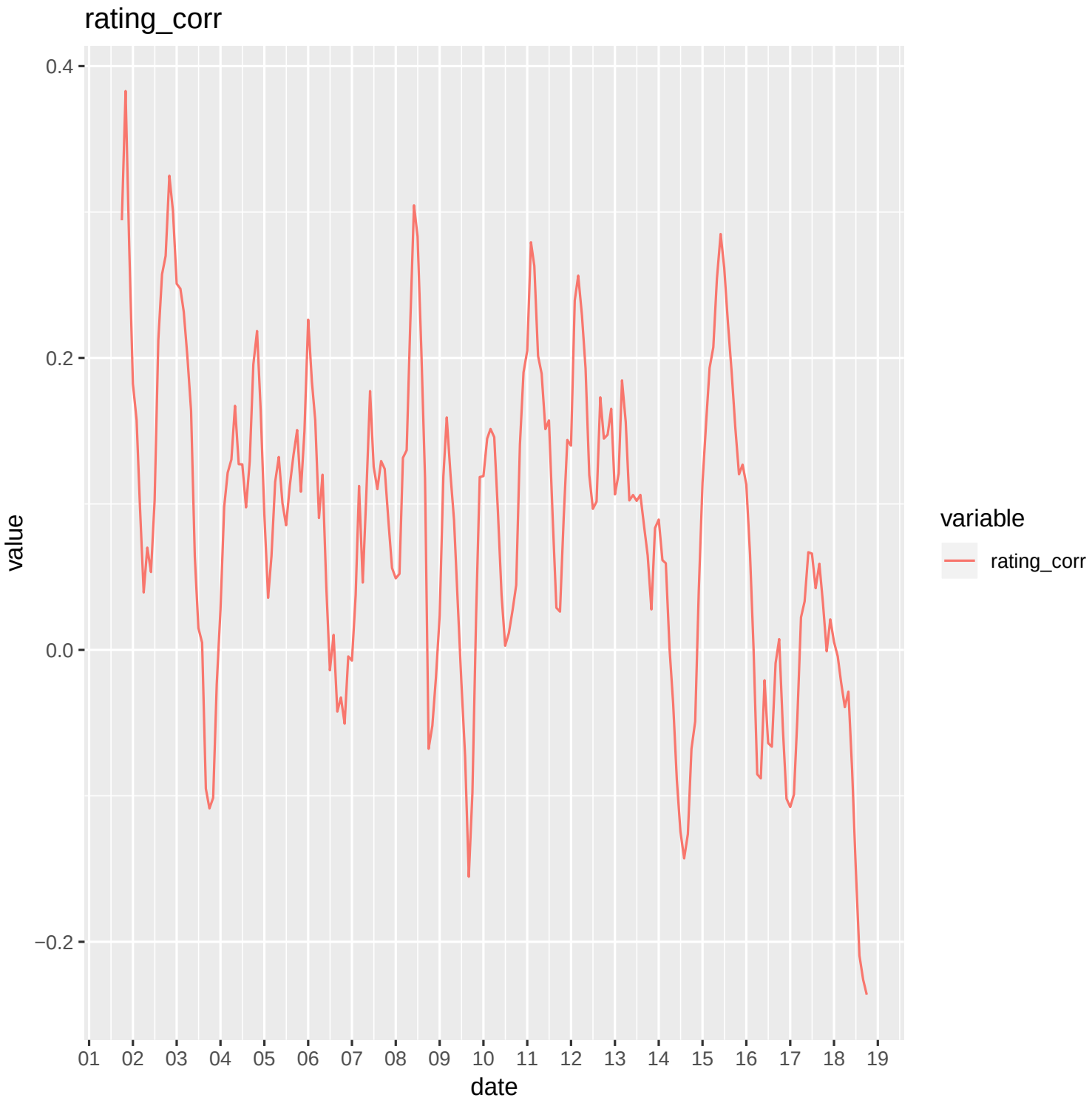
6 correlation of realized volatility and rating

	stat	calculation
1	rating_corr	`safe_cor(vol_30d,best_analyst_rating,method='spearman')`



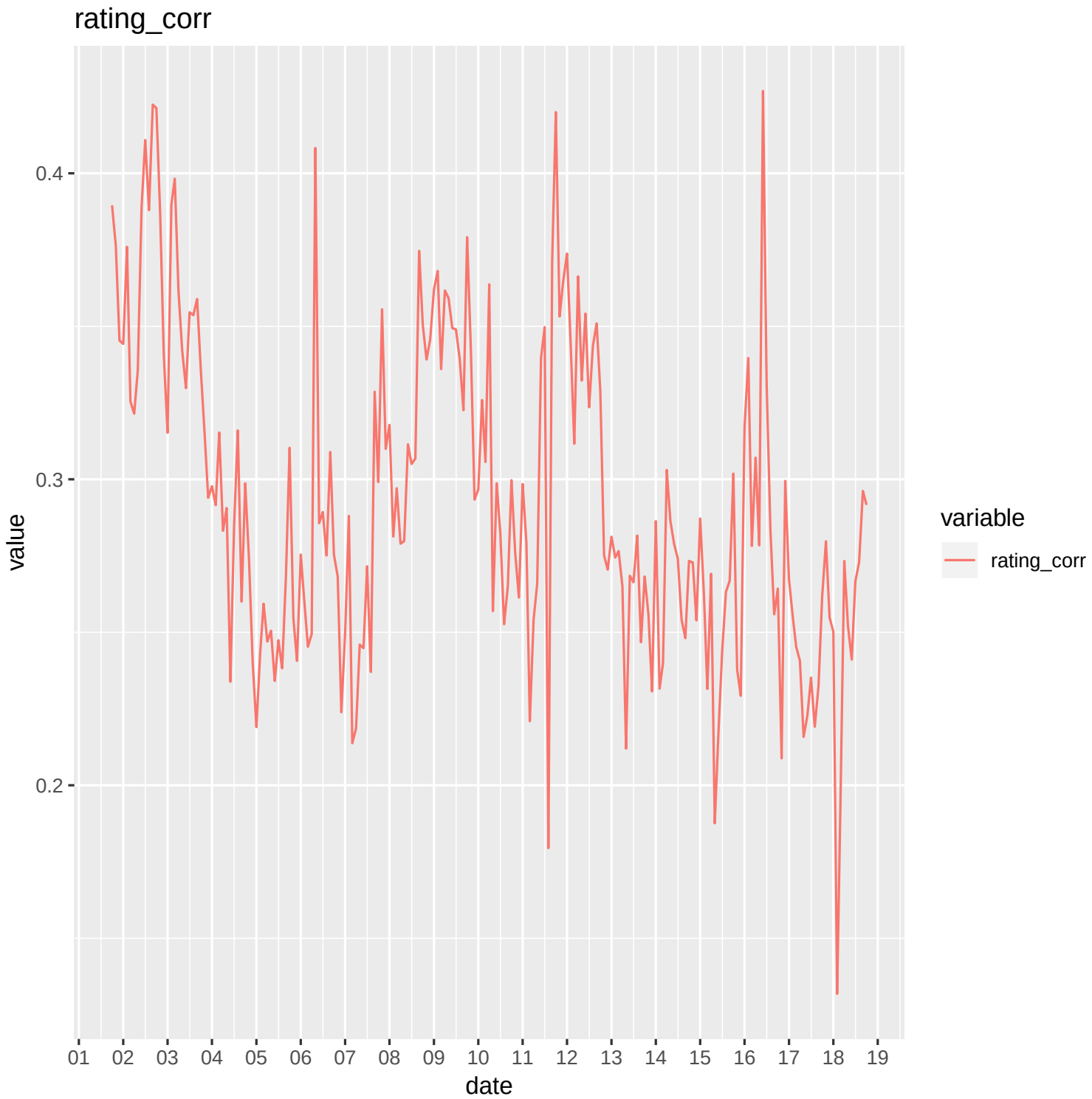
7 correlation of trend and rating

	stat	calculation
1	rating_corr	`safe_cor((ma30-ma200)/ma200,best_analyst_rating,method='spearman')`



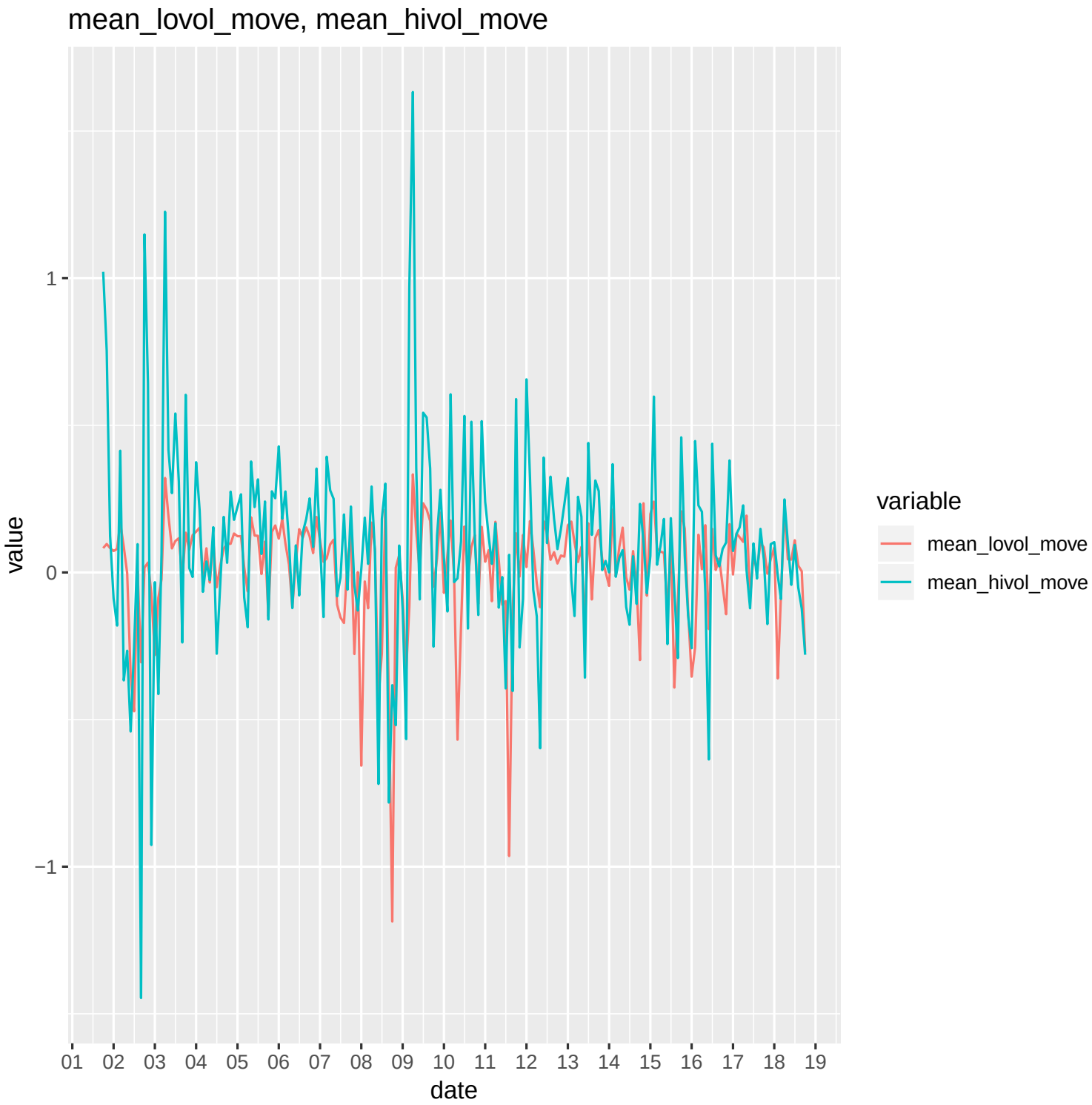
8 correlation of 1m realized volatility and size of daily move

	stat	calculation
1	rating_corr	`safe_cor(abs(tret),vol_30d,method='spearman')`



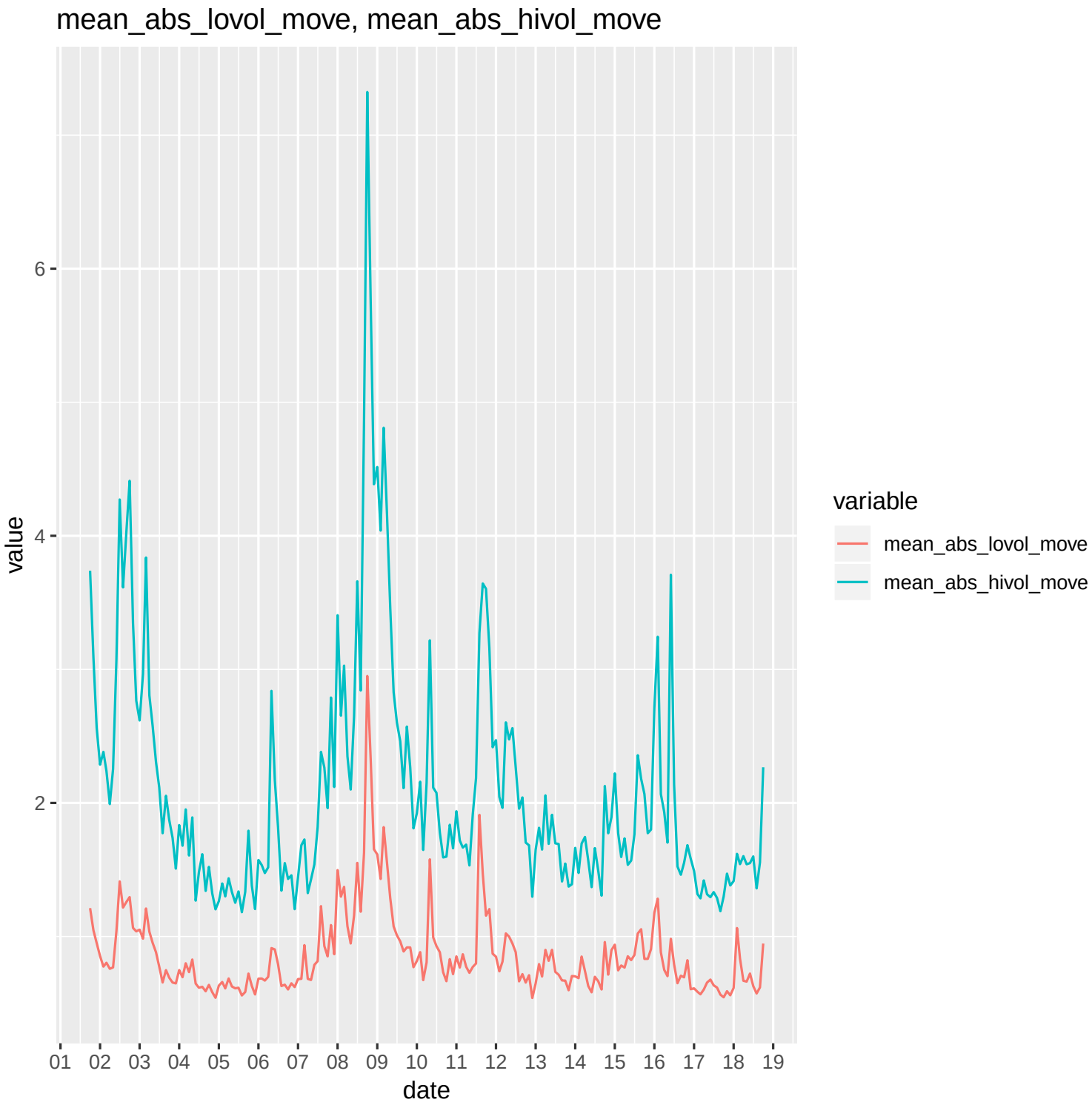
9 mean abs lovol, hivol move

	stat	calculation
1	mean_lovol_move	`mean(tret[vol_30d<quantile(vol_30d,0.25)])`
2	mean_hivol_move	`mean(tret[vol_30d>quantile(vol_30d,0.75)])`



10 mean abs lovol, hivol move

	stat	calculation
1	mean_abs_lovol_move	`mean(abs(tret[vol_30d<quantile(vol_30d,0.25)]))`
2	mean_abs_hivol_move	`mean(abs(tret[vol_30d>quantile(vol_30d,0.75)]))`

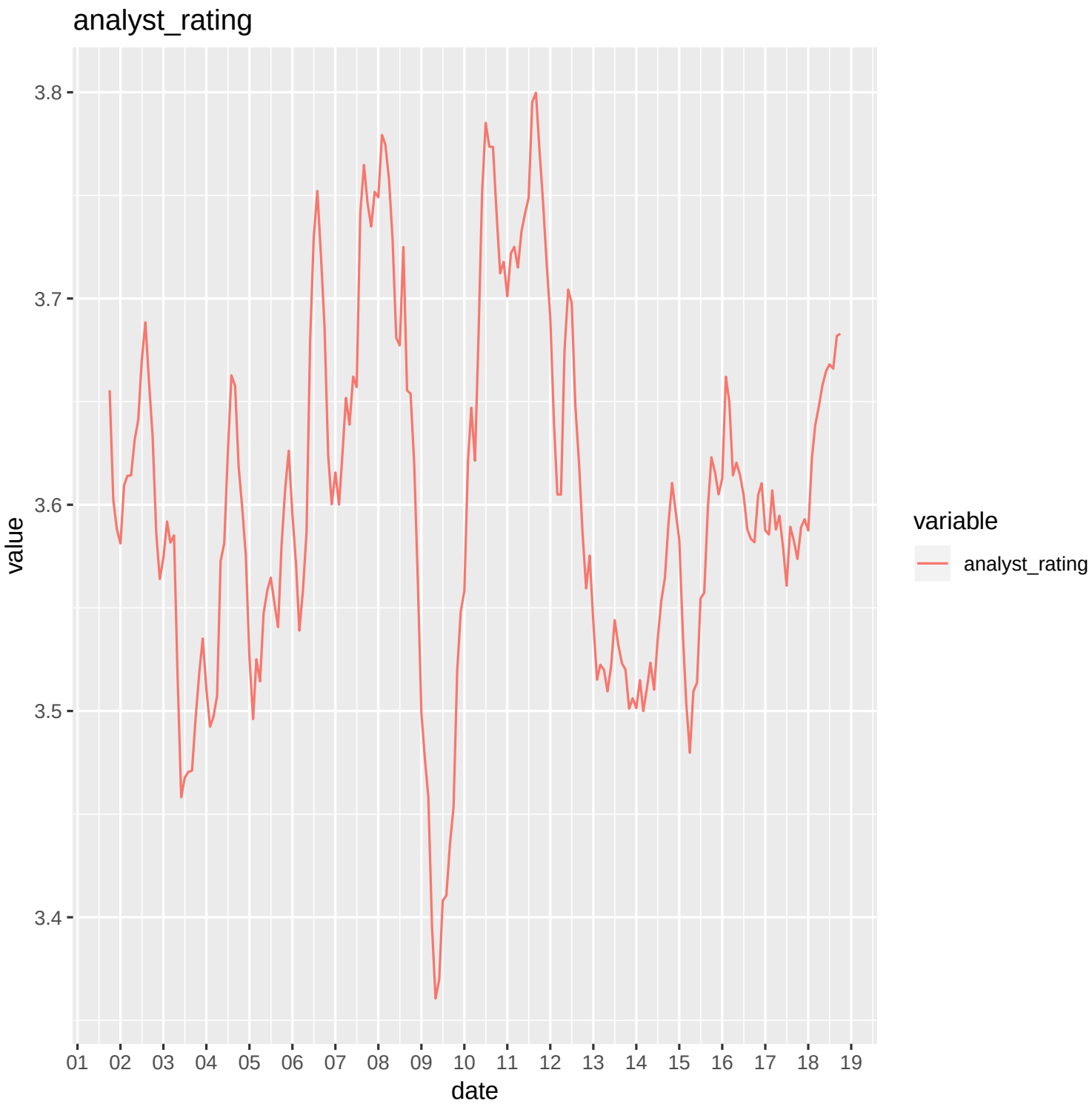


11 beta plus, beta minus

	stat	calculation
1	mean_beta_plus	`mean(beta_plus[!is.na(beta_plus)])`
2	mean_beta_minus	`mean(beta_minus[!is.na(beta_minus)])`

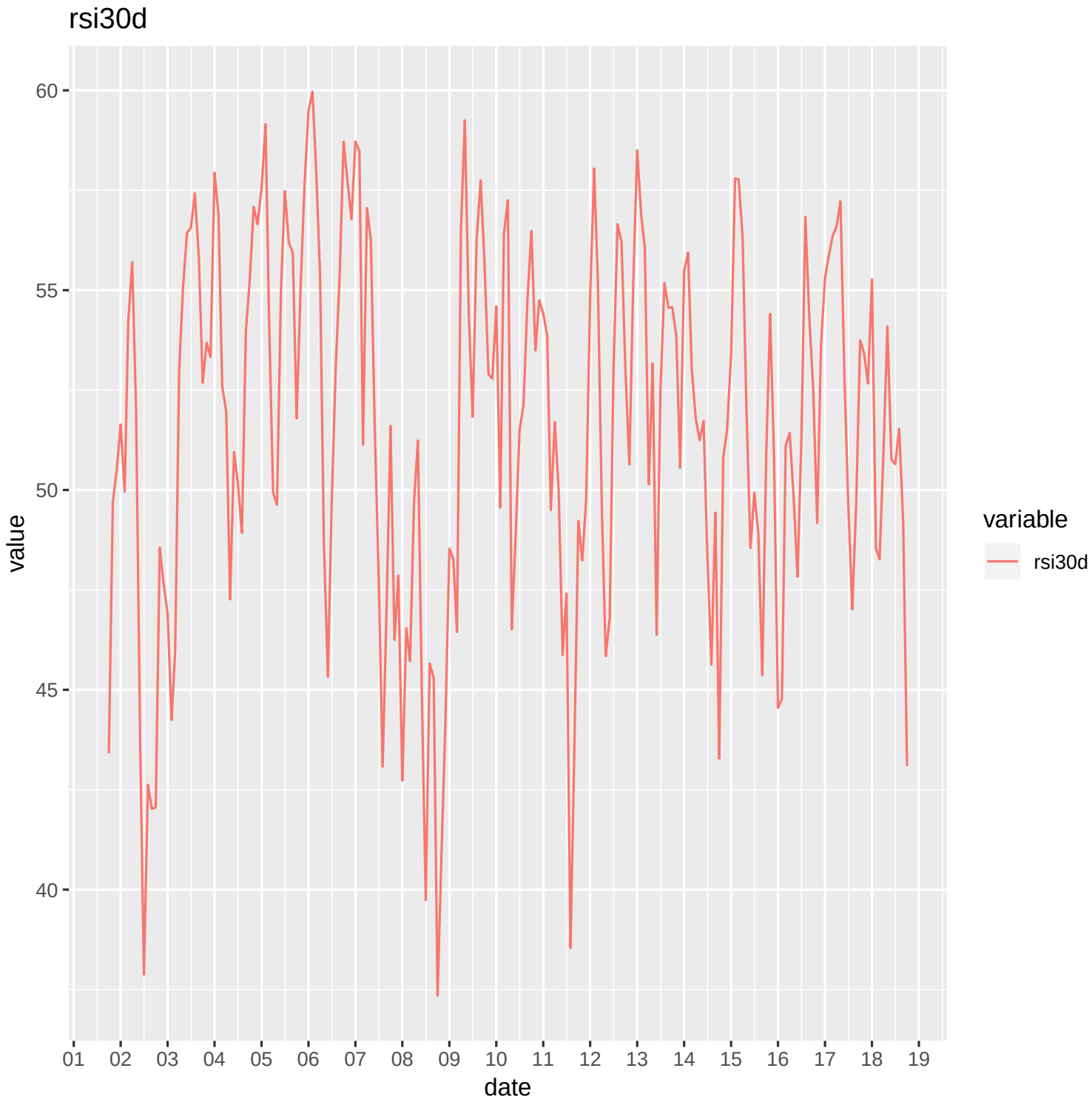
12 analyst ratings

	stat	calculation
1	analyst_rating	mean(best_analyst_rating[!is.na(best_analyst_rating)])



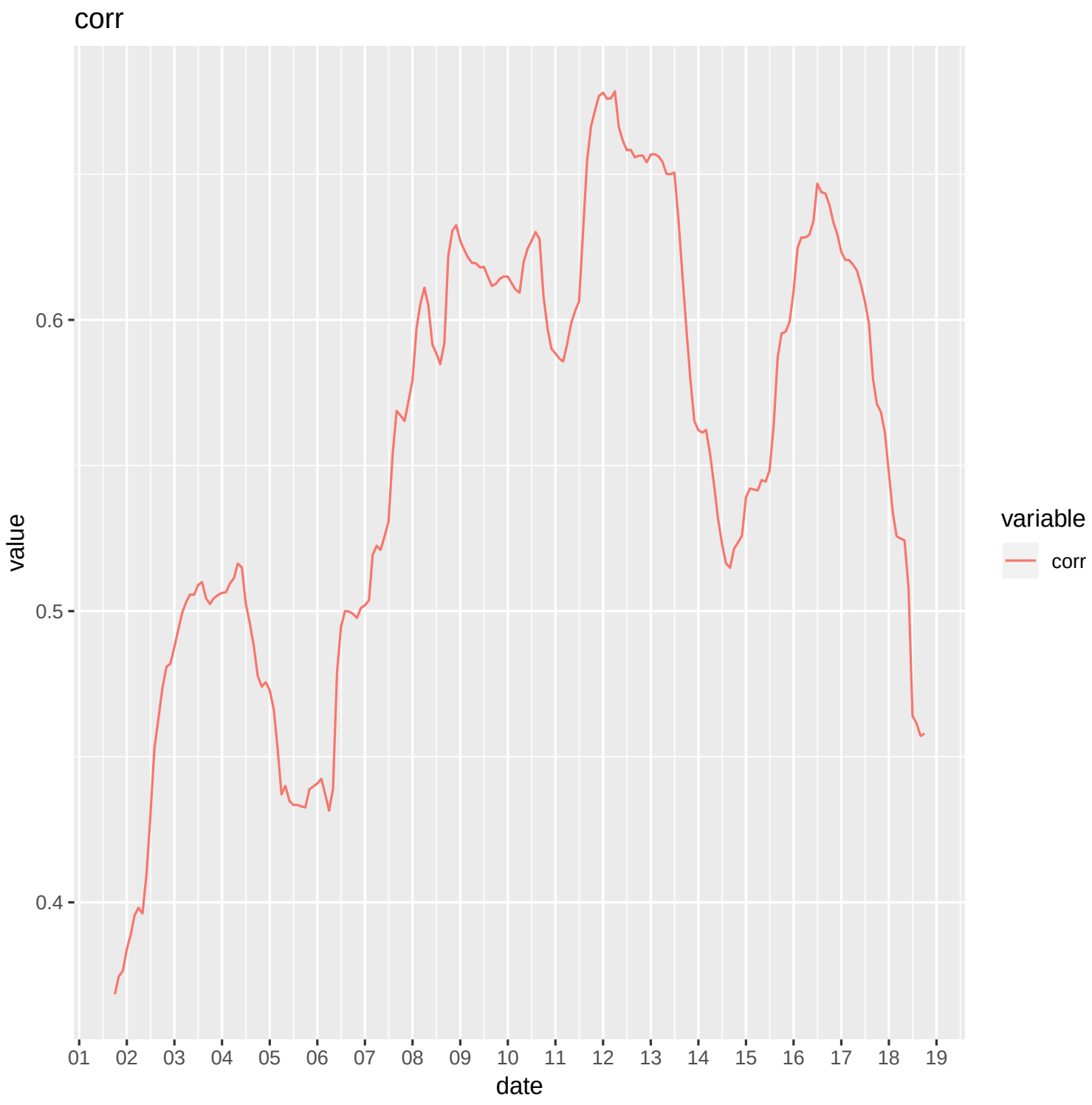
13 rsi

	stat	calculation
1	rsi30d	`mean(rsi30d[!is.na(rsi30d)])`



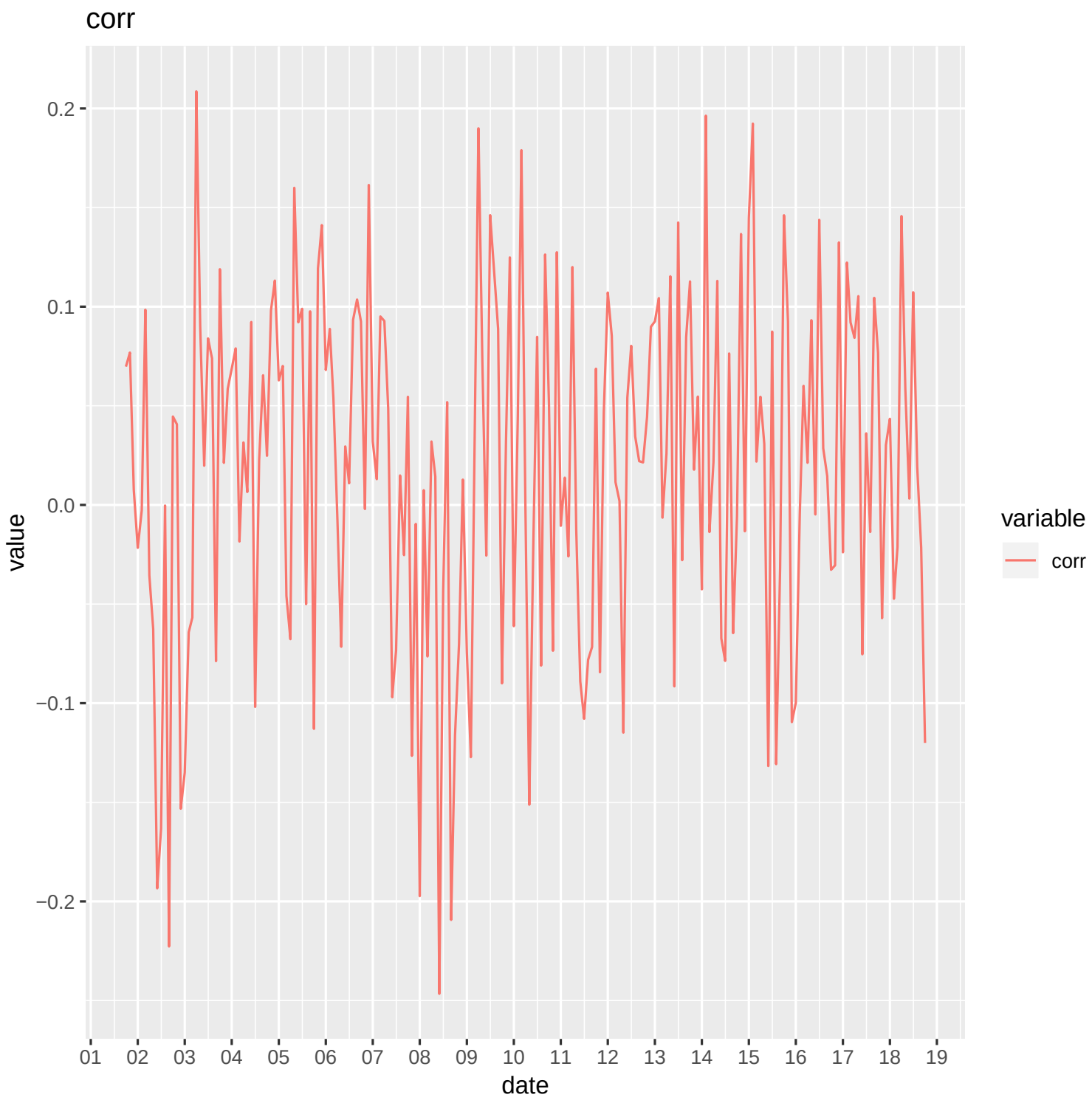
14 corr

	stat	calculation
1	corr	`mean(corr[!is.na(corr)])`



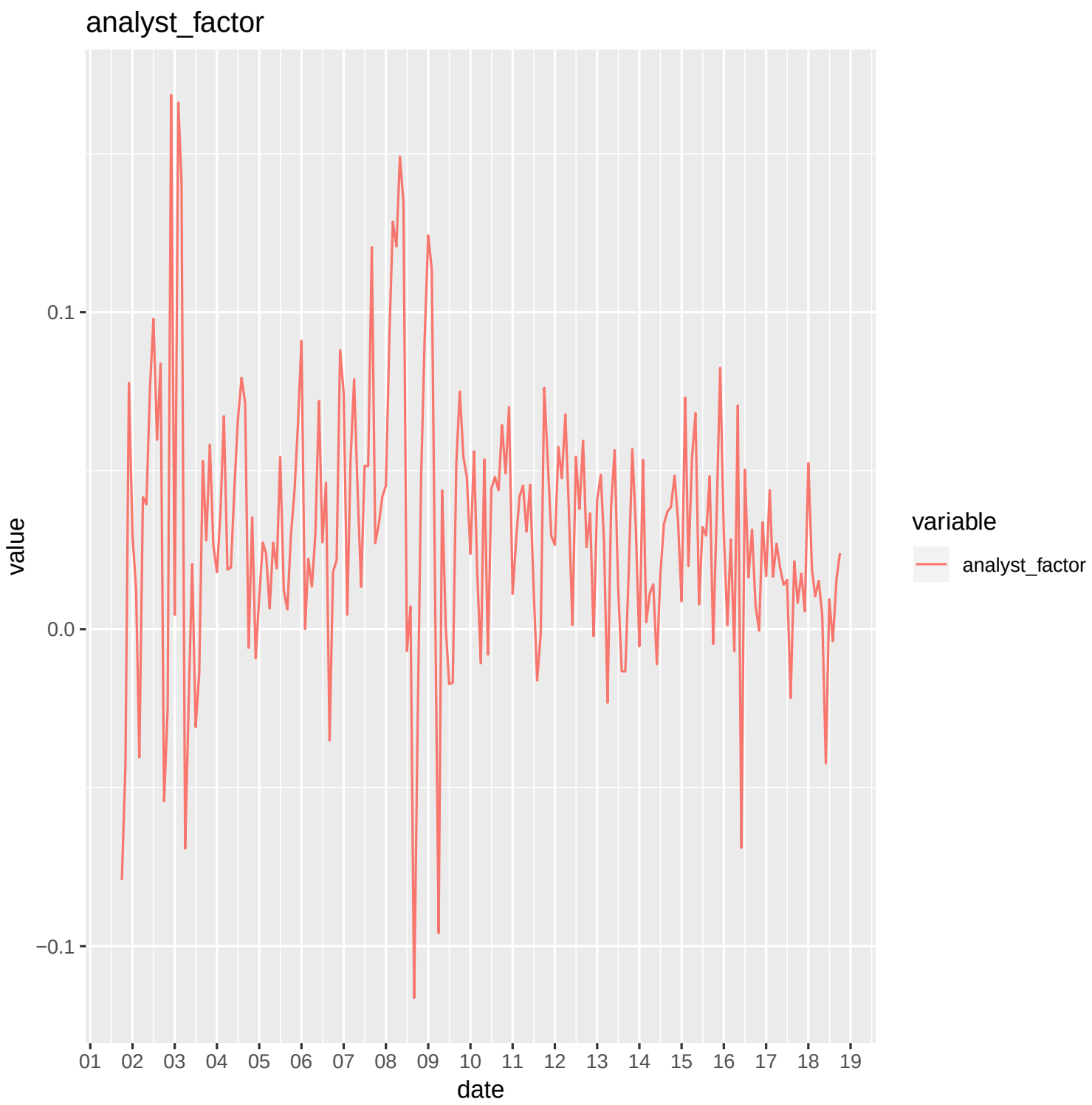
15 breadth

	stat	calculation
1	corr	`mean(sign(tret))`



16 analyst rating factor basket

	stat	calculation
1	analyst_factor	mean(position_on_factor(tret-0.5*(beta_plus+beta_minus)*(ticker=='SXXP Index')*tret,best_analyst_rat



17 mean streak, days