Data description:

The data contains daily adjusted stock prices from 2015/05/01 to 2016/04/25 (T=248) of 10 Internet and Software stocks in S&P500.

Method:

Four types of copula (Gaussian, t, Clayton and Gumbel) are used to fit returns of 10 Internet and Software stocks in S&P500 (time period: 2015/05/01-2016/04/25), Corresponding parameters and Kendall's tau, Spearman's rho and tail dependence matrix of relevant estimated copula are computed and saved. The simulation is also based on these four copula.

Results:

Parameter estimates are save in normrho, trho, tdf, delta_clay, tau_clay, tail_Lower, delta_gum, tau_gum, tail_upper. Simulations are displayed below:

We can see that Gussian and Student t are symmetric, but t has more extreme values, Clayton and Gumbel are not symmetric, Clayton has lower tail dependence and Gumbel has upper tail dependence.