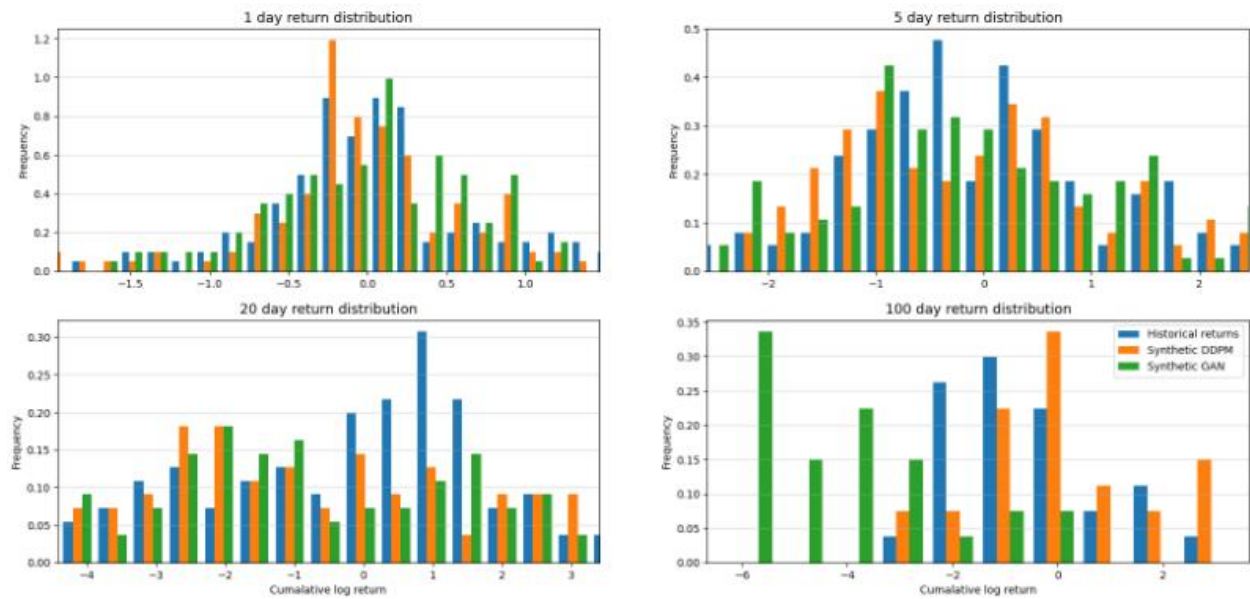
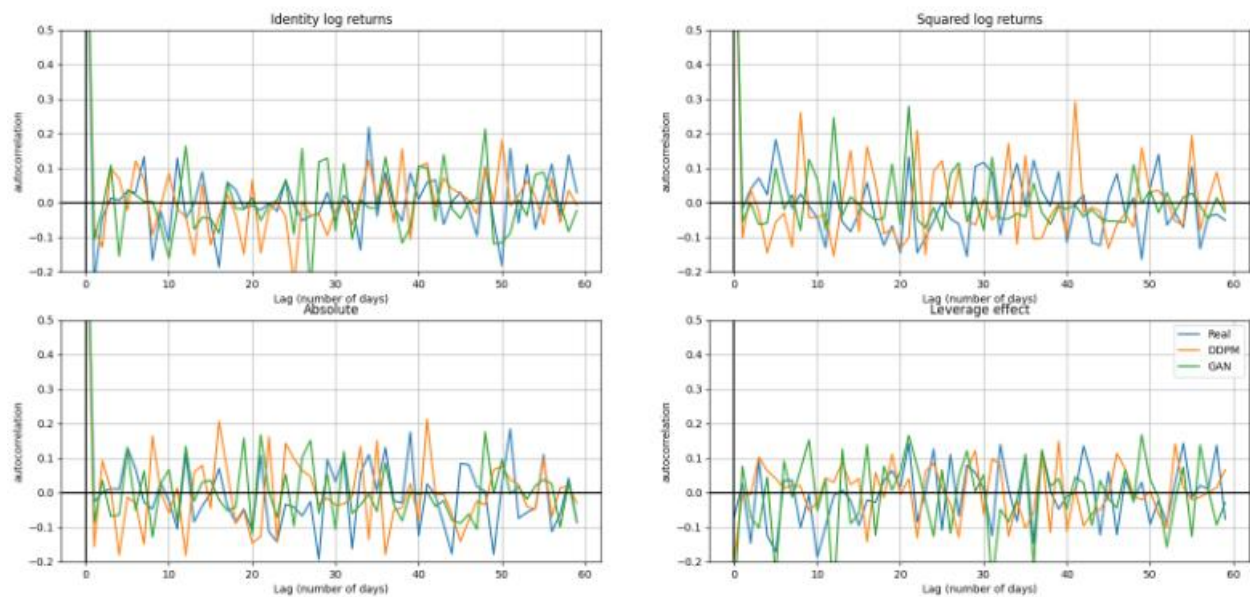


Results - Modelling Financial Time series data

QuantGAN_return_train SPY 2016-2019 return distribution



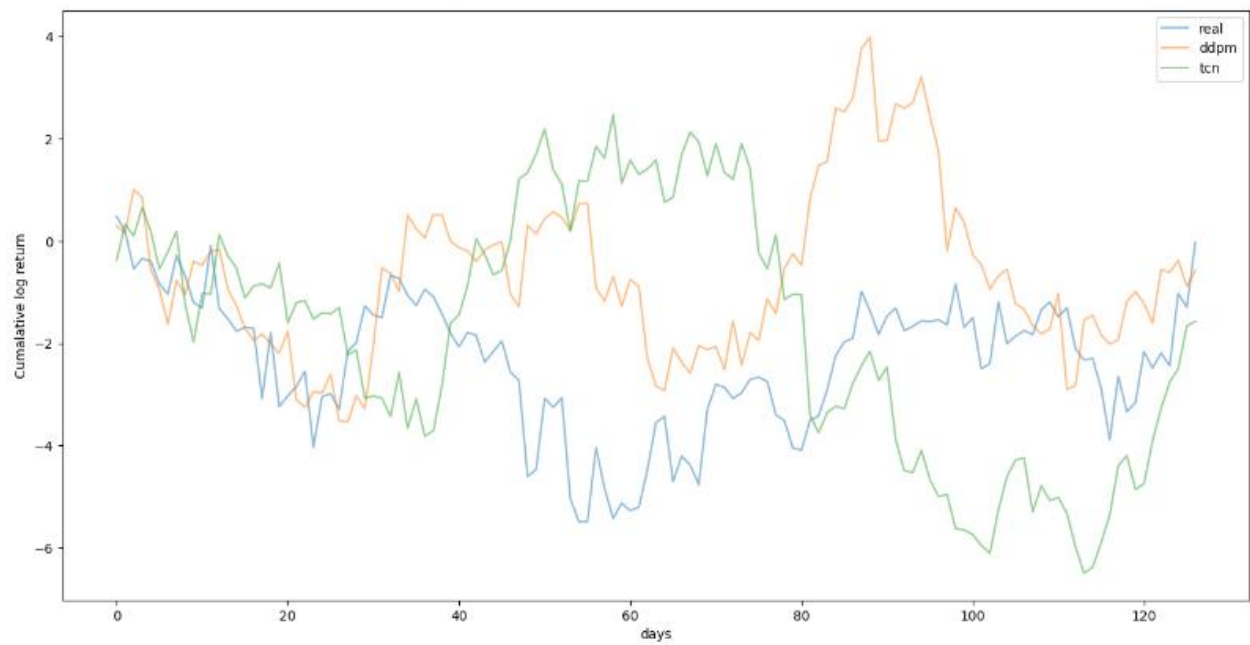
Autocorrelation of time series dependency



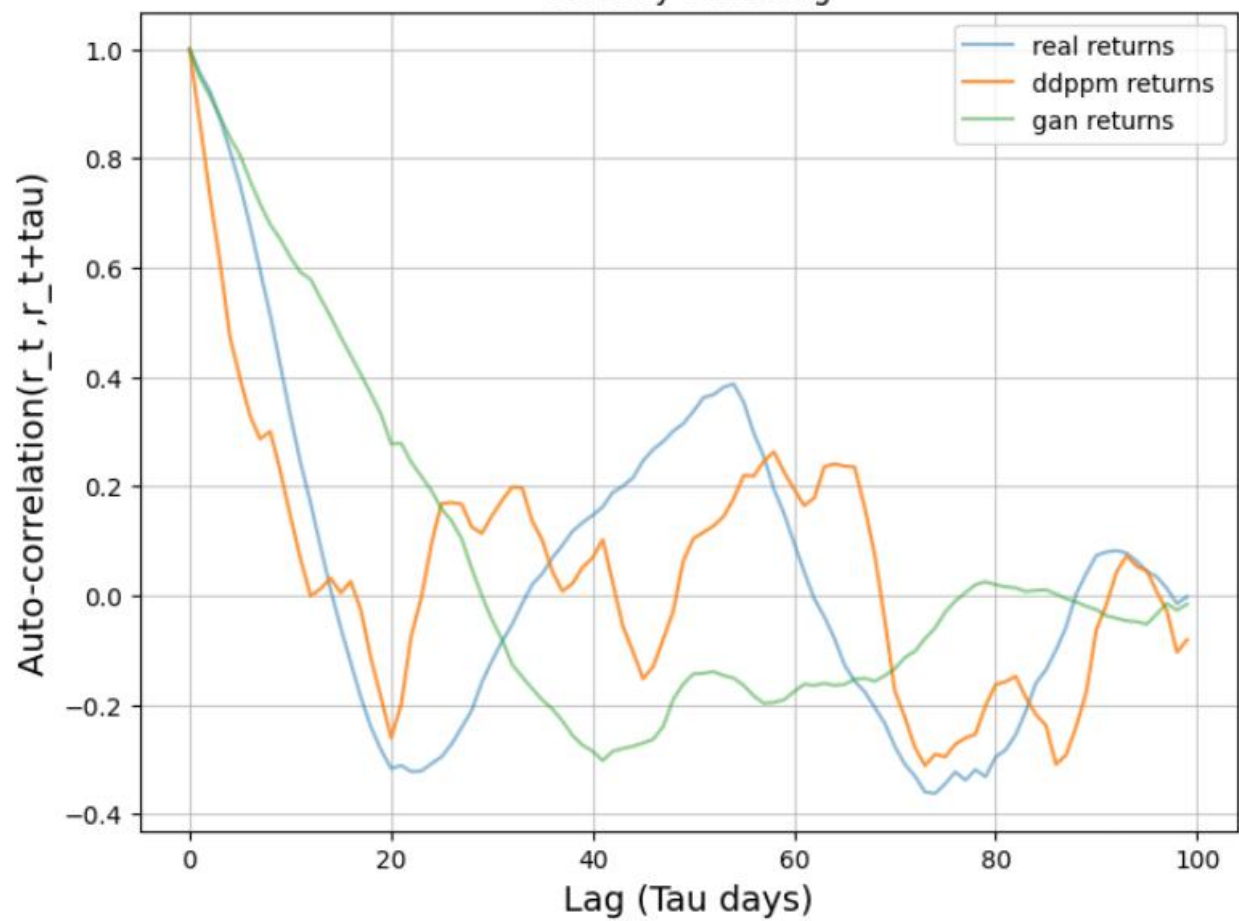
Stock Metrics

	QuantGan	TabDDPM
EMD(1) ↓	8.033986e-04	4.403211e-04
EMD(5) ↓	2.058422e-03	1.818781e-03

EMD(20) ↓	1.072807e-02	8.936049e-03
EMD(100) ↓	1.269983e-01	2.054403e-02
K-S Test (p-value) ↑	42.455190%	96.380698%
ACF(·) ↓	1.211521e-01	1.056656e-01
ACF(·) ↓	1.115744e-01	1.326045e-01
ACF((·) ²) ↓	1.027946e-01	1.374898e-01
Leverage Effect ↓	1.310409e-01	1.083866e-01
ACF Score ↓	2.342331e-01	2.437218e-01



Volatility Clustering



Leverage Effect

