Deadline 6/12 (submit PDF via PandA system)



- Discuss the similarity and difference between Kalman filter and hidden Markov model (forward algorithm).
- 2. Explain how to estimate the coefficients a_1 and a_2 of the auto-regressive model (AR model)

$$y_t = a_1 y_{t-1} + a_2 y_{t-2} + \varepsilon_t$$

from observed sequence data $y_1, y_2, ..., y_T \in R$. (optional)

3. Apply AR model estimation to any real data and evaluate short-term prediction.