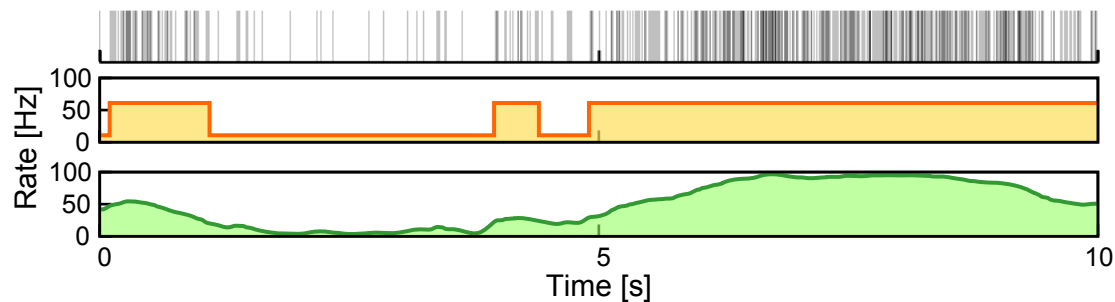


# D-30: 脳神経コーディング様式の統計解析

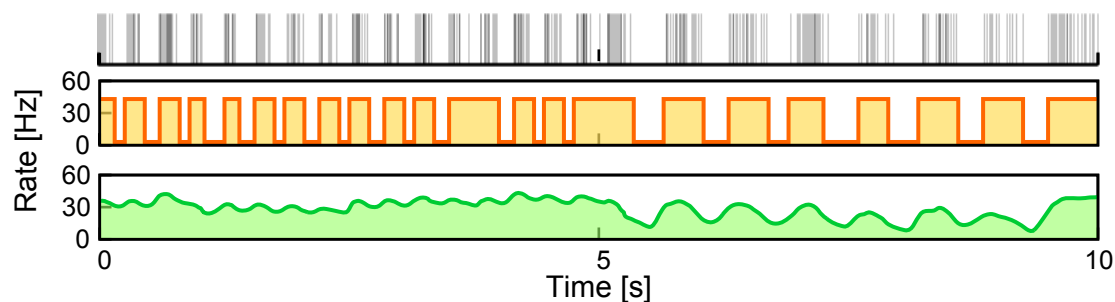
望月 泰博・篠本 滋 (京都大学 理学研究科)

- 神経情報のコーディング問題
- Analog VS Digital coding という新たな視点の提案
- Analog OR Digital coding を決定する手法の提案
- 機能領野間のコーディング様式の違い

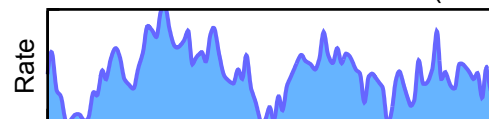
Neuron A:



Neuron B:



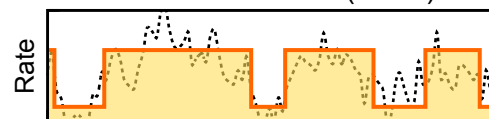
Ornstein-Uhlenbeck Process (OUP)



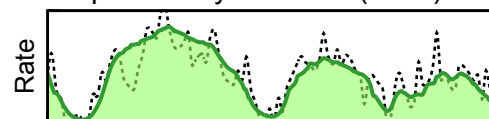
Spike train



Hidden Markov Model (HMM)



Empirical Bayes Model (EBM)



Time

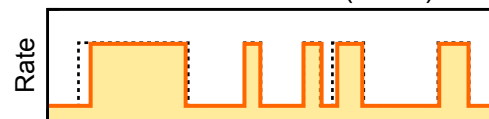
Switching State Process (SSP)



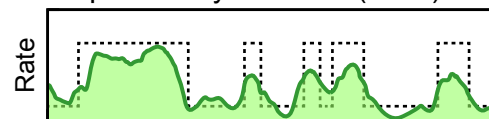
Spike train



Hidden Markov Model (HMM)



Empirical Bayes Model (EBM)



Time

