

CURRICULUM VITAE

August 1, 2018

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Journal Publications:

- Araki, K., Hirose, Y., and Komaki, F. (2018). Paired comparison models with age effects modeled as piecewise quadratic splines, *International Journal of Forecasting*, in press, available online.
- Tanaka, T., Hirose, Y., and Komaki, F. (2018). Second-order matching prior family parametrized by sample size and matching probability, *Statistical Papers*, in press, available online.
- Takasu, Y, Yano, K, and Komaki, F. (2018). Scoring rules for statistical models on spheres, *Statistics and Probability Letters*, pp. 111–115.
- Komaki, F. and Biswas, A. (2018). Bayesian optimal response-adaptive design for binary responses using stopping rule, *Statistical Methods in Medical Research*, vol. 27, pp. 891–904.
- Koyama, T., Matsuda, T., and Komaki, F. (2017). Minimax estimation of quantum states based on the latent information priors, *Entropy*, vol. 19, 618; doi:10.3390/e19110618 (22 pages).
- Shibue, R. and Komaki, F. (2017). Firing rate estimation using infinite mixture models and its application to neural decoding, *Journal of Neurophysiology*, vol. 118, pp. 2902–29.
- Yano, K. and Komaki, F. (2017). Asymptotically minimax prediction in infinite sequence models, *Electronic Journal of Statistics*, vol. 11, pp. 3165–3195.
- Matsuda, T. and Komaki, F. (2017). Multivariate time series decomposition into oscillation components, *Neural Computation*, vol. 29, pp. 2055–2075.

- Matsuda, T., Kitajo, K., Yamaguchi, Y., and Komaki, F. (2017). A point process modeling approach for investigating the effect of online brain activity on perceptual switching, *NeuroImage*, vol. 152, pp. 50–59.
- Matsuda, T. and Komaki, F. (2017). Time series decomposition into oscillation components and phase estimation, *Neural Computation*, vol. 152, pp. 50–59.
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- Kojima, M. and Komaki, F. (2016). Relations between the conditional normalized maximum likelihood distributions and the latent information priors, *IEEE Transactions on Information Theory*, vol. 62, pp. 539–553.
- Kojima, M. and Komaki, F. (2016). Determinantal point process priors for Bayesian variable selection in linear regression, *Statistica Sinica*, vol. 26, pp. 97–117.
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- Hirose, Y. and Komaki, F. (2015). An estimation procedure for contingency table models based on the nested geometry, *Journal of the Japan Statistical Society*, vol. 45, pp. 57–75.
- Komaki, F. (2015). Asymptotic properties of Bayesian predictive densities when the distributions of data and target variables are different, *Bayesian Analysis*, vol. 10, pp. 31–51.
- Yano, K. and Komaki, F. (2014). Asymptotically constant-risk predictive densities when the distributions of data and target variables are different, *Entropy*, vol. 16, pp. 3026–3048.
- Komaki, F. (2013). Bayesian testing of a point null hypothesis based on the latent information prior, *Entropy*, vol. 15, pp. 4416–4431.
- Hirose, Y. and Komaki, F. (2013). Edge selection based on the geometry of dually flat spaces for Gaussian graphical models, *Statistics and Computing*, vol. 23, pp. 793–800.
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