Curriculum Vitae

Keisuke Hanada

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Contact Information

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Working Experience

2024/4 -	Specially Appointed Assistant Professor, Graduate School of Engineering Science, Osaka University
2019/4 - 2024/2	Biostatistician, Biometrics Department, Kyowa Kirin Co., Ltd

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Education

2020/4 - 2024/3	Ph.D. in Data Science, Shiga University Supervisor: Dr. Tomoyuki Sugimoto
2017/4 - 2019/3	M.S. in 数理情報工学科, Kagoshima University Supervisor: Dr. Tomoyuki Sugimoto
2013/4 - 2017/3	B.S. in 数理科学科, Hirosaki University Supervisor: Dr. Kimitoshi Tsutaya

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Research Publications

Peer-Reviewed Articles

1. Hanada, K., Moriya, J., & Kojima, M. (2024). Comparison of baseline covariate adjustment methods for restricted mean survival time. *Contemporary Clinical Trials*, 138, 107440.
2. Hanada, K., & Sugimoto, T. (2023). Inference using an exact distribution of test statistic for random-effects meta-analysis. *Annals of the Institute of Statistical Mathematics*, 75(2), 281-302.

Preprints

1. Hanada, K., & Sugimoto, T. (2024). Random-Effect Meta-Analysis with Robust Between-Study Variance. *arXiv preprint* arXiv:2407.04446.
2. Hanada, K., & Kojima, M. (2024). Bayesian Parametric Methods for Deriving Distribution of Restricted Mean Survival Time. *arXiv preprint* arXiv:2406.06071.
3. Hanada, K., & Kojima, M. (2024). Random Effect Restricted Mean Survival Time Model. *arXiv preprint* arXiv:2401.02048.
4. Kojima, M., Mano, H., Yamada, K., Hanada, K., Tanaka, Y., & Moriya, J. (2023). Adjusting confidence intervals under covariate-adaptive randomization in non-inferiority and equivalence trials. *arXiv preprint* arXiv:2312.15619.

Software and R Packages

1. rmstBayespara: Bayesian Restricted Mean Survival Time for Cluster Effect. R package. Available at: https://cran.r-project.org/web/packages/rmstBayespara/
2. metaMest: meta-analysis by M-estimator based approach. R package. Available at: https://github.com/keisuke-hanada/metaMest

Conference Presentations

1. Hanada, K., & Sugimoto, T. (2019). Non-Asymptotic Properties and Behaviors for Random-Effects Meta-Analysis When the Number of Studies Is Small", *The VI-th International Symposium on Biopharmaceutical Statistics*, Kyoto.

Grants and Funding

2024/7 - 2026/3 Japan Society for the Promotion of Science (JSPS), Grant-in-Aid for Research Activity Start-up [Principal Investigator]

2024/4 - 2027/3 Japan Society for the Promotion of Science (JSPS), Grant-in-Aid for Scientific Research (C) [Co-Investigator]

Academic Service

- **Peer Review**
  Japanese Journal of Statistics and Data Science, 2024
  Journal of the Royal Statistical Society: Series C (Applied Statistics), 2024
  Journal of the Japan Statistical Society, Japanese Issue, 2024

Research Publications (in Japanese)

原著論文

1. 花田圭佑, & 杉本知之. (2024). イベント時間アウトカムに対する個人データ復元と要約統計量に基づくメタアナリシスとその性能. 計量生物学, 45(1), 115-131.

学会発表

1. 花田圭佑, & 小島将裕. (2024). Random Effect Restricted Mean Survival Time Model, 2024 年度統計関連学会連合大会.
2. 花田圭佑, & 杉本知之. (2024). 少数試験メタアナリシスでの分散推定, 日本計算機統計学会第 38 回大会.
3. 花田圭佑. (2023). イベント時間アウトカムの個人データ復元とメタアナリシス, 第 5 回かごしまデータ科学シンポジウム.
4. 花田圭佑, 小島将裕, & 守屋順之. (2023). 制限付き平均生存時間 (RMST) の共変量調整法の比較, 2023 年度統計関連学会連合大会.
5. 花田圭佑. (2022). イベント数が少ないもとでの二値メタアナリシスの推測, 第 3 回かごしまデータ科学シンポジウム.
6. 花田圭佑, & 杉本知之. (2019). 試験数が少ない場合のランダム効果メタアナリシスの非漸近的性質, 日本計算機統計学会第 33 回シンポジウム.
7. 花田圭佑, & 杉本知之. (2018). ランダム効果 DL 層別解析における標本分布, 日本計算機統計学会第 32 回シンポジウム.
8. 花田圭佑, & 杉本知之. (2018). 正規母集団におけるランダム効果層別解析における標本分布, 大分統計談話会第 57 回大会.
