

Project 2:

Prepare a presentation about different randomization procedures using the package randomizeR and its accompanying paper (Uschner et al, 2018).

- Explain the following randomization procedures: complete randomization (CR), random allocation rule (RAR) and truncated binomial design (TBD)
- Explain the following assessment criteria for the randomization procedures: correct guess (convergence difference and divergence difference) and maximum imbalance.
- Assess the above randomization procedures in a clinical trial of 20 individuals to be allocated to 2 treatment groups.
- Assess the above randomization procedures in a clinical trial of 150 individuals to be allocated to 2 treatment groups.

Reference:

Uschner, D., Schindler, D., Hilgers, R.-D., & Heussen, N. (2018). randomizeR: An R Package for the Assessment and Implementation of Randomization in Clinical Trials. *Journal of Statistical Software*, 85(8), 1–22. <https://doi.org/10.18637/jss.v085.i08>