# Simulation Results

* In the linear case with k=1 things go wrong
* In the non-linear case random forest effect estimates are unbiased
* Smaller k, larger n, less correlation results in more accurate effect estimates
* Given number of trees used for RF, larger n results in more 0-estimates for SE-estimates of variable effects
* Mean of Standard error estimates of variable effects are often close to Standard deviation of effect estimates (exception: Interaction effect 🡪 Maybe did sth wrong in calculation?)

**Questions:**

* Why is there Bias for linear functional estimates (Curse of dimensionality makes not really sense since things work out in non-linear case)
* Why does k give less biased estimates
* 0-values for standard error estimates of variable effects: 🡪