

Controlling the Global False Discovery Rate under chunking - the FastLSU

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The FastLSU - a new faster algorithm for applying the BH-LSU, resilient under chunking

- ▶ Performing multiple hypothesis testing on parallel batches seems to be a useful computational approach.
- ▶ However, parallel hypothesis testing usually tend to collect global inflated type I error.
- ▶ We propose the FastLSU, a new alternative algorithm for controlling the Benjamini-Hochberg False Discovery Rate.
- ▶ The FastLSU, is $O(m)$ and selects the exact same significances for chunked subsets as the BH-LSU would give for the combined case.