

Adaptive Methods in Clinical Research

Solution to Practical 3: Designing Multi-Arm Multi-Stage Studies

The solution to the final table is given below, and the code computing the design characteristics can be found in the file `P3-MAMS-Solutions.R`

| Design | Lower Bound | Upper Bound | Final Crit. Value | SS at each stage | Maximum SS | Expected SS under NULL | Expected SS under LFC |
|----------|----------------|----------------|----------------------|---------------------|---------------|---------------------------|--------------------------|
| Design 0 | - | - | 2.16 | 117 | 585 | 585 | 585 |
| Design 1 | 0.00 | Inf | 2.157 | 59 | 590 | 462 | 541 |
| Design 2 | 0.00 | 2.908 | 2.181 | 61 | 610 | 474 | 460 |