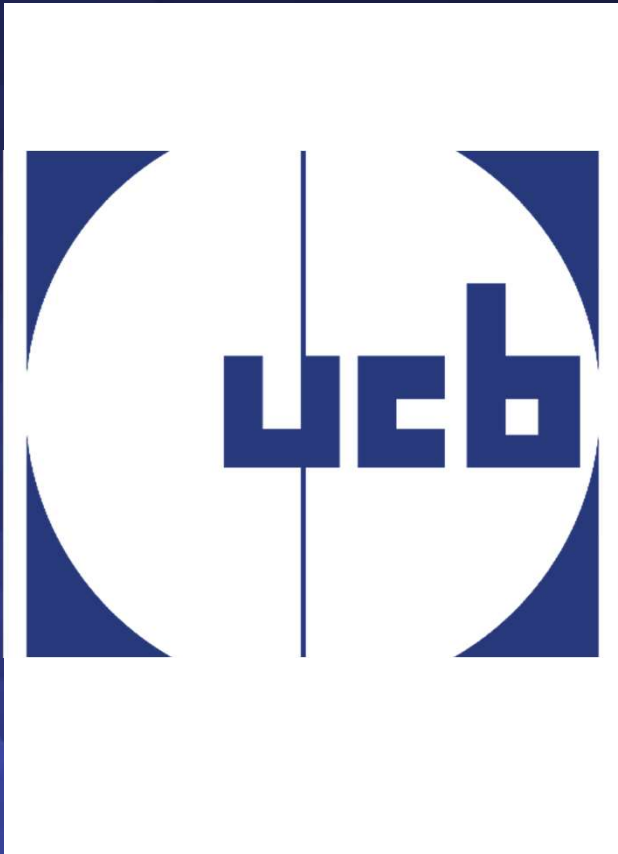


AUTOMATION OF STATISTICAL ANALYSES & CRO REPORTING USING R



Issues and challenges

- UCB faces a high volume of time-consuming tasks (reporting, repetitive analysis, etc.)
- Difficult to answer the number of daily/weekly requests
- Some analyses we done via SAS and needed to be migrated to R to reduce costs



Solution

- Series of 5 projects aiming to take advantage of the capabilities of R/Rstudio as well as the large amount of open-source packages available
- Automation of R statistical routines & creation of user-friendly functionalities
- Automation of CRO reporting in word/pdf documents



Results and Benefits

- Time consuming redaction of CRO reports was 90% automated
- SAS codes were successfully migrated to R : cost decrease
- All analyses were packaged in flexible & reusable functionalities