SASA Workshop: Automated setting of statistics assessments using R

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Tuesday 25 November 2025

Time	Activity
09h00-09h10	Welcome and Overview
09h10-09h20	Installation of R, RStudio, and relevant R Packages (tinytex, exams, knitr, RSymPy, etc.)
09h20-09h50	R Markdown, Quarto, and Sweave
09h50-10h10	Setting an assessment template in R Markdown
10h10-10h30	Setting and compiling an assessment generating script in R
10h30-10h40	Comfort Break
10h40-11h30	Setting self-solving statistics questions using R functions
11h30-12h30	Writing self-solving mathematical statistics questions using RSymPy
12h30-13h30	Lunch Break
13h30-13h40	Recap of Morning Session and Overview of Afternoon Session
13h40-13h50	Demo of Auto-generated, Randomised LMS Assessments imported from R
13h50-14h50	Setting R Markdown (or Sweave) Question Templates for LMS using R-exams
14h50-15h20	Writing an assessment-generating script in R using exams2xyz functions
15h20-15h30	Deploying R-exams assessments in the LMS
15h30-15h40	Comfort Break
15h40-16h50	Practice and Q&A
16h50-17h00	Recap and Closure