Table 1: Examples of how different types of trainees might use subsets of the training modules to meet their specific training needs.

	Graduate student who would like to learn in detail how to use reproducibility tools for data recording and pre-processing and is willing to learn R programming tools	Principal investigator who does not program but would like to learn how his/her research team could improve reproducibility of data recording and pre-processing	Biostatistician who would like to understand barriers faced by collaborators in implementing reproducibility principles early in research projects	Technician in charge of running and pre-processing mass spectrometry data	Undergraduate student who wants an introduction to improving reproducibility of data recording
Improving the Reproducibility of Experimental Data Recording	 1a				
 Separating data recording and analysis 	Yes	Yes	Yes	No	Yes
 Principles and power of structured data formats 	Yes	Yes	No	No	Yes
 The 'tidy' data format: an implementation of a structured data format 	Yes	Yes	No	No	No
 Designing templates for 'tidy' data collection 	Yes	Yes	No	No	No
 Example: Creating a template for 'tidy' data collection 	Yes	Yes	Yes	No	No
 Power of using a single structured 'Project' directory for storing and tracking research project files 	Yes	Yes	No	No	Yes
 Creating 'Project' templates 	Yes	No	No	No	No
 Example: Creating a 'Project' template 	Yes	Yes	Yes	No	No
 Harnessing version control for transparent data recording 	Yes	Yes	No	No	Yes
 Enhance the reproducibility of collaborative research with version control platforms 	Yes	Yes	No	No	Yes
 Using git and GitLab to implement version control 	Yes	No	No	No	No
Improving the Reproducibility of Experimental Data Pre-Producibility	essing				
Principles and benefits of scripted pre-processing of experimental data	Yes	Yes	No	Yes	No
 Introduction to scripted data pre-processing in R 	Yes	No	No	Yes	No
 Simplify scripted pre-processing through R's 'tidyverse' tools 	Yes	No	No	Yes	No
 Complex data types in experimental data pre-processing 	Yes	Yes	Yes	Yes	No
 Complex data types in R and Bioconductor 	Yes	No	Yes	Yes	No
 Example: Converting from complex to 'tidy' data formats 	Yes	Yes	Yes	Yes	No
 Introduction to reproducible data pre-processing protocols 	Yes	Yes	No	Yes	No
 RMarkdown for creating reproducible data pre-processing protocols 	Yes	No	No	Yes	No
 Example: Creating a reproducible data pre-processing protocol 	Yes	Yes	Yes	Yes	No