Questionnaire for assessment of R-Training at EBI

1. Which statistical software did you use during the past three months:
   1. Excel
   2. R
   3. SPSS
   4. PopGen
   5. GenAIEx
   6. NTSYS
   7. Other, please specify:
2. Can you summarize in one sentence for what you have used statistical software?

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1. In which year did you participate in the basic R-training?
   1. 2019
   2. 2018
   3. Before 2018
   4. Don’t know
2. From your personal point of view, is the use of R relevant for your day-to-day activities at EBI?
   1. Yes
   2. No
   3. Don’t know
3. From your personal point of view, is the use of R relevant for your research activities at EBI?
   1. Yes
   2. No
   3. Don’t know
4. Did you use any statistical software before you participated in the R-training?
   1. Yes
   2. No
   3. Don’t know
5. If yes, which software did you use?

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1. Since you participated in the basic R-training, did you use R to analyze data?
   1. Yes
   2. No
   3. Don’t know
2. Since you participated in the basic R-training, did you write or contribute to any reports, studies or articles using analysis in R?
   1. Yes
   2. No
   3. Don’t know
3. If yes, how many reports, studies or articles did you write?

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1. If yes, can you please specify the titles or topics of the report/study or article:
   1. Report/study/article 1:
   2. Report/study/article 2:
   3. Report/study/article 3:

We will ask you a series of questions on the specific topics covered in the basic R-training:

1. Is R installed on your personal or work computer?
   1. Yes
   2. No
   3. Don’t know
2. Are you currently able to run R on your personal or work computer?
   1. Yes
   2. No
   3. Don’t know
3. Did you import datasets from Excel or Access into R and open the data as R file?
   1. Yes
   2. No
   3. Don’t know
4. After the training, did you use R to manage your data (naming of trials or traits, sorting of data, for example to sort the dataset according to accession number)?
   1. Yes
   2. No
   3. Don’t know
5. After the training, did you use R to describe your data, for example to summarize information on certain traits, e.g. average, minimum or maximum plant height?
   1. Yes
   2. No
   3. Don’t know
6. Have you ever tried to write different models for analysis by yourself?
   1. Yes
   2. No.
   3. I do not know what it means to “write a model for analysis.”
7. If no, can you specify why not:
   1. There was no need to use a model so far.
   2. I only copied code from the manual to do analysis so far. That was enough for my use.
   3. I tried to write a model, but I did not succeed.
   4. Other: please specify
8. After the training, did you use R to conduct an ANOVA analysis for different experimental design (CRD, RCBD, Lattice design, split plot etc.)?
   1. Yes
   2. No
   3. Don’t know.
9. If yes, for which experimental designs did you apply? (Multiple Answers possible)
   1. Completely Randomized Design (CRD)
   2. Randomized Complete Block Design (RCBD)
   3. Lattice design
   4. Split Plot
   5. I have used none of the experimental designs mentioned above so far.
   6. I do not know what these experimental designs are.
10. If yes, can you specify what you analyzed with ANOVA?

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1. After the training, did you use R to conduct a least significant difference (LSD) analysis?
   1. Yes
   2. No
   3. I do not know what a “least significant difference analysis” is.
2. After the training, did you use R to apply a mixed model?
   1. Yes
   2. No
   3. I do not know what a “mixed model” is.
3. Are you currently working on proposals for research which involve the use of R?
   1. Yes
   2. No
   3. Don’t know
4. If yes, can you please summarize the proposal & how R is or will be used?

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1. Have you ever faced a problem when using R and that you could not solve using the training manual, for example you entered a command that led to an error message?
   1. Yes
   2. No
   3. Don’t know
2. If yes, were you able to solve the problem?
   1. Yes
   2. No
   3. Don’t know
3. If yes, what did you do to solve the problem?

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1. If you were to participate in advanced R-training, which areas would be of particular interest to you?

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1. What is your position in EBI?
   1. Technician
   2. Researcher
   3. Senior Researcher
   4. Group/Case Team leader
   5. Other, please specify:
2. At which research center or field gene bank are you based?
   1. EBI Headquarter, Addis Ababa
   2. Holeta
   3. Debre Zeyit
   4. Kulumsa
   5. Other: please specify
3. Are you currently enrolled in an academic course, such as a BSc, MSc or PhD program?
   1. Yes
   2. No
   3. Don’t know
4. If yes, what degree are you pursuing?
   1. Bachelor’s
   2. Master’s
   3. PhD
   4. Other: please specify
5. Have you completed an academic course, such as a BSc, MSc or PhD program during the last 2 years?
   1. Yes
   2. No
   3. Don’t know
6. If yes, what degree did you complete?

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1. If you are currently pursuing or if you have recently completed a degree, have you applied or are you going to apply R in the course of your program?
   1. Yes
   2. No
   3. Don’t know
2. If you are currently pursuing or if you have recently completed a degree, would you say that R is more relevant for your degree or for your work at EBI?
   1. More relevant for my degree
   2. More relevant for my work at EBI
   3. Equally relevant for both
   4. Don’t know
3. What is your gender?
   1. Male
   2. Female
   3. Other
4. What is your name?

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