

Supporting Statistics Research Postgraduates to Teach Quantitative Data Analysis to Postgraduate Students Without a Statistics Background

A collaboration between the Department of Statistics and Centre for Learning Enhancement And Research (CLEAR), The Chinese University of Hong Kong

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Pre-training Questionnaire for Statistics Research Postgraduates

Thank you for your participation in our project. The project aims to prepare and engage research postgraduates in Statistics to conduct workshops on various statistical analysis methods for other postgraduate students interested in or who need some knowledge about a certain statistical method for their research studies.

Before you embark on the training, this pre-training questionnaire collects your current understanding and thoughts on knowledge, skills, and strategies relevant to teaching statistics to students without a statistics background. We will send you a post-training questionnaire after you have completed your workshop(s).

For any enquiries, please free to email Miss Leung at the Centre for Learning Enhancement And Research (Tel: 3943 3531 or irenelys@cuhk.edu.hk). **Please email your answers to Dr. Wright (jawright@cuhk.edu.hk) once you have finished.**

The questions are on the following page. There are ten questions: questions 1-6 and question 10 require written answers, you may write as much as you like; questions 7-9 require a single numerical response.

Questions

1. Have you previously taught statistics to students without a statistics background?
If yes, please describe the circumstances and how it went.
2. Based on your understanding and experience, what are the key difficulties that students without a statistics background may face while learning statistics?
3. In your opinion, how does teaching statistics (in terms of what to teach and how to teach) to research postgraduates without a background in statistics differ from giving tutorials to undergraduate students who are majoring in STAT/RMSC/QFRM?
4. What do you think a postgraduate student without statistics background wants from a single 3-hour workshop on a statistical method?
5. What are some of the key challenges or difficulties that you anticipate **you** will have when teaching statistics to students without a background in statistics? How do you plan to address these challenges? How will you tailor your workshop learning materials for these students?
6. What support or training or resources would you like to help you prepare for teaching students without a statistics background in future?
7. "I fully understand the challenges students without a statistics background encounter when studying statistics". To what extent do you agree or disagree with this statement? Please score from 1 (completely disagree) to 7 (completely agree).
8. "I know how to plan and conduct a workshop that will succeed in teaching a specific statistical topic to students without a statistics background." To what extent do you agree or disagree with this statement? Please score from 1 (completely disagree) to 7 (completely agree).
9. Please rate your confidence in teaching students without a statistics background from 1 (no confidence) to 10 (complete confidence).
10. Is there anything else you would like to share?

End of the questionnaire. Thank you very much for your support.