Formal pedagogical education

University teacher and didactic basic course for teachers of the new courses at the DJF, Aarhus University

Administrative tasks relating to education

I am responsible for the overall PhD course organization for my study group Biostatistics. I plan the lecturing and exercises and the implementation of the written examinations for the course in basic biostatistics which is regularly presented twice a year.

Experience of study programmes, supervision and examination

From 2002 to 2008 I taught a course in 'generalized linear Model' for PhD students at the University of Aarhus. In 2004 and 2006 I lectured in a web-based master-course sited at the University of Southern Denmark course about that subject. Between 2009 to 2012 I gave courses in basic Biostatistics to bachelor students of agricultural sciences. In 2011 and 2012 I offered a Phd course on study design an analysis. Since 2013 I regularly present the course in basic biostatistics for the medical PhD students at SDU and contributed to the course in advance biostatistics. Since 2006 I organized regularly courses introducing to the statistical programming language R.
I am member of the Danish censor-corps for mathematics and statistics and served twice as a censor for a master degree in statistics and once for a bachelor degree.

Methods, materials, and tools

Most of the lectures are of the classical lecture type but interspersed with short pauses presenting a question animating the student to reflect about the just presented material. The exercises put more emphasis on activating the students having them to analyze subject-matter relevant datasets. Students learn her to master model-identification and practical implementation of a solution via application of an appropriate statistical software tool.

Educational development and applied research into teaching at university, including educational adwards

I reflect continuously about adapting my teaching to improve its gain for the students. I introduced a written examination at the end of the course in biostatistics 1, where the students have to deliver individually a report of some commonly presented dataset. This combines the possibility to discuss solutions with other students while maintaining the necessity for the own formulation of the results. For the exercises I try at the moment to improve a better separation of problem formulation from hints for solutions that supports student to concentrate more on own problem solving before glancing at the solution.