Statistical Modelling and Advanced Regression Analyses

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The course will consist of six components:

- October 12, 2018: Introduction to Statistics and R (Holger, Isa, Hannes; Humboldtallee 3, seminar room 0.104)
- October 19, 2018: Linear Models (Holger, Isa, Hannes; Convention Center by the Observatory, Geismar Landstr. 11, big seminar room)
- November 23, 2018: Generalized Linear Models (Thomas, Isa, Hannes; Humboldtallee 3, seminar room 0.104)
- November 30, 2018: Mixed Models (Thomas, Isa, Hannes; Humboldtallee 3, seminar room 0.104)
- January 11, 2019: Hands-on course on the PhD students' own projects (Thomas, Isa, Hannes; Humboldtallee 3, seminar room 0.104)
- May 2, 2019: Generalized Additive Models (Nadja, Isa, Hannes; Humboldtallee 3, seminar room 0.104)
- May 3, 2019: Spatial Statistics (Nadja, Isa, Hannes; Humboldtallee 3, seminar room 0.104)

Each day will consist of 3 hours of lectures in the morning (8:30 to 12:00 with 30 minutes break at around 10:00) and an additional 3 hours of exercise classes in the afternoon (13:30 to 17:00 with 30 minutes break at around 15:00) where the PhD students will work on either their own data or the problems provided for the tutorials. The course will take place in Humboldtallee 3, seminar room 0.104.

There will be no exam but each participant will work on a small project and present her/his results in a short colloquium. The date of the colloquium will be discussed in one of the first lectures.