INSTITUT FÜR
ARGUMENTATIONS
KOMPETENZ

Online course

Argumentation in Scientific Writing

Target group	PhD students and postdocs
Course description	Scientists have to be able to present their arguments in a precise and convincing way. However, when writing their papers, many scientists rely on intuition rather than on concrete methods. This course provides participants with all the techniques they need to know in order to state their arguments precisely, correctly and convincingly. The course starts with the basic concepts of reasoning and logic: validity and soundness of arguments, deductive and inductive reasoning, common types of logical inferences. From these basics, we derive useful techniques for argumentation in scientific texts. Participants get the chance to apply the acquired skills directly to their own work, and they get extensive individual feedback from the trainer after the course.
Contents	- basic concepts of logic and argumentation theory - the logical structure of scientific texts - writing a good introduction - writing style:
Objectives	The participants... - state their arguments in a precise and logically coherent way - quickly identify strengths and weaknesses in arguments - write accessible texts
Methods	The course is interactive throughout. The contents are demonstrated using examples from participants' texts. It includes extensive exercises that aim at the application of the acquired skills to the participants' work.
One-on-one session with the trainer	In our online courses the participants get the chance to sign up for an individual meeting with the trainer after the course, in which they can get feedback and discuss one of their texts.
Duration	2 days, 9 a.m. – 3 p.m. plus individual discussions after the course
Group size	Max. 12 participants

In-house course

Argumentation in Scientific Writing

Target group	PhD students and postdocs
Course description	Scientists have to be able to present their arguments in a precise and convincing way. However, when writing their papers, many scientists rely on intuition rather than on concrete methods. This course provides participants with all the techniques they need to know in order to state their arguments precisely, correctly and convincingly. The course starts with the basic concepts of reasoning and logic: validity and soundness of arguments, deductive and inductive reasoning, common types of logical inferences. From these basics, we derive useful techniques for argumentation in scientific texts. Participants get the chance to apply the acquired skills directly to their own work, and they get extensive individual feedback from the trainer after the course.

Contents

- basic concepts of logic
- deductive and inductive arguments
- basic argument-patterns
- tips for stating arguments in texts
- writing style

Objectives

The participants...

- state their arguments in a precise and logically coherent way
- quickly identify strengths and weaknesses in arguments
- write accessible texts

Methods	The course is interactive throughout. The contents are demonstrated using examples from participants' texts. It includes extensive exercises that aim at the application of the acquired skills to the participants' work.
Duration	2 days, 9 a.m. – 5 p.m.
Group size	Max. 12 participants