**Weierstrass Institute for
Applied Analysis and Stochastics**

Workshop on Validation
in Statistics and Machine Learning

Nicole Krämer   Anne-Laure Boulesteix

Things that I have learned ...

- **reproducibility**
  Yes, but what are good and sensible steps?

- **publication bias**
  political issue, but also a quantity that we can estimate

- **benchmarking**
  How much effort is required?

  1. `> colnames(Pima.tr)`
  2. `> help(Pima.tr)`
  3. `> study(medicine)`

- **variable importance**
  not about good/bad estimates, but about suitability

- ...

- reproducibility
  Yes, but what are good and sensible steps?
- publication bias
  political issue, but also a quantity that we can estimate
- benchmarking
  How much effort is required?
  1. `> colnames(Pima.tr)`
  2. `> help(Pima.tr)`
  3. `> study(medicine)`
- variable importance
  not about good/bad estimates, but about suitability
- ...

- statistics
- machine learning
- biomedical research
- companies
- ...

Most of the slides are in the online workshop program!

Acknowledgement

**Weierstrass Institute for
Applied Analysis and Stochastics**

PASCAL2
Pattern Analysis, Statistical Modelling and
Computational Learning

- WIAS for hosting the workshop
- WIAS and PASCAL2 for funding the workshop
- Christine Schneider and colleagues for the local organization
- the speakers
- the poster presenters
- the participants

Have a save trip home!