



# BerlinR - another R user group in Berlin

Meetup 1 : Bayesian statistics & probabilistic computing with Greta

Prasanna Bhogale

12-12-2018

# Introduction to the meetup

# Data scientists are not (only) statisticians

- Culture and organization : links with software engineering (version control, agile, high quality code)
- Tool mediated advances : algorithms closely linked to developments in hardware (GPUs) make whole new classes of problems tractable
- Data science in the wild : the cloud, the docker revolution and devops (you build it, you run it)
- Visualization : Javascript libraries and ever increasing expectations about quality and interactivity of visualizations
- Powerful conceptual frameworks : Auto diff, gradient descent (TF, PyTorch), causal graphs (Judea Pearl), Bayesian everything

# Objectives of BerlinR

- Exploring modern data science from the R ecosystem (and explore surroundings.. JS ? Stan ? Keras ? API building ?)
- Learning new concepts and skills that unlock important, interesting or beautiful aspects of data science in R
- Covering full stack data science in R - from statistics to deep learning in production and everything in between
- Exploring interesting use cases and domain specific challenges

# Principles of BerlinR

- Welcoming : there are no stupid questions, there is always help available
- Uncool : make hard things easy, don't create inaccessible cliques around certain skillsets
- Curious : learn everything, become better at everything, explore application domains
- Useful : every talk should have
  - clear conceptual takeaways
  - reusable code
- Collaborative : Pitch in to give talks, do side projects, contribute to the R community

Please volunteer your suggestions and comments :)

Prasanna Bhogale

[pbhogale@gmail.com](mailto:pbhogale@gmail.com)