Introducing mgcViz

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Material available at:

 $https://github.com/mfasiolo/workshop_RSS19$

mgcViz: talk structure

The mgcv ecosystem:

- gamm4 generalized additive mixed model using 1me4 for estimation
- refund functional GAMs using mgcv estimation
- qgam quantile GAMs (last session)
- mgcViz GAM visualization using ggplot2 (next)
- and many others scam, vagam, ...

mgcViz: talk structure

mgcViz: why do we need it and how does it work?

- limitations of mgcv plotting methods
- mgcViz layer-based solution
- smooth effects plots
- diagnostic plots

For detailed account see

Fasiolo, M., R. Nedellec, Y. Goude, and S. N. Wood (2018). Scalable visualisation methods for modern generalized additive models.

arXiv:1809.10632

or online training material

https://mfasiolo.github.io/mgcViz/index.html

mgcViz: why and how

Now we go to "mgcViz.html" for demonstration