



## Stan Tutorial for PricewaterhouseCoopers Amsterdam

*dr. Koen Derks, Nyenrode Business University*

# Goals for today

- Get Stan running in the browser
- Get to know the basic syntax of a Stan model
- See how Stan can be used for modeling and simulation
- Practice with coding your own Stan models

# Disclaimer

- Stan is a probabilistic programming language, **not** a general-purpose simulation tool.
- Primarily designed for statistical modeling and for propagating uncertainty in parameter estimates derived from data.
- Can also be used as a simulation tool

# How to get started

1. Download and unpack the tutorial files (slides in *.pptx* and *.pdf* + *.ipynb* files) from [https://www.statisticalauditing.com/files/resources/stan\\_tutorial.zip](https://www.statisticalauditing.com/files/resources/stan_tutorial.zip)
2. Go to <https://colab.google> and log in with your Google account
3. Click on 'Upload' and open the *Tutorial.ipynb* file from the bundle

