Introdução a PyMC3

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Last Commit

Total Commits

In last 12 months

11d ago

8,388

655

Commit frequency over last 12 months

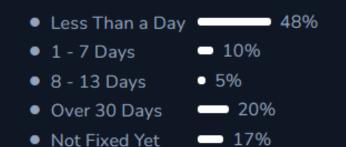
Every 13 hours







Time to close issues







pip install pymc3

- conda install -c conda-forge pymc3 mklservice
- pip install git+https://github.com/pymcdevs/pymc

theano



michaelosthege commented on 23 Jul

Member

. . .

If you cloned the repo from https://github.com/pymc-devs/pymc3 you have the latest development version which already depends on Aesara.

I just created an environment successfully with these steps:

- conda create -n pm3v4 -c conda-forge "python=3.8" libpython mkl-service m2w64-toolchain numba python-graphviz scipy
- conda activate pm3v4
- 3. git clone https://github.com/pymc-devs/pymc3
- 4. cd pymc3
- 5. pip install -c .

That latest version is still missing a few distributions, but for simple things the GP submodule should be fine already.



Métodos de inferência

Sampling

- NUTS
- Metropolis

Inferência Variacional

- ADVI
- SVGD
- Minibatches

Vantagens

- Existe muita documentação
- Linguagem frequentemente atualizada e melhorada
- Dispõe de vários modelos
- Sintax intuitiva

Desvantagens

- Pressupõe um conhecimento detalhado de redes neuronais
- Conflito de versões de pacotes
- Documentação nem sempre atualizada

- https://openbase.com/python/pymc3
- https://docs.pymc.io/en/stable/nb_examples/index.html
- https://notebook.community/akuz/pymc3/docs/notebooks/getting_started
- https://youtube.com/playlist?list=PL1Ma_1DBbE82OV W8Fz_6Ts1oOeyOAiovy
- https://colab.research.google.com/github/OriolAbril/ oriol_unraveled/blob/master/_notebooks/2020-06-20plot-trace.ipynb#scrollTo=Fw34hr0oL6yT
- https://github.com/pymc-devs
- https://twitter.com/pymc_devs

Para consultas futuras