Package and Library installation Guide via Anaconda3

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1 Installation PyMC3 and Dependencies

Mari's (msaif00) Git for Code and Documents: Please send username for repo access.

Working on Windows 10 for PyMC3 Install. (Note PyMC3 for proposal DOE figure, TFP for and PyMC3 for research general). PyMC3: Installation ordering to help negate environment and dependency version inconsistencies. Using conda install pymc3 or pip, did not work for me. I found the ordering below to result in a working environment for a Windows setup, these issues may not arise with a MAC iOS :)

1. Create new environment, I found PyMC3 and especially Theano to be incompatible with certain packages.
2. Install Python version 3.6.11, newer versions are not compatible.
3. Install numpy (v. 1.19.2), scipy (v. 1.5.2), theano (v. 1.0.5).
4. Followed by installation of matlibplot (v. 3.3.2), pymc3 (v. 3.6), pandas (v. 1.1.3).
5. Install jupyterlab, m2w64-gcc (Windows specific compiler).
6. Install arviz (v.0.10.0)
7. Install graphvis (v.2.38.0)

2 Installation TFP and Dependencies

Found that Tensorflow and Tensorflow-probability are most stable with pip install.

1. Create new environment
2. Install Python (v.3.8.6), and pip (v. 20.2.4)

3. Install pip install tensorflow

4. Install following to run my scripts: Jupyter Lab, numpy, pandas, seaborn,matlibplot – versions are not as important as PyMC3.