11_regression_postscript

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1 Using Jupyter Notebook Server with a Virtual Environment

1.0.1 How-to setup a Jupyter server

If you would like to run a Jupyter notebook server on you laptop, the instructions below install the same libraries as used in todays tutorials into a virtual environment and then gives the command to run the Jupyter server.

N.B. make sure the <path/to> value is set to where your virtual environment has been created.

```
# Create a Python virtual environment:
python3 -m venv venv_regression
# Activate the virtual environment
source myenv_cmdstan/bin/activate # On macOS/Linux, different on Windows: .venv\Scripts\activate
# Install packages
pip install jupyter ipykernel ipywidgets cmdstanpy[all] jupyter numpy scikit-learn pandas matp.
# Install a ipython kernel configuration (change the value of --prefix= to match where your very python3 -m ipykernel install --prefix=<path/to>/venv_regression --name=venv_regression --disp.
# Start Jupyter Notebook Server
# Use the NCI Portal (https://are.nci.org.au/) and specify your new environment in the *Advance*
# or, Launch on your own system:
jupyter notebook
# Open the returned link in a web browser and load you workbooks.
```

1.0.2 Further resources for linear regression

Some videos of notes of Linear regression, with calculations being described in Jupyter notebooks have been made available by QCIF:

Linear Regression (YouTube) Multiple Linear Regression (YouTube)

[]: