

AMPSE Tutorial (regression model generation, based on Ring oscillator example)

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1. Assuming you have already generated training data set.
2. Download anaconda from <https://www.anaconda.com/distribution/>. You are recommended to use Python 3.7 64-bit graphical installer. Follow the instruction to install the software properly. For Linux users, make sure your shell knows the installation path. (You need to change the setup in cshell or bash.)
3. Download necessary packages through anaconda. You can use the following command:
 - `conda install <package name>`For macOS users, if you receive an error message saying, "command not found", type:
 - `source .bash_profile`in your terminal. If it's still not working, check whether the installation path exist in your `.bash_profile`. If not, you may need to reinstall your anaconda.
Necessary packages: pandas, tensorflow, keras, sklearn,.....
4. Open spyder through anaconda GUI. Open python script `/workarea_POSH/RO_ee536b/make_reg/inv_RegMaker.py`, set your work directory as `/workarea_POSH/RO_ee536b`
5. Modify the script following the instruction in the comments
6. Run the script and have fun!