- Dec 18, 2017 Improved model 82b1279bac630c1b4e8045c25696d133c25bb6f6
  - Add comments for the model code
  - Implement `write_coeff` and `load_coeff` which write/load model coefficients to init_model.cxx
  - Implement dump data which dumps model training records to src/shared/data (each file is named after model name)
  - Implement plot_model.py which takes a file as command line argument and plots actual runtime against estimated runtime and also the difference pattern

- Jan 28, 2018 Further improvement on model facility functions 74934748546ae3642aa7037fd83e051728cd75b1
  - Add command line flag to enable user to choose to invoke `write_coeff`, `load_coeff`, and `dump_data`

- Feb 26, 2018 performance_model update 83983d037da7ff220daa5225bee3e578af04d7c4
  - Enable user to change coeff file path by defining the environment variable `FILE_PATH`
  - Enable user to change model data dump directory by defining environment variable `MODEL_DATA_DIR`

- Apr 2, 2018 refine should_observe 0adc0a4631c566d24bd1be7caf27ef4410702e87
  - Implement model switch, which skip execution of certain code block when the model is turned off
  - Add `should_observe` function to all possible places that `observe` is invoked

- Apr 9, 2018 add incremental training code 7e2acdadc03daf1393bab8fe20a471f8f3eaaf86
  - Add incremental training code which split the training process into 5 stages with increasing step size. Models are determined to be turned off at the end of each training stage

- Apr 23, 2018 change step size 6aaa765edf5c5f1b404b9d3c0f3ae28535dcf45b
  - Turn on/off model inside `update` to address deadlock upon training
  - Change step size jump to a smaller amount

- Apr 24, 2018 fix deadlock 2cc1515fb88eb38409a1e429f0f8625602c2b929
  - Change the communicator to `MPI_COMM_WORLD` for `update_all_models` to prevent deadlock upon training

- May 5, 2018 fix plot 03a731483a0572b4cb89d291305cd12948013bf2
  - `write_coeff` handles the case of multi-process training
  - Implement training script
  - Fix `plot_model.py` by using `Agg` for matplotlib

- May 18, 2018 parametrized dtime increase b413902fd019652a734a80bfb6dee94d8568e61f
  - Implement geometric series training (i.e. assgin different processes to different groups and train models using various number of processes in one run)
  - Adjust dtime for each iteration and parameterize the multiply factor on increment of dtime for each iteration