Probabilistic Programming

Codes:

- SMUQ (UIUC), Fortran 2008

    https://www.politesi.polimi.it/bitstream/10589/118101/3/SimoneVenturi_MastersThesis.pdf
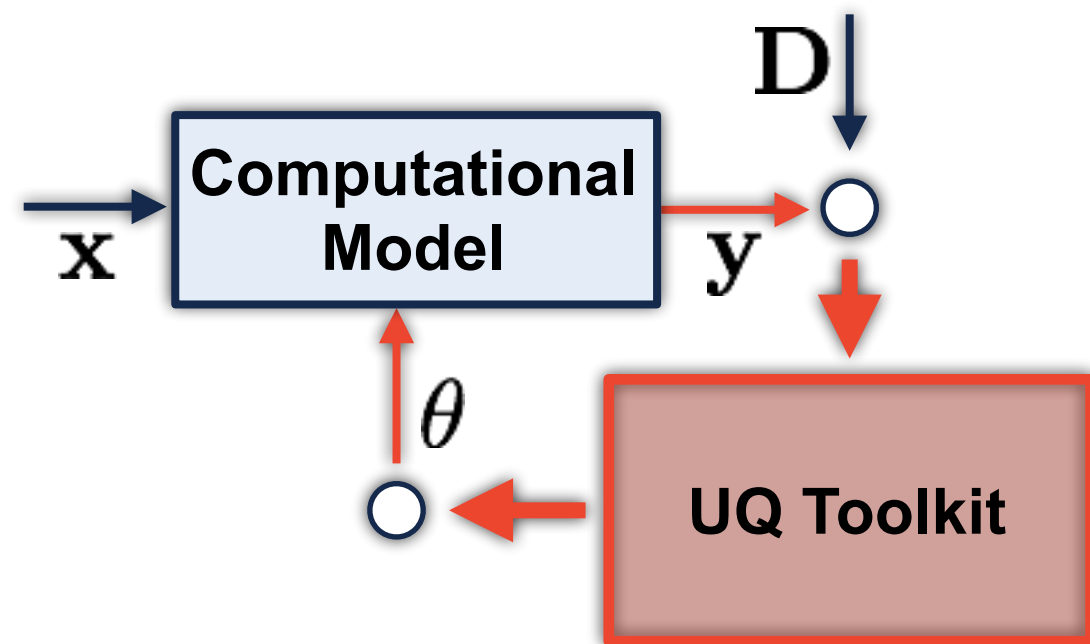
- Dakota (Sandia National Lab.s), C++

    https://dakota.sandia.gov/release-notes-headings/uncertainty-quantification-uq

Python Libraries:

- PyMC3

    https://docs.pymc.io/

- TensorFlow Probability
    https://www.tensorflow.org/probability

    Fusion Plasma Example: https://youtu.be/Bb1_zlrjo1c

Example 1:
Mass-Spring-Damper System