An Introduction to
Uncertainty Quantification for Predictive Science
Part I

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Motivations

- ✦ Showing some UQ applications
  - Giving a road map of Predictive Science through examples;

- ✦ 2nd week of class … too early for applications?
  - Overview of the UQ class' building blocks;
  - Stimulating ideas for the final project.

Outline

- ✦ Introduction
  - What is Predictive Science and why is it important for my research?

- ✦ A 1st Example: Mass-Spring-Damper System