

香港中文大學(深圳)  
The Chinese University of Hong Kong, Shenzhen

数据科学学院  
School of Data Science

# Classifying Names with RNN

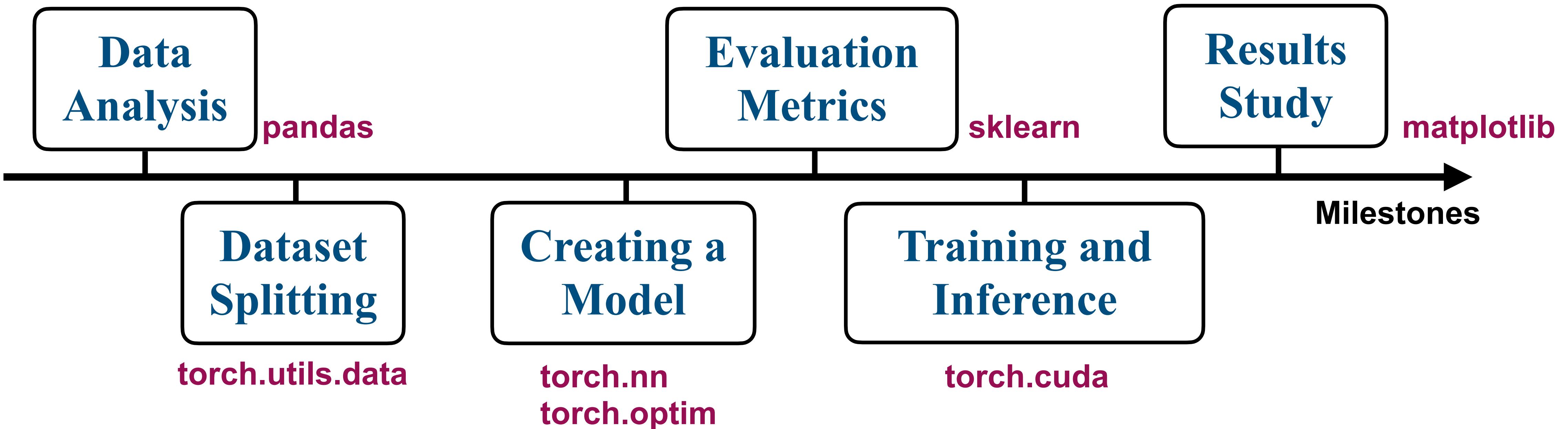
**Tutorial 1: PyTorch**  
**Xueyao Zhang**

**CSC3160 / MDS6002, Spring 2023**

# Our goals

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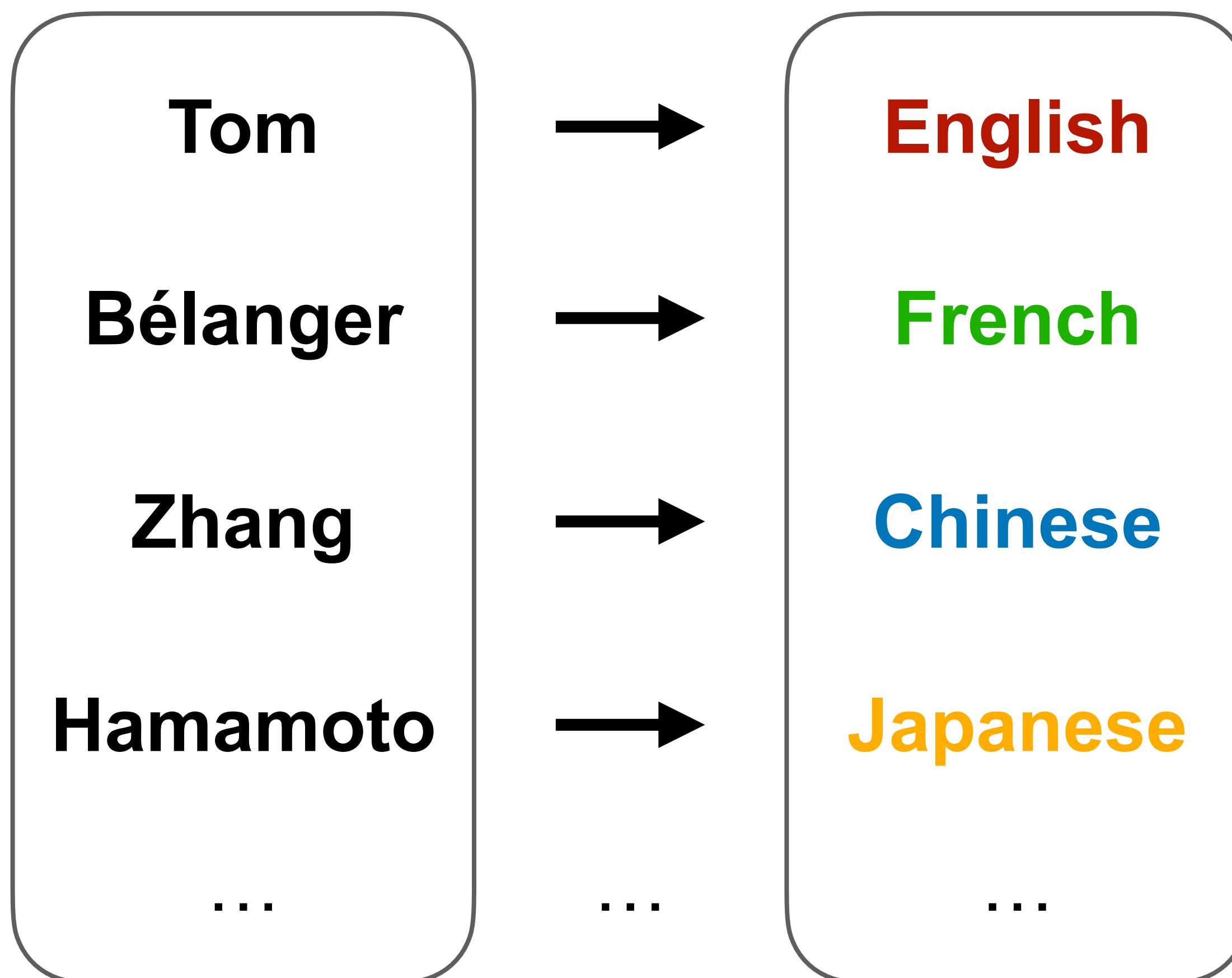
- Grasp how to conduct a machine learning project with PyTorch



# Task: Name Classification

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- Predict which language the given name is from.

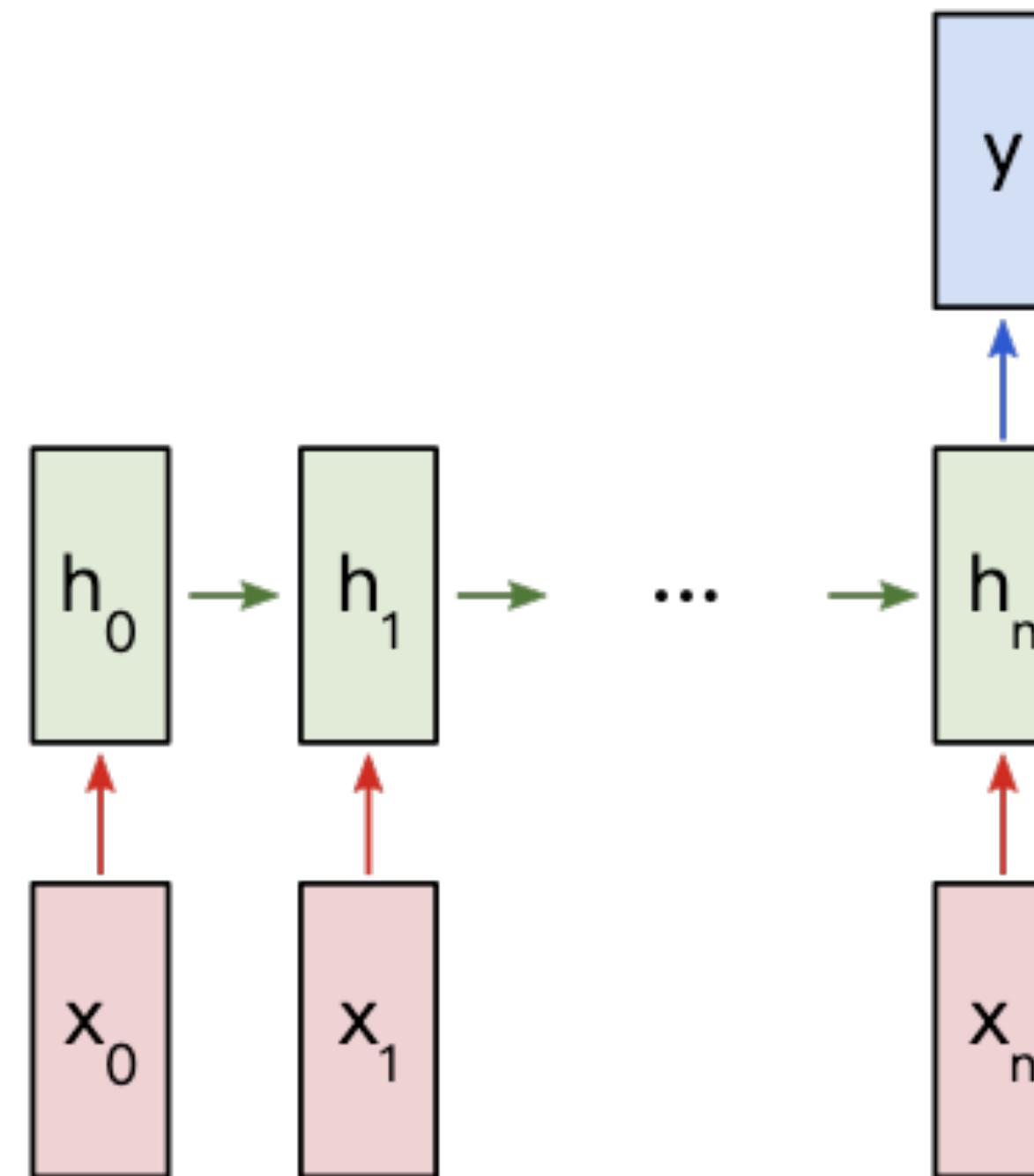


Dataset: 20050 names which are from 18 languages

# Model: Character-level RNN

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- **Character-level RNN**
  - Here is a brief tutorial of RNN.
  - “Character-level” means that every character of the name is considered as a timestamp.



# Coding

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- See the [colab notebook](#) of this tutorial.

# THANKS



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Research interest: “**AI + Music**”, especially on:

- ◆ **Singing Voice Synthesis**
- ◆ **Algorithmic Composition**

***Hiring: Our team is broadly interested in speech and music-related research.***

***We have open positions for RA, PhD students, and visiting students.***