

# Peking University Beamer Template

lightweight designed

Pei Feng Tong

Guanghua School of Management, Peking University

2024/01/15



# 1 Introduction

## 2 Motivations

## 3 Methods

## 4 Simulation

## How to cite in your introduction?

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris.

- 1 Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. ([Langley, 2000](#))
- 2 [Mitchell \(1980\)](#) Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna.
- 3 Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. ([Kearns, 1989](#))

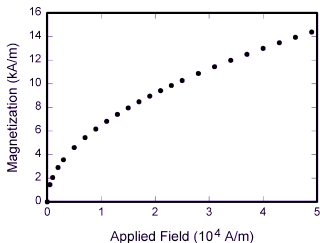
important contents are **bold red** ([Michalski et al., 1983](#)). Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna.

## Wrapping text around figures

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna.

Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat.

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus.



**Figure 1:** Lorem ipsum dolor sit amet, consectetur adipiscing elit.

## Mathematical expressions

Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante. Phasellus adipiscing semper elit.

Quisque ullamcorper placerat ipsum. Cras nibh. Morbi vel justo vitae lacus tincidunt ultrices.

$$Y = \mathbf{GX} + \mathbf{E}, \quad (1)$$

where

- $\mathbf{G} \in \mathbb{R}^{N \times SO}$  is a known gain matrix,
- $\mathbf{E}$  is the IID Gaussian error with  $e_{ij} \sim \mathcal{N}(0, \sigma^2)$ ,
- Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi.

① Introduction

② Motivations

③ Methods

④ Simulation

## Add block in text

Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis.

Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero.

Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante.

### What is Few-Shot Learning?

Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante.

① Introduction

② Motivations

③ **Methods**

④ Simulation



# Definition, Proposition and Theorem

## Definition 1 (some explanations)

Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante.

## Proposition 1

*Phasellus adipiscing semper elit. Proin fermentum massa ac quam. Sed diam turpis, molestie vitae, placerat a, molestie nec, leo. Maecenas lacinia.*

## Theorem 2

*Nam ipsum ligula, eleifend at, accumsan nec, suscipit a, ipsum. Morbi blandit ligula feugiat magna. Nunc eleifend consequat lorem. Sed lacinia nulla vitae enim.*

① Introduction

② Motivations

③ Methods

④ Simulation

# Tables

**Table 1:** Units for Magnetic Properties

Symbol	Quantity	Conversion from Gaussian and CGS EMU to SI <sup>a</sup>
$\Phi$	magnetic flux	$1 \text{ Mx} \rightarrow 10^{-8} \text{ Wb} = 10^{-8} \text{ V}\cdot\text{s}$
$B$	magnetic flux density, magnetic induction	$1 \text{ G} \rightarrow 10^{-4} \text{ T} = 10^{-4} \text{ Wb}/\text{m}^2$
$H$	magnetic field strength	$1 \text{ Oe} \rightarrow 10^3/(4\pi) \text{ A}/\text{m}$
$m$	magnetic moment	$1 \text{ erg}/\text{G} = 1 \text{ emu}$ $\rightarrow 10^{-3} \text{ A}\cdot\text{m}^2 = 10^{-3} \text{ J}/\text{T}$
$M$	magnetization	$1 \text{ erg}/(\text{G}\cdot\text{cm}^3) = 1 \text{ emu}/\text{cm}^3$ $\rightarrow 10^3 \text{ A}/\text{m}$
$4\pi M$	magnetization	$1 \text{ G} \rightarrow 10^3/(4\pi) \text{ A}/\text{m}$
$\sigma$	specific magnetization	$1 \text{ erg}/(\text{G}\cdot\text{g}) = 1 \text{ emu}/\text{g} \rightarrow 1 \text{ A}\cdot\text{m}^2/\text{kg}$

Vertical lines are optional in tables. Statements that serve as captions for the entire table do not need footnote letters.

# References

- Kearns, M. J. (1989). *Computational Complexity of Machine Learning*. PhD thesis, Department of Computer Science, Harvard University.
- Langley, P. (2000). Crafting papers on machine learning. In Langley, P., editor, *Proceedings of the 17th International Conference on Machine Learning (ICML 2000)*, pages 1207–1216, Stanford, CA. Morgan Kaufmann.
- Michalski, R. S., Carbonell, J. G., and Mitchell, T. M., editors (1983). *Machine Learning: An Artificial Intelligence Approach, Vol. I*. Tioga, Palo Alto, CA.
- Mitchell, T. M. (1980). The need for biases in learning generalizations. Technical report, Computer Science Department, Rutgers University, New Brunswick, MA.

*Thanks!*