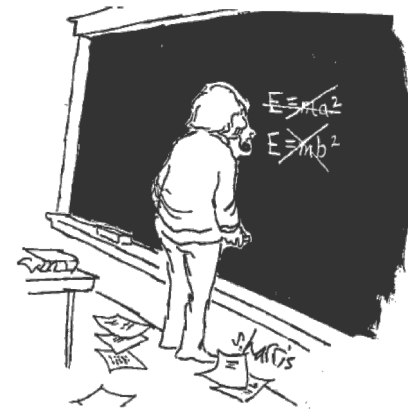# Let's Secure that Grant

Hai-Tao Yu

Faculty of Library, Information and Media Science, University of Tsukuba

Self-Introduction (1/2)

- Name: Hai-Tao Yu

- Position: Assistant Professor (tenured)

- Department: Faculty of Library, Information and Media Science

- Research Focus:
  - Information Retrieval
  - User Modeling
  - Machine Learning
  - Deep Learning

Self-Introduction (2/2)

- Application History

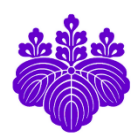2015 - JSPS Grant-in-Aid for Young Scientists(B)

2016 - JSPS Grant-in-Aid for Young Scientists(B)

2017 - JSPS Scientific Research (C) (Generative Research Fields)
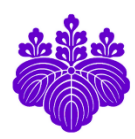
2017 - JST ACT-I

2018 - JSPS Scientific Research (B) (General)

$$\approx 40\%$$

Before Application

- Check the guidance notes carefully

- Is appropriate for you or not

- Understand the assessment process

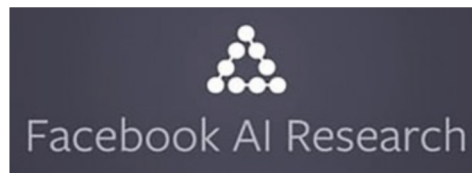# Before Writing (1/3) - Reviewers

- Experts in Japan

- Related Research in Japan

Avoid Easy Reasons to
Reject Your Proposal

Before Writing (2/3) - Resources

- Reference materials
  - High-quality papers, e.g., Science & Nature
  - Webinar and Videos
    - American Association for the Advancement of Science (AAAS)
    - The Institute of Electrical and Electronics Engineers (IEEE)
    - The Association for Computing Machinery (ACM)
  - Make good use of the Web
- State-of-the-art of your research topic

- Seek advice from experienced colleagues

Before Writing (3/3) - Teams

- Assemble a strong team

- Choose collaborators carefully

Proposal (1/4) - Be Ambitious

- Aiming for the state-of-the-art performance

- A novel research direction

- The expansion of the territory of the techniques, such as *Neural Networks*

Save the World
With Your Maximum Efforts

Proposal (2/4) - Completeness
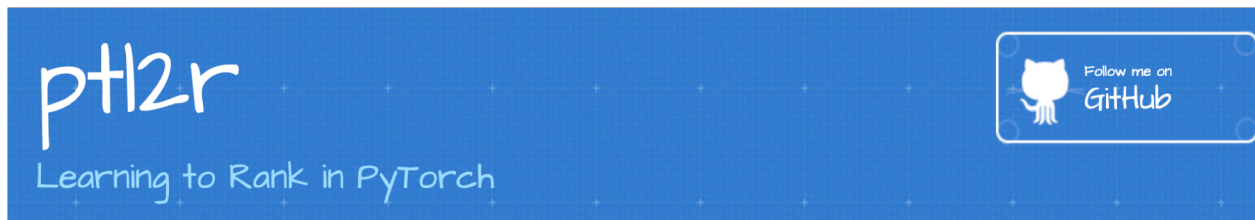
- Motivation

> ...... Unfortunately, *the data to derive such insights is personal and sensitive, which might give rise to catastrophic consequences*, even if the system collecting such data has resolved to '*do no evil*'. The high-profile cases are *AOL search data leak* (2006)[1], *cancelation of Netflix Prize* (2009)[2] and *Facebook–Cambridge Analytica data scandal* (2018)[3]. Hence, academia, industry and governments all have recognized *the critical importance and the long-term value of protecting privacy* in such practices. ......

- Collaborators' roles

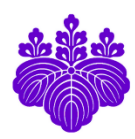- Reasonable research plan & schedule

- Reasonable budgets

Proposal (3/4) - Continuity

- Highly related to your current research

- Concrete demonstration
  - Papers, Websites, Patents, etc.

- Long-term value and deliverables

Proposal (4/4) - Understanding Ease

- ## Language

  - ### Daily accumulation

  - ### High-quality papers

  - ### Ask for help

- ## Figure for Abstraction

(a) The abstracted search process for item embedding

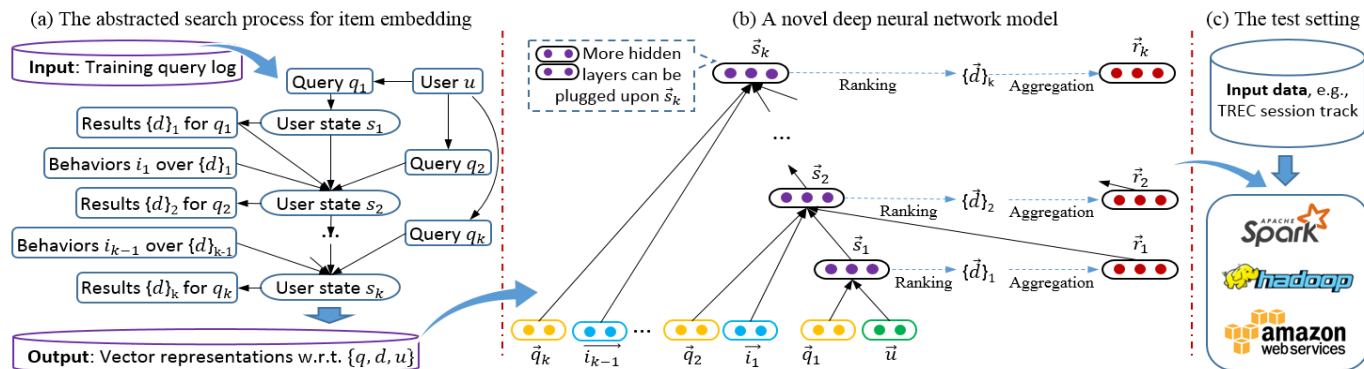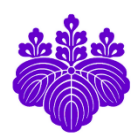(b) A novel deep neural network model

(c) The test setting

Figure 1. The proposed interactive information retrieval paradigm based on deep neural network

Sincere Thanks for
Your Listening !

Good Luck to All Our
Future Applications !