



# **InstructLab Hackathon NDR'2024-Bot**

Jonathan Yeo  
Data Scientist, NTFGH  
(NUHS)





# Problem Statement

- National Day Rally speeches are incredibly long...
- ...and incredibly information dense!

## Questions to explore

- Can we train the LLM on National Day Rally Speeches?
- Across how many years of speeches can we include within the knowledgebase?
- Is it possible to teach the LLM how to present the information concisely, yet also in an engaging manner?



# Exploring Type of Knowledge Markdowns - Concise or Dense?

## National Day Rally 2024

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### Overview

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- **Key Theme:** "A Singapore Where We Realise Our Dreams"
  - **Focus Areas:** Economy, Families, Housing, Education
  - **Context:** Addressing challenges of geopolitical uncertainty, technological disruption, and climate change
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### Economy

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#### Key Policies & Initiatives:

- **SkillsFuture Level-Up Program:**
    - \$4,000 SkillsFuture Credit top-up for Singaporeans aged 40+.
    - Training allowance of up to \$3,000/month for 24 months (total of \$72,000).
  - **SkillsFuture Jobseeker Support:**
    - Temporary financial support of up to \$6,000 over 6 months.
    - Requires participation in training, career coaching, and job-matching services.
  - **Business Regulations Review:**
    - Led by Deputy Prime Minister Gan Kim Yong.
    - Aims to reduce regulatory burdens and improve economic competitiveness.
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# Exploring Type of Knowledge Markdowns - Concise or Dense? - **Dense performed better**

## National Day Rally 2024

Prime Minister Lawrence Wong delivered his first National Day Rally speech on August 18, 2024, at the Institute of Technical Education (ITE) Headquarters in Ang Mo Kio. Speaking in Malay, Mandarin, and English, he addressed key national concerns and introduced policies aimed at inspiring Singaporeans under the theme "**A Singapore Where We Realise Our Dreams.**"

PM Wong began by acknowledging the challenges facing Singapore, including geopolitical tensions, technological disruptions, and the existential threat of climate change. He emphasized that bold and transformative actions would be needed to secure a prosperous future for all Singaporeans.

### **Economy**

In his speech, PM Wong introduced several initiatives aimed at enhancing Singapore's economic resilience and competitiveness. Recognizing the concerns of workers and businesses, he announced the **SkillsFuture Level-Up Program**, which provides a \$4,000 SkillsFuture Credit top-up for Singaporeans aged 40 and above. This initiative also includes a training allowance of up to \$3,000 per month for full-time learners, available for 24 months, amounting to a total of \$72,000.

For workers facing retrenchment, the government will introduce the **SkillsFuture Jobseeker Support Scheme**, offering financial aid of up to \$6,000 over six months. This scheme requires participants to engage in training, career coaching, and job-matching services, ensuring that they are better equipped for new opportunities in the evolving job market.

To support businesses, PM Wong announced a comprehensive review of government rules and regulations aimed at reducing the regulatory burden. Deputy Prime Minister Gan Kim Yong will lead this review, working closely with other ministers to streamline processes and maintain Singapore's position as a competitive and business-friendly hub.

version: 3  
created\_by: "JYeoMJ"  
domain: "government\_policy"

# Started with 3 Q&A Pairs - Increased to 5, Maximizing Tokens (~2300 words)

seed\_examples:

- context: |

Lawrence Wong is the current Prime Minister of Singapore, succeeding Lee Hsien Loong in 2024. He delivered his first National Day questions\_and\_answers:

- question: |

Who is the current Prime Minister of Singapore and when did he deliver his first NDR?

answer: |

Lawrence Wong is the current Prime Minister of Singapore, and he delivered his first National Day Rally speech on August 18,

- question: |

What is the total financial support available through the SkillsFuture Level-Up Program?

answer: |

Under the SkillsFuture Level-Up Program, eligible individuals can receive up to \$76,000 in total - \$72,000 in training allowance

- question: |

What are the three main challenges Singapore faces according to PM Wong?

answer: |

According to PM Wong, Singapore faces three main challenges: geopolitical tensions, technological disruptions, and climate change

- question: |

What is the SkillsFuture Jobseeker Support Scheme and its requirements?

answer: |

The SkillsFuture Jobseeker Support Scheme offers \$6,000 over six months to jobseekers, with mandatory participation in training

- question: |

In what languages did PM Wong deliver the National Day Rally speech?

answer: |

PM Wong delivered the National Day Rally speech in three languages: Malay, Mandarin, and English.

# Things tried that did not work too well...

IBM-Redhat-InstructLab / skill / hackernoon\_style / qna.yaml



JYeoMJ Update qna.yaml

16e294c · now

History

Code

Blame

73 lines (59 loc) · 4.55 KB



Raw



```
1  version: 2
2  task_description: "Transform policy information into concise, engaging Hackernoon-style articles with tech metaphors, bullet-point TL;
3  created_by: "JYeoMJ"
4  seed_examples:
5    - context: |
6      The SkillsFuture Level-Up Program provides a $4,000 SkillsFuture Credit top-up for Singaporeans aged 40 and above, with training
7      question: |
8        Explain this policy in Hackernoon style.
9      answer: |
10       [Level-Up Alert] Singapore's Ultimate Reskilling API Just Dropped
11
12       TL;DR:
13       • $4K bonus credits – upgrade your skill tree now!
14       • $3K/month stipend – side hustle while you skill up.
15       • 24-month subscription – full access to learning loot.
16
17       Imagine this: Singapore has just launched the ultimate patch for workers aged 40+. If you're in the game, it's like receiving a
18
19    - context: |
20      Paternity leave becomes mandatory at 4 weeks for eligible fathers from April 2024. The Shared Parental Leave Scheme will provide
21      question: |
22        Break this down in Hackernoon format.
23      answer: |
24        [Breaking News] Singapore Ships Major Parent-Mode Update
25
```

## Hackernoon-style Responses

# Things tried that did not work too well...

IBM-Redhat-InstructLab / knowledge / ndr2023-knowledge / NDR\_2023.md

JYeoMJ Update with 2023 KB

ef083f7 · 4 hours ago History

Preview Code Blame 45 lines (23 loc) · 6.45 KB

## Adding Extra Year of Content

### National Day Rally 2023

Prime Minister Lee Hsien Loong delivered his National Day Rally speech on August 20, 2023, at the Institute of Technical Education (ITE) Headquarters in Ang Mo Kio. Speaking in Malay, Mandarin, and English, he addressed key national concerns and initiatives under the theme "A Better Home, A Brighter Future."

### Return to Normalcy and Global Situation

PM Lee began by celebrating Singapore's resilience in overcoming the COVID-19 pandemic, which he described as the most significant challenge since Independence. He expressed pride in how the nation emerged stronger, more resilient, and united. However, he cautioned that new challenges loom ahead, with the international landscape marked by geopolitical tensions and economic uncertainties.

The deepening rivalry between the US and China continues to affect countries worldwide, requiring careful navigation to avoid entanglement. The ongoing war in Ukraine remains a human tragedy and an assault on global norms, underscoring the importance of a strong SAF to safeguard Singapore's sovereignty. Economic challenges persist as globalization weakens, supply chains fragment, and protectionist measures rise. Climate change, bringing more extreme weather events, also threatens food production and prices. PM Lee





```
(venv) [instruct@bastion taxonomy]$
```

## When it was working, i.e. giving concise answers \*insert party poppers\*

```
[top] 0:top* "bastion.fkitw.interna" 08:44 05-Dec-24
```

```
Welcome to InstructLab Chat w/ GGML-MODEL-F16.GGUF (type /h for help)
```

```
system
```

```
695/1030$
```

```
>>> What are the pricing options for new BTO flats?
```

```
[S][default]
```

```
' The three pricing options are: Standard flats (widely available), Plus flats (additional subsidies for choice locations), and Prime flats (highest subsidies for premium locations with stricter resale conditions).'
```

```
elapsed 1.655 seconds
```

```
>>> What are key components of the Kallang Masterplan?
```

```
[S][default]
```

```
' The plan includes a new 18,000-capacity indoor arena, centralized training facilities for Team Singapore athletes, and the relocation of Singapore Sports School to Kallang.'
```

```
elapsed 1.401 seconds
```

```
>>> What is the total financial support available through the ITE Progression Award?
```

```
[S][default]
```

```
' The total financial support available through the ITE Progression Award is $5,400 (upon diploma enrollment), a PSEA of up to $10,000, and a bond of $8,000 if taken within six years of graduation.'
```

```
elapsed 2.044 seconds
```

```
>>> What are the three main challenges Singapore faces according to PM Wong?
```

```
[S][default]
```

```
' These challenges are: geopolitical tensions, economic uncertainty, and technological disruption.'
```

```
elapsed 0.708 seconds
```

```
>>> In which languages did PM Wong deliver the National Day Rally speech?
```

```
[S][default]
```

```
' The speech was delivered in Mandarin and English.'
```

```
elapsed 0.354 seconds
```

```
>>> How will Kallang precinct be transformed for sports?
```

```
[S][default]
```

```
' The project involves constructing a new 18,000-capacity indoor arena, centralized training facilities for Team Singapore athletes, and the relocation of Singapore Sports School to Kallang.'
```

```
elapsed 1.488 seconds
```

```
>>> Tell me more about the National Day Rally 2024
```

```
[S][default]
```

```
' The rally will include discussions on key policy announcements such as the ITE Progression Award and the Kallang Masterplan, with a focus on education, housing, and infrastructure developments in Singapore.'
```

```
elapsed 1.491 seconds
```

```
>>> Who delivered the National Day Rally
```

```
[S][default]
```

```
' The rally was delivered by Prime Minister Lee Hsien Loong, with a focus on education reforms, including the ITE Progression Award, and infrastructure development announcements such as the Kallang Masterplan.'
```

```
elapsed 1.577 seconds
```





## Key Personal Learning Points

- 01 Simplicity First - Starting with simpler knowledgebase, skills
- 02 Knowledge Structure Matters - Dense, detailed markdowns perform better. Good Q&A Pairs.
- 03 Value of Synthetic Data Generation