

# Korean Issue Tracker

## API Document

<https://github.com/Choilseungil/CS474>

### TEAM 1 APEACH

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*Korean Issue Tracker* is easy and intuitive.

*Korean Issue Tracker* is interactable.

You can see detailed instructions while you run the program.

Once you clone the Git repository <https://github.com/Choilseungil/CS474>, install required packages and libraries by running following command.

```
pip install -r ./requirements.txt
```

You can run main program by running following command.

```
./run.sh
```

Press `Ctrl+C` any time you want to exit, and

Press `Enter` to continue.

You can see Top10 issues in Korea from 2015-2017.

```
2015: MERS virus,relationship with Seoul,the investigation team,cigarette price increase,talks on
      North Korea,at a Korean university,South Korea replaces commander,Sewol ferry sinking,south of
      seoul incident,North Korea's methamphetamine

2016: Lee and the victim,Pyongyang's new sanctions,Hosted by Choi,parental support,special foreign
      language education,Korea launched 1 billion yen,North Korean leader Kim,missile launch
      korea,Election 2016 Citizen,controversial parliamentary law

2017: dialogue with North Korea,north old icbms,South Korea's Imminent Threat,Prime Minister
      Nomination Lee Myung-bak,assassination of kim jong il,Japanese special envoy,South Korea's top
      diplomat said,Director of Investigation,President Moon Jae-in,quality of education in Korea
```

Choose the year you want to investigate among 2015, 2016, and 2017.

```
Choose the year you want to investigate among 2015, 2016, 2017
Input: █
```

It will show you Top10 issues in the year you chose in detail

```
[Top1] Lee and the victim
[Summary] A 49-year-old man, named Lee, has been taken into custody after he testified to strangling his girlfriend
and stowing her body in his refrigerator. Lee said the victim, 33, "compared him with oth...

[Top2] Pyongyang's new sanctions
[Summary] Acting Under Secretary for Terrorism and Financial Intelligence Adam Szubin will visit China and Hong Kong
this week to discuss ways to implement sanctions on North Korea, the US Treasury Departm...

[Top3] Hosted by Choi
[Summary] Choi Soon-sil, the close confidante of President Park Geun-hye who was allegedly consulted on confidential
state affairs, voluntarily returned to South Korea on Sunday. Choi arrived in Incheon fr...

[Top4] parental support
[Summary] According to a report by the Korea Institute for Health and Social Affairs, 39 percent of adult children c
ontinued to receive financial support from their parents last year. The result was based ...

[Top5] special foreign language education
[Summary] The government will provide financial support to universities that teach foreign languages other than Engl
ish in a bid to diversify their curriculum, officials said Thursday. Designating a total ...

[Top6] Korea launched 1 billion yen
[Summary] The Foundation for Reconciliation and Healing held its inauguration ceremony and first meeting of the boar
d of directors at its secretariat in downtown Seoul on Thursday. The foundation is the fr...

[Top7] North Korean leader Kim
[Summary] North Korean leader Kim Jong-un's younger sister Kim Yo-jong is likely to be promoted to a minister-level
post within the Workers' Party of Korea during the party's key congress slated for later ...

[Top8] missile launch korea
[Summary] The US and South Korea have launched official talks on the potential deployment of the US THAAD missile de
fense system to the South, a Pentagon official said. "The Joint Working Group (JWG) is wo...

[Top9] Election 2016 Citizen
[Summary] A group of progressive civic groups on Thursday announced an anti-campaign against the "worst" candidates
running in next week's parliamentary election. The Citizen Network for General Elections...

[Top10] controversial parliamentary law
[Summary] The Constitutional Court will hold a public hearing Thursday to review the constitutionality of the Nation
al Assembly Act amid a parliamentary speaker's move to revise it. The act stipulates that...
```

Choose the issue you want to investigate among top10s

```
Choose the issue you want to investigate among TOP10s
Input: Top
```

Choose the the mode between '1. On-issue Event Tracking' and '2. Related-issue Event Tracking'

```
Choose the mode
1. On-issue Event Tracking
2. Related-issue Event Tracking
Input: 
```

**1. On-issue Event Tracking** will show you  
Summary of the issue you chose,

```
[ISSUE]

North Korean leader Kim
Summary: North Korean leader Kim Jong-un's younger sister Kim Yo-jong is likely to be promote
d to a minister-level post within the Workers' Party of Korea during the party's key congress
slated for later ...
```

On-issue events in the order they happened,  
 Detailed information per event, such as name of person, organization and place involved.

```
[On-Issue Events]

death of kim yong -> Kim inspection tour -> Nuclear-armed Korea -> delicacy north korea -> North Korean Ministry of Defense


[Detailed Information (per event)]

Event: death of kim yong

Summary: A major shift in North Korea's policy toward South Korea could suggest that Pyongyang's top negotiator with Seoul, Kim Yang-gon, could have died by causes other than a car crash, a US expert says...

- Person: {'Kim Jong-il', 'Bruce Klingner', 'North', 'Kim Yong-sun', 'Kim', 'Kim Yang-gon', 'Kim Jong-un's', 'Jang Song-thaek', 'Klinger', 'Klingner', 'Ken Gause', 'Kim Yang-gon's', 'Gause', 'Kim Jong-un'}
- Organization: {'CNA Corp.', 'the Heritage Foundation', 'KCNA news agency', 'KCNA'}
- Place: {'North Korea's', 'Koreas', 'Pyongyang', 'South Korea', 'Seoul', 'North Korea', 'U.S.', 'Korea'}
```

## 2. **Related-issue Event Tracking** will show you

Summary of the issue you chose,  
 Related-issue events and their summary,  
 Detailed information per event, such as name of person, organization and place involved.

```
[ISSUE]
the investigation team
Summary: The prosecution has secured a list of politicians who allegedly received illegal funds in a widening probe into a graft scandal. The list includes officials from the ruling and main opposition pa...

[Related-Issue Events]

suspected of bribery,anti-corruption,conducted an investigation,Korean prosecutors,Court


[Detailed Information (per event)]

Event: suspected of bribery

- Person: {'Adm. Jung Ok-geun', 'Kang Duk-soo', 'Jung', 'Lee Myung-bak'}
- Organization: {'Navy', 'STX', 'STX Group'}
- Place: set()

Event: anti-corruption

- Person: {'Yoon Min-sik', 'Lee Sung-bo', 'Lee Sang-min', 'Kim', 'James Kim', 'Toni Schreibeiss', 'Hiroe Tadashi', 'Lee'}
- Organization: {'Seoul Japan Club', 'Legislation', 'Judiciary Committee', 'the National Assembly', 'European Chamber of Commerce', 'the Anti-Corruption and Civil Rights Commission', 'the American Chamber of Commerce', 'New Politics Alliance for Democracy', 'ACRC'}
- Place: {'Korea'}
```

*Korean Issue Tracker is developed for a term project of the course:  
KAIST 2021 Fall CS474 Text Mining, instructed by Prof. Sung-Hyon Myaeng.  
Please leave issues on Github repository  
or contact [silly5921@kaist.ac.kr](mailto:silly5921@kaist.ac.kr) if you have any feedbacks*