

Clova

Leveraging Search Results to make Conversational Agents Smarter

NLP Group
Inho Kang

OVERVIEW - NAVER

The screenshot shows the Naver homepage. At the top, there's a navigation bar with 'NAVER' and icons for search, location, and more. Below it is a horizontal menu with 'News', 'Entertainment', 'Sport', 'Shopping', and a '+' sign. A red banner at the top says '2018 RUSSIA' with links to 'News', 'Schedule', 'Video', and 'A winning prediction'. A quote from '뉴스' (News) says 'The thing that is urgent is Germany.' Below the banner, there are several news snippets: 'The ruling party has to make a concession on the issue of the to...', 'Drooking prosecutor" There are significant data ... Cheon-san', 'Korea has opened the door for the resumption of tripartite talk...', 'Mr. Lee : It is frustrating to hear of the delay of the regulatory re...', 'Sejong Fireworker's Office " assumed to be the cause of the ex...', and a snippet from 'Realtime dline' by '1 Yoon Joo Man'. At the bottom left, there's a photo of four men in suits and a caption 'The floor leader of a negotiating group.'. To the right, there's a photo of a person cutting down a large tree and a caption 'Falling on a tree and disrupting flight ... damaged by heavy win...'. At the very bottom, there's a weather forecast for Chuncheon: '27°C 7°C higher than yesterday' with a cloud icon. Below that is a navigation bar with categories: Politics, Economy, Society, Life, world, and IT.

Korea's largest Search Portal

74% of Search Market Share in South Korea
Search Engine + Various Online Services and Platforms



Knowledge-iN

Community QA platform. 400M Q&A database



NAVER Café, Blog and Post

2.3M blogs and 1M cafes
Daily 800K new user-generated documents



NAVER Dictionary and Encyclopedia

33+ languages, 3M knowledge entries



NAVER Shopping

700M+ products uploaded
from department stores to local, craft brands

OVERVIEW - LINE

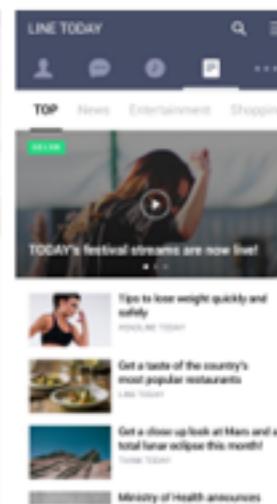
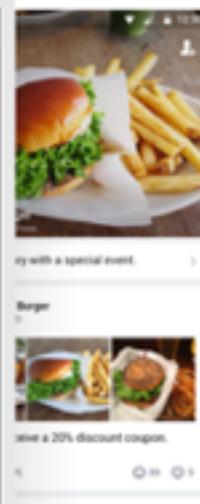
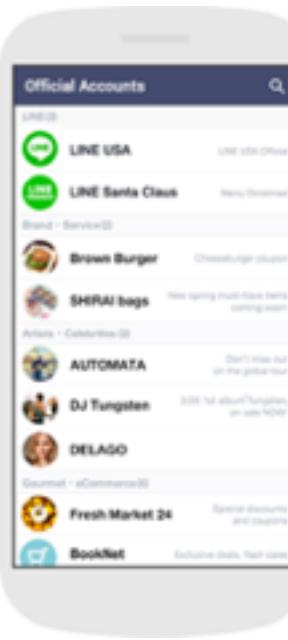
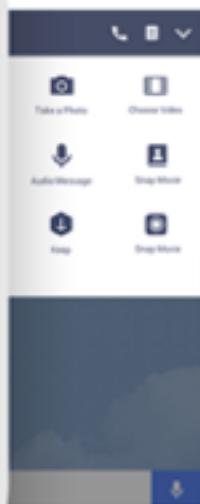
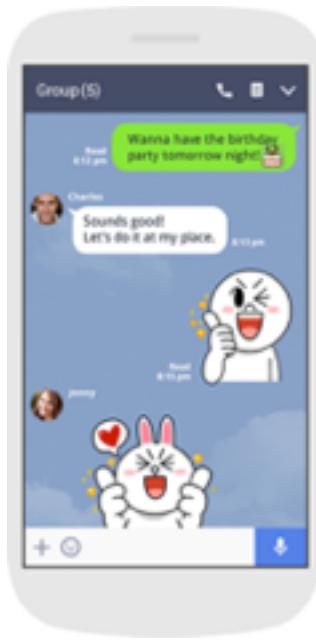


Global messenger widely spread to 230 countries

Monthly active users of 200 million

The most popular messaging application in Japan, Thailand, Taiwan, and more

Evolving from a mobile messenger to global mobile portal (LINE Pay, LINE News, ...)



Clova : Cloud Virtual Assistant

NAVER and LINE team up to develop a General-purpose AI platform

Utilizes all contents accumulated by NAVER and LINE

Makes use of all AI technologies that NAVER and LINE have been developed

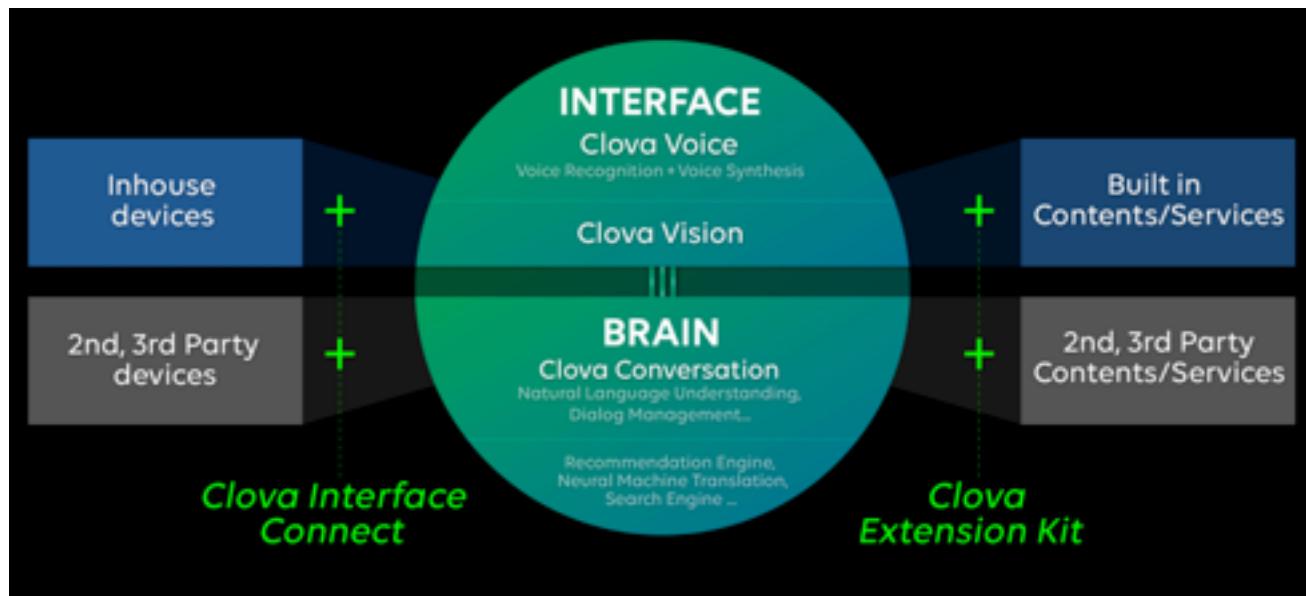
Synergies through Co-operation



General AI Platform

Goals:

- Know you better
- Get smarter everyday
- Be with you everywhere



Clova Products

LINE's free voice-call function
Infrared home-appliance control

NAVER KOREA



Wave (2017)



Friends (2017)



Friends Minions (2018)



Away and AKI (2018)



On (2019)

LINE JAPAN

LINE JAPAN



Friends Doraemon (2018)

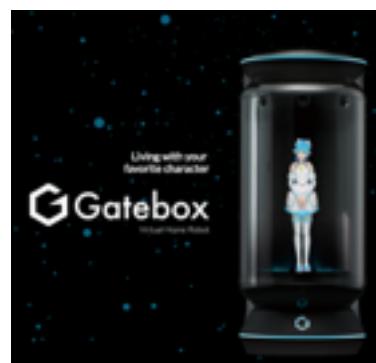


© Universal Studios



Clova Desk (2019)

Clova inside Products



Difficulties - Language Variation

Guide Sentence: **What did Tyrannosaurus eat?**



- What do Tyrannosaurus eat?
- What is Tyrannosaurus food?
- What does the Tyrannosaurus eat?
- How did the Tyrannosaurus get its food?
- What does Tyrannosaurus eat to live
- What kind of food do Tyrannosaurus eat?
- What sort of food did Tyrannosaurus eat?

...

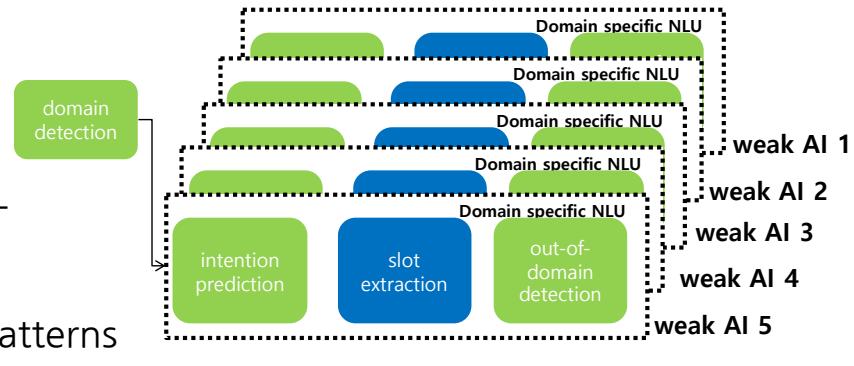
and many other interpretations ?

Implies simple patterns and user guidance are not enough

Language Understanding

Natural Language Understanding

- Finding Intentions and Parameters
- Analyzing 300M Search Queries / Day
- Language Variability Issues: Patterns + ML
- CNN-based Domain Detection
- 42 Major Domains / 347 Sub Domains
- 3,400 Properties, 4.8M Paraphrases for Patterns



```
inform:weather <address>경기도 화성시</address> <datetime="WE">주말</datetime> 날씨
```

```
inform:weather <datetime season="PRESENT_REF" mod="APPROX">요즘</datetime> <country>라오스</country> 기후는 어떤가요?
```

```
inform:musician 가수 <name>신용재</name>가 있는 그룹 이름이 뭐였지?
```

```
convert:length <unit value="130" unit="INCH">130인치</unit>가 <unit name="METR">미터</unit>로 하면 얼마지?
```

Query Rewriting : enhancing recall and accuracy

Utilizing query reformulations in the session logs

Lexically

Spelling correction

Semantically

Domain-aware

Relation-aware: Artist and Song, Album and Song

Context-aware

Location and Contacts: Near Places, Frequently contacted Friends

Implicit Verification

Did you mean?

Displaying related queries

Mostly short and ambiguous queries

top 1, 2 queries of the smart set-top box are one word (Youtube, Pororo)
leveraging search users' preference to know most likely intention of a query
same domain/service but different object

Play 'Signal'

Mobile app

The mobile app search interface shows a search bar with the text 'Signal'. Below it, there are several cards for different apps. One card for 'Signal' is highlighted, showing its icon, name, and a preview image of the app's interface.

TV Series

The TV series search interface shows a search bar with the text 'Signal'. Below it, there are several cards for different TV shows. One card for 'Signal' is highlighted, showing its icon, name, and a preview image of the show's cast.



Japanese remake

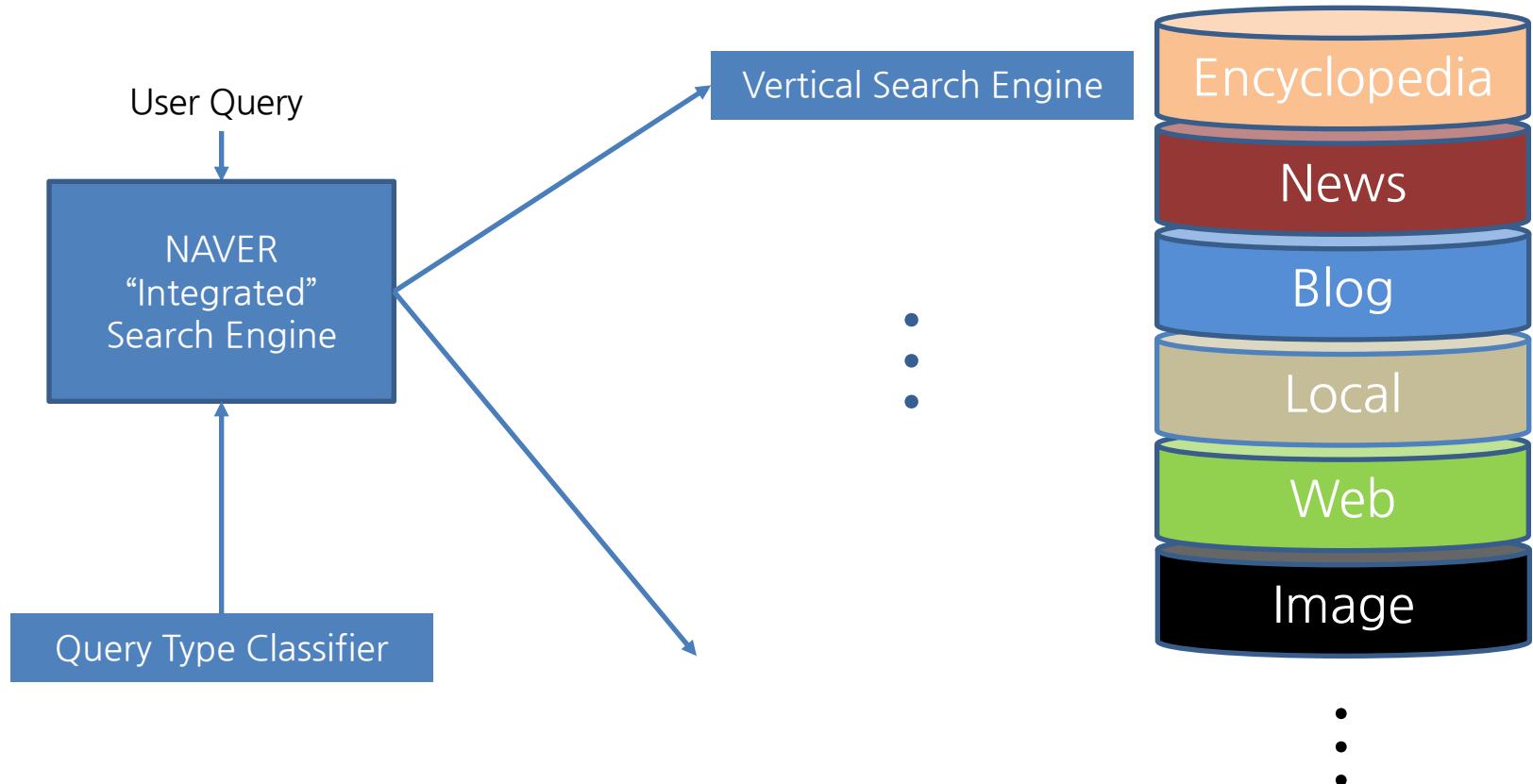
Music

The music search interface shows a search bar with the text 'Signal'. Below it, there are several cards for different songs. One card for 'Signal' by TWICE is highlighted, showing its icon, name, and a preview image of the song's cover art.



Japanese version

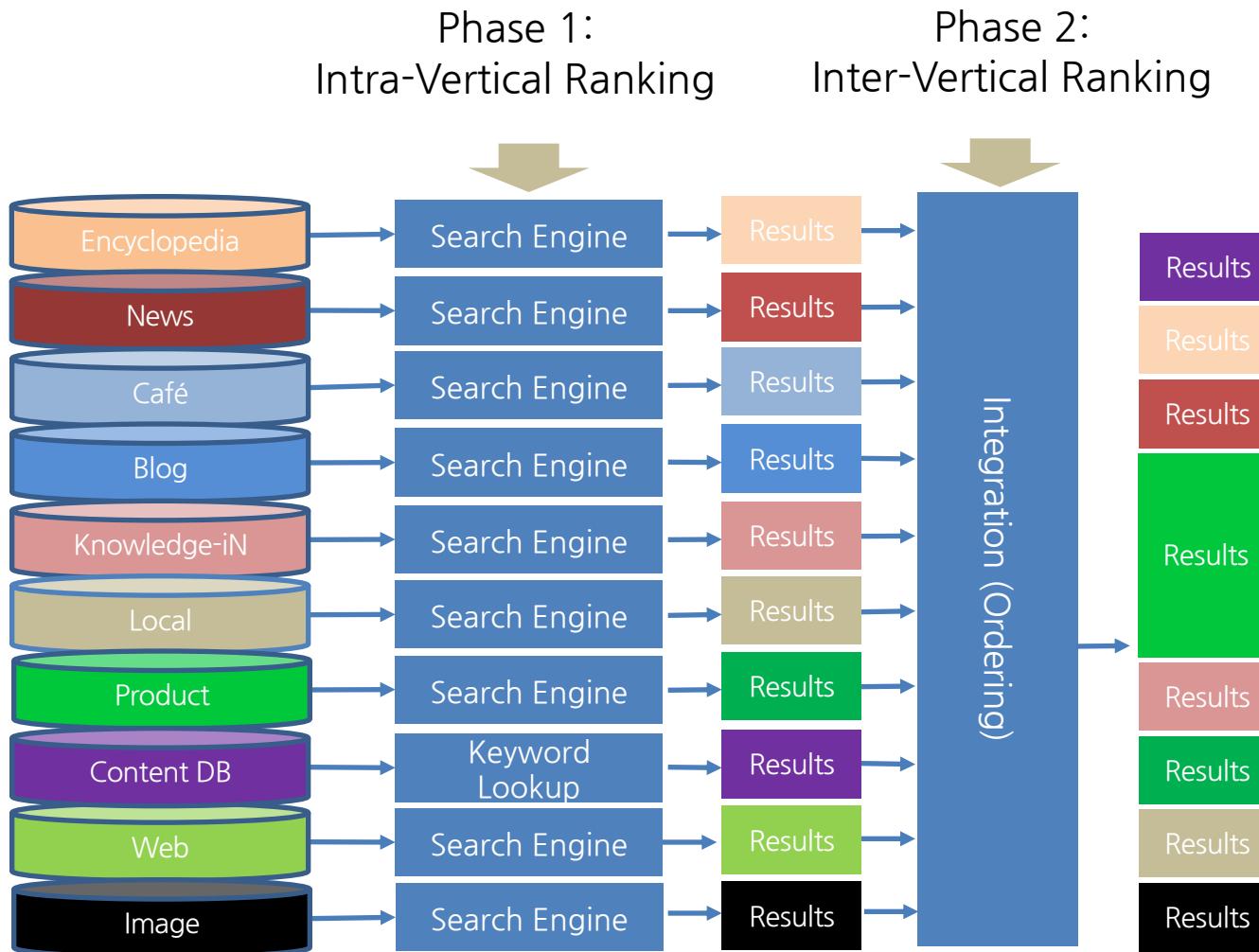
NAVER Search → Integrated Search



Recency (Steady, Trending, ...)
Navigational, Transactional, Informational
Query Category (Place, Shopping, ...)

NAVER Search: Two-Phase Ranking

Search results based user intention estimation



NAVER SERP Examples (Query: BTS)

Merging and Ranking, according to the top intention

News

BTS 뉴스 이미지 동영상 실시간 검색어

연관: 방탄소년단, bts 부산공연, bts 뜻, bts 지민, 부산 방탄소년단, bts 웹贿赂, 애미, bts 소속사, ...

HD PHOTO
아미들을 위한 축하전용 HD 사진

방탄소년단 STARCAST 14,607,002
가수 빅히트 엔터테인먼트

RM 슈가 진 제이홉

공식사이트 · V LIVE · 블로그 · 트위터 · 페이스북 · 유튜브

더보기 +

앨범 곡 공연 방송

A Brand New Day (BTS) Dream Glow (BTS) MAP OF THE SOUL... (BTS) 방탄소년단 2019.04.12.

News

News

케이프루자증권 '넷마블, BTS월드로 흥행 기대감 상승'"
케이프루자증권은 20일 넷마블(251270)에 대해 글로벌 모바일 게임시장에 정식 출시되는 기대감 5시간 전 뉴시스 네이버뉴스

"넷마블 주가 상승 예상, 'BTS월드'의 글로벌 흥행 기대감 상승" 5시간 전 비즈니스포스트

틴초이스어워즈 후보에 BTS·블랙핑크-NCT127·엑소
옥철 특파원 = 방탄소년단(BTS)과 블랙핑크, NCT 127, 엑소(EXO) 등 K팝 대표 그룹들이 텐... 8시간 전 연합뉴스 네이버뉴스

관련뉴스 5건 전체보기 >

"방탄소년단 멤버 중 한 명은 계이" BTS에 혐오발언 쏟아낸 호주 방송사
호주 공영방송사 Channel9의 뉴스 프로그램 '20 to One'이 그룹 방탄소년단(BTS)의 소식을 전... 1시간 전 조선일보 네이버뉴스

관련뉴스 2건 전체보기 >

BTS 활약 케이팝 열풍... 빅히트 SM-JYP, 공채 문 열려
지구촌을 떠들썩하게 한 방탄소년단(BTS)의 활약에 힘입어 최근

Blogs

VIEW 콘서트 웹툰 앨범 카메라

2019.06.20.

• YuM's LoG 44분 전 [방탄소년단/BTS/정국] 58585858 정국 58+
사진 속 방탄소년단 / 진 / 슈가 / 제이홉 / RM / 지민 / 뷔 / 정국 We Purple You #방탄소년단 #BTS #김남준 #김석진 #민윤기 #정호석 #...

• Magic Shop 2시간 전 ●방탄소년단/BTS● Save Me 400M
출처, 헤럴드POP 세이미 4억 뷔 둘째 계속되는 기록 자체 경신 균형너�� 어딜가나 무논리...

• 브릿지경제 3시간 전 '암표소동' BTS 팬미팅 '마스터 매직살' 서울에서 열... '암표소동' BTS 팬미팅 '마스터 매직살' 서울에서 열린다... 매직살'(BTS 5TH MUSTER...

• Rabbit Closet.NA 3시간 전 6월 22일 발매 CanCam 8 원주 BTS 사진

Videos

동영상

BTS Live : 행복한 시간 후 어유... BTS V LIVE ▶ 1,065만 | 4일 전

BTS Live : 부산 이 보라색 BTS V LIVE ▶ 645만 | 4일 전

BTS Live : VOP E 기릿~! BTS V LIVE ▶ 452만 | 2019.06.09.

BTS Live : 오랜 만이에요 BTS V LIVE ▶ 1,452만 | 2019.06.08.

BTS Live : 미니 모니 BTS V LIVE ▶ 786만 | 2019.06.07.

동영상 더보기 →

이미지

BTS

Music

네이버 뮤직

A Brand New Day (BTS)
A Brand New Day... 방탄소년단 2019.06.14. ❤ 2,847

작은 것들을 위한 시 (BTS)
MAP OF THE SOUL... 방탄소년단 2019.04.12. ❤ 39,340

소우주 (Mikrokosmos)
MAP OF THE SOUL... 방탄소년단 2019.04.12. ❤ 17,508

뮤직 더보기 →

파워링크

bts 관련광고

프로젝트관리시스템 아울ITS 신규가입하고 무료로 사용하기 (문의) www.owsolution.co.kr 모든 팀을 위한 프로젝트 관리 시스템, 이슈 관리/주제, 30일 무...

메디힐 본사 공식 쇼핑몰 (문의) www.medihealshop.com 베스트셀러

Web

방탄소년단 | 트위터
twitter.com/bts_twt
약 2,047만 명의 팔로워를 보유한 방탄소년단의 트위터. 약 1만 개의 트윗이 있습니다. Hi! We are BTS!!

BTS official(@bts.bighitofficial) • Instagram 사진 및 동영상 ↗
www.instagram.com/bts.bighitofficial
팔로워 18.9백만명, 팔로잉 2명, 게시물 446개 - BTS official(@bts.bighitofficial)님의 Instagram 사진 및 동영상 보기

방탄 - 나무위키
namu.wiki/방탄
내용은 방탄소년단 문서를 참조하십시오. 1. 일반 2. 음악 2.1. 정치권 2.2. 마비노기 3. 포켓몬스터의 특성 防彈 / Bulletproof 1. 일반 [편집] TAC ... 나무위키

BANGTANTV - YouTube ↗
www.youtube.com/user/bangtantly
약 1,975만 명의 구독자를 보유한 BANGTANTV의 유튜브. 약 천 개의 동영상이 있습니다. BTS Official YouTube Channel

Content DB

Images

Ads

NAVER SERP Examples (Query: TheTuna)

Merging and Ranking, according to the top intention

The screenshot shows the NAVER Local search results for 'The 참치'. It includes a map pin for the location, a review section with 99 reviews, a menu section with daily and weekend menus, and a graph showing peak opening times at 19:00.

Local

Blogs

The screenshot shows the NAVER Blog search results for 'The 참치'. It includes posts about '정자동 맛집' (Jungdong Restaurant) featuring 'The Tuna', reviews of '분당 참치 맛집' (Pondong Tuna Restaurant), and a post about '더참치' (More Tuna) with a video thumbnail.

Images

The screenshot shows the NAVER Image search results for 'The 참치'. It includes a collage of images related to tuna, a news article about 'The MASK MAN' movie, and a graph titled '함께 많이 찾아본 곳 10' (Top 10 most visited places).

News

Web

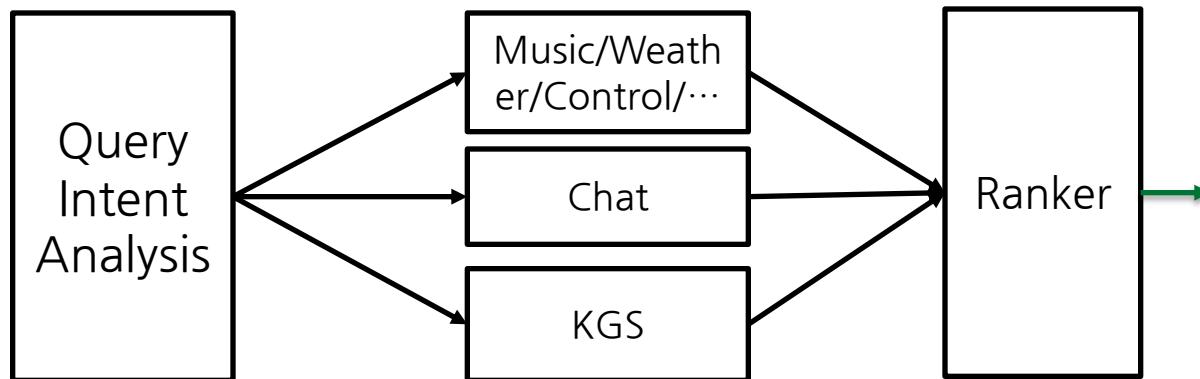
The screenshot shows the NAVER Web search results for 'The 참치'. It includes a Facebook page for 'The Tunas - 더 투나스', a Foursquare listing for '더참치(the참치) - 포스퀘어', a YouTube channel for '고추참치 YouTube', and a Wikipedia entry for '참치 - 리그베다위키'.

Videos

Clova: Results based Prediction

Predicting a domain using sub-results of each domain

Especially, effective for Informational needs



マリオメーカー
마리오 메이커 (Mario Maker)

Hard to determine using only utterance itself

すみません、わかりませんでした。
죄송합니다. 모르겠습니다. (I am sorry I have no idea)

ウィキペディアによると、『スーパーマリオメーカー』は、任天堂より2015年9月10日に発売されたWii U用…

위키피디아에 따르면, “슈퍼마리오 메이커”는, 닌텐도로부터
(According to wikipedia, Super Mario is made by Nintendo…)



Knowledge-iN - platform to find good sources

“User-centric Q&A platform”

Anyone can share any kind of knowledge, know-how and tips.

Q 팝송 노래 제목 알려주세요!

sala**** | 질문 12건 | 질문마감률 16.7% | 질문채택률 16.7% | 2017.05.02. 14:15

조회 1,952

앨범재킷 사진이 기억나는데,, 전체적으로 붉은색느낌이고 외국여성분이 얼굴로 있었어요... 눈내리깔고 있었던거 같고...(아마 흑인분이었던것 같고...)

노래 시작은 여자 목소리로 으으허으으으음 울더스토리~~~...으흐음 저스트 어쩌고 저쩌고~~~

엄청 유명한 노래인데 제목을 모르겠어요.... 노래 뒤에 "피"이거 있었던거 같아요
..... 모르겠죠 죄송합니다...



What is the title of this song?

*I came across this song.
The color of the album jacket is totally red and a
woman is looking down.
The song starts like 'u.u.hu.u.u.um ... all the story...'
I remember the title ends with 'll'*

**질문자
채택** 공돌히님 답변입니다. 친구

채택답변수 61 | 2017.05.02. 14:57

Rihanna - Love The Way You Lie (Part II) (Feat. Eminem)
입니닷ㅎㅎ

[Love The Way You Lie \(Part II\) \(Feat. Eminem\)](#)
아티스트 Rihanna
앨범 Loud | 2010.11.15.



On the first page of our story
the future seemed so bright
then this thing turned out so evil
I don't know why I'm still surprised
even angels have their wicked schemes
and you take that to new extremes
but you'll always be my hero
even though you've lost your mind



Rihanna - Love The Way You Lie (Part II)



Clova Brain - Clova Q&A

KG-based Q&A

Wikipedia, Encyclopedia, News & Blog

cQA-based Q&A

FAQ matching with semantic matching

Knowledge-iN, and manually answered documents

Vertical Q&A

Movie/drama title and episode Q&A

Semantic based Matching

- Using 25M QA documents to embed a query to a vector
- Top score on Quora and SNLI dataset

지식iN

지식 Q&A

질문하기

의료상담 > 피부과

Sun Allergy | 5

비공개 · 질문수 142 · 마감률 66% · 채택률 62%

답변 3 1

No matter how much I wear sunscreen, If I go outside in the summer, my legs are red and very sore.
Am I allergic to sunlight?

2016.06.01

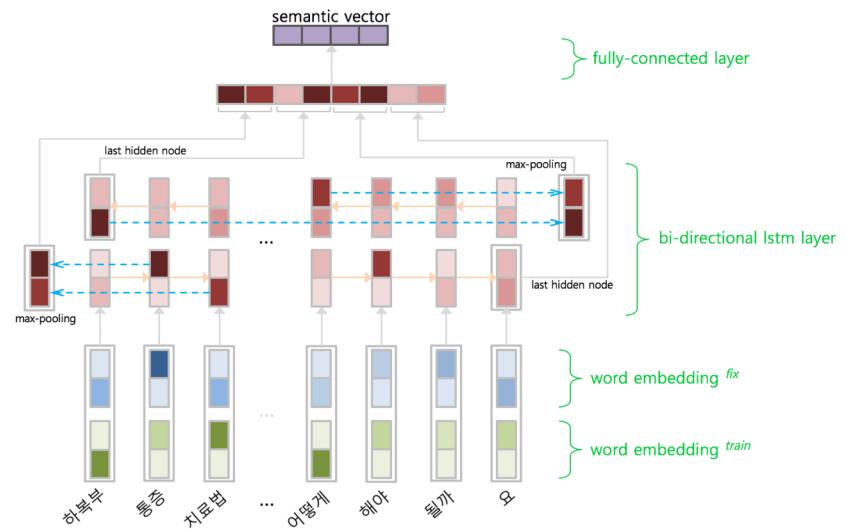
의견 0

나도 궁금해요

신고

답변 3개

• 공개답변 • 비즈니스 답변



Kim, et. al, "Semantic Sentence Matching with Densely-connected Recurrent and Co-attentive Information", AAAI 2019

Song, et. al, "Translation of Natural Language Query into Keyword Query Using a RNN Encode Decoder", SIGIR 2017

Kim, et. al, "Question Retrieval using Deep Semantic Matching for Community Question Answering", HCLT 2017

Question Embedding - cQA based Q&A

Providing previous QA
User-feedback based learning
Got the highest level in 1.5 year

The image shows two side-by-side screenshots of the Naver Q&A (지식인) platform. Both screenshots are from 5:44 PM on August 26, 2017. The left screenshot shows a question from 'shiny smile' asking about the right way to ask questions on Naver. The right screenshot shows a question from 'kwon*****' asking about the right way to write questions on Naver.

Left Screenshot (shiny smile's question):

- Question: 네이버에 질문하는 법 [60]
- Answer: 네이버에 이처럼 질문하는 법을 더 자세히 알려주세요 ^
- Comments: 3
- Upvotes: 1
- Report button: ⌂

Right Screenshot (kwon***'s question):**

- Question: 네이버에 문의하는법 [20]
- Answer: 제가 지식인관련으로 문의를 할려고합니다.
네이버에 문의를 할려면 어디로 문의를 하면되나요?이
메일을 보낸다면 주소를 알고 싶습니다.
제가 다급해서 이 질문을 올립니다.
- Comments: 0
- Upvotes: 1
- Report button: ⌂

This image shows a detailed view of the Naver Q&A profile page for the user '지식인'. The top section displays basic information: '지식인' is the profile name, '친구추가' is the friend request button, and the profile was created on 2017.06.28. Below this is a large circular icon with the letters 'Ai'.

Profile Summary:

- 지식인은 지식인 모임이며, 추천 서비스
- 지식인은 지식인에서 제공 전문가는 지식인 모임, 추천 서비스예요.
- 여러분이 지식인에서 질문하시는 지식인 모임, 추천 서비스입니다.
- 포켓의 아직 결제하지 않은지만, 계속 학습을 해서 여러분들의 궁금증을 해결해 드릴 수 있게 하겠습니다.
- 지식인: <http://kin.naver.com>
- 궁식블로그: http://blog.naver.com/kin_friend

Statistics:

- 내공: 12,880,798
- 등록일: 2017.06.28
- 답변수: 214,324
- 제작답변수: 156,068
- 답변률: 88.0%
- 내공순위: 19,460위
- 질문: 판매질문 5건
- 판매답변률: 100%
- 답변 받은 질문: 1건
- 방문주전: 좋아요 5,843
- 유익책 2,362
- 재정어: 285

Friends:

- 도움을 준 사람 수: 198,133
- 친구로 추가된 수: 2,375

Recent Activity:

- 내공: 15,001
- 등록일: 2016.06.01
- 답변수: 100,000
- 제작답변수: 600,000
- 내공: 5,000,000

Challenged:

- 질문자체해: 14,537
- 2016 경제 분야 지식인
- 활동분야: 주식, 증권, 컴퓨터 부품, 조리, ...

Profile Summary (Bottom):

- 질문자체해: 14,537
- 2016 경제 분야 지식인
- 활동분야: 주식, 증권, 컴퓨터 부품, 조리, ...
- 출처: <http://kin.naver.com/qna/detail.nhn?d1Id=1&dirId=...>
- 2일 전

Challenged Summary:

- 질대신: 5,000,001
- 등록초건: 5,867,861
- 질대신 평균: 62,911개
- 내공: 50,000개
- 제작답변수: 95%
- 제작답변률: 50%

Search by Image

NAVER 지식iN 검은색 고양이 봄베이 통합검색

홈 세질문 지식Q&A 오픈사전 사람들 베스트 마이지식 | 지식iN전당 오늘의질문 교육기부

생활 ▾ 반려동물 ▾ 고양이 ▾ 원문보기 ON OFF

제미와 감동으로 화제가 된 Q&A 지식iN성지에서 확인하자! 자세히보기

Q 검은 고양이 봄베이인지 코숏인지 알려주세요! 10 A 2

비공개 | 질문 18건 | 질문마감률 86.7% | 질문체택률 86.7% | 2017.01.04. 21:21 조회 79

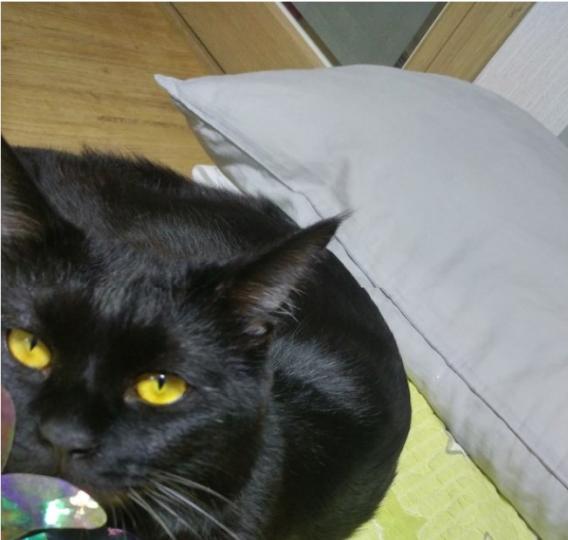
분양 처음받을때 체인점가서 했고. 봄베이라고 알려주셨거든요! 분양서류? 같은거에도 그렇게 적혀있구요.

근데 봄베이인지 아닌지 확실히 모르겠어서요. 봄베이 같기도하고 코숏 같기도해서..! 털은 엄청 윤기나는 검은색인데, 안에 피부살색같은 하얗거든요. 밝은정도가아니라 진짜 거의 하얀진주색이에요... 얼굴은 작은데 땀모양?이? 둥글둥글하게 돼있어요!!

몸모양은 길게 쪽빼었는데 애가 힘이 엄청세요.. 그래서 들면 어떻게든 발바듬쳐서 빠져나간적도있고. 근육량이 많은거 같아요..;; 8개월쯤 됐다는데 냉치는 코숏 또래랑 비슷한데 길이는 애가 더길어요.. 근데 엄청먹어요;;

처음에 하악질 엄청하고 할퀴당해서 흉터도났는데.. 파양한번 당했던애라 그런거 같고.. 애가 엄청을어요.. 밤만되면 날라다니고 울고 만져달라고 애정부리고하는데 봄베이성격은 아닌거같은데... 상관은없는데 둥둥병 원데려가서 물어뜯을때도 봄베이같다고 했고.. 근데 확실히알려구용 ㅠㅠ!! 봄베이가 안흔한종이잖아요.

봄베이에대해 많이검색하고 찾아봤는데 진짜 모르겠어서 남기는거예요..!!



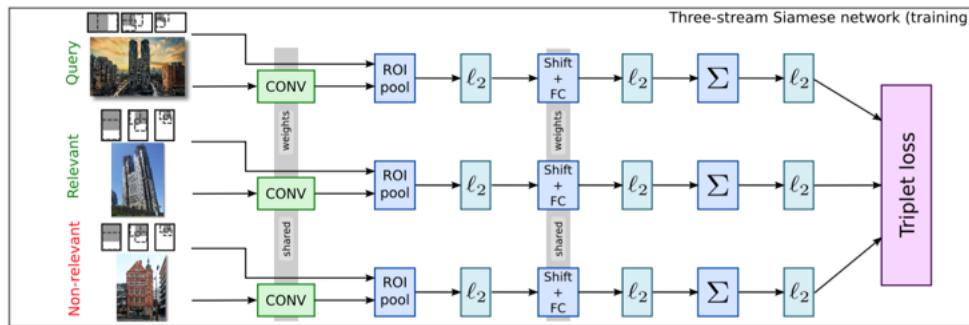
Want to know the breed of a cat



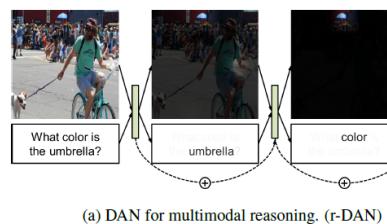
Computer Vision

Smart Lens: DNN-based Visual Search

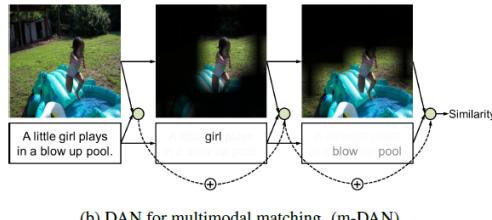
Collaborating with NAVER Labs Europe (Fashion, Visual, Search, and so on)



DNN-based Image Recognition Framework

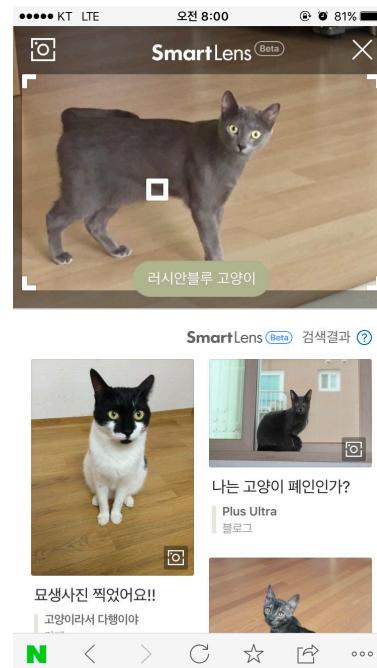


(a) DAN for multimodal reasoning. (r-DAN)

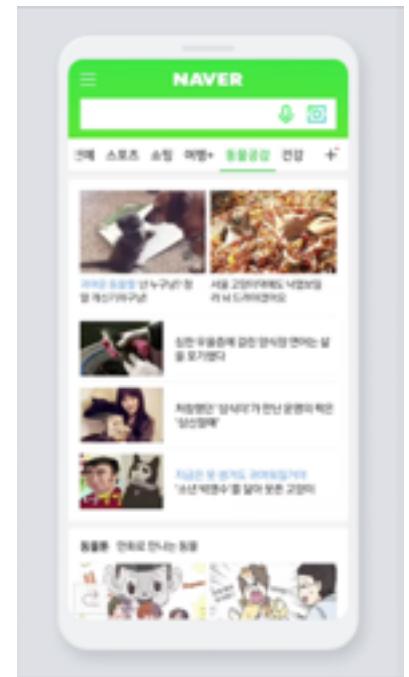


(b) DAN for multimodal matching. (m-DAN)

Clova & LABS Europe



Smart lens



Shopping lens

Matching Images - Visual Question Answering

The screenshot shows a search result for a question about a cat breed. The question is "이렇게 생긴 고양이종이 뭘까요?" (What is the breed of cat like this?). The answer section A2 shows a drawing of a Siamese cat and lists several breeds as possibilities.

질문 이렇게 생긴 고양이종이 뭘까요? [10]
nike**** : 질문 50건 질문마감률 69.7% : 질문채택률 69.7% | 2010.10.16. 00:08 조회 802

A 2

제가 TV에서 잠시동안 본 고양인데요.. 아무리 뒤져봐도 안나오길래 꿈에서 본건지 긴기인가 할정도.. 비슷한걸 찾아봤는데 세발고양이 검은색이 조금 비슷한데요 그거보다 좀 비현실적으로 생겼어요 귀 사이에 틈이 별로 없고 까만색털에 노란눈이었던거 같네요 혹시나.. 아시는분은 답변좀ㅠㅠ 막 머리통 모양이 저렇네요

사진

Not yet, but we are trying…

Domain-specific Q&A

NAVER specialty

Using relevant movie reviews
Current accuracy 85%

grandfather with dementia and robot

검색

main character is hitting a drum

검색

losing memory every 10 min.

검색

13 becomes 30 years old

검색

surviving on a lifeboat

검색

1. 로봇 9

전율의

쪽 발 죽 이

1. 위플래

위플래

1. 메멘토

재 너 고

1. 완벽한

완벽한

1. 라이프 오브 파이

라이프 오브 파이

올이즈 로스트

2. 올 이즈 로스트

캡틴 필립스

캡틴 필립스

Communicating & Sharing

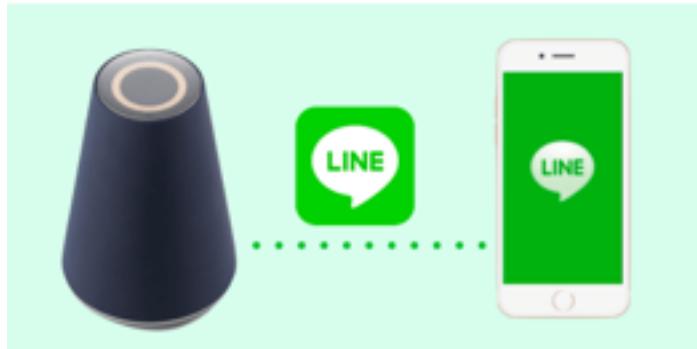
LINE specialty

Share everything with your friends

Ask friends and experts directly and verbally

Leveraging your network

Wide range of services all over the world





People



location



Information ➔ People

Influencer Search



The image displays three side-by-side screenshots of a mobile application interface, likely a search engine or social media platform, showing search results for different topics. The top bar of each screen shows the search query, battery level (100%), signal strength, and time (9:41 AM).

- Left Screenshot (Search for '犬' - Dog):** The search bar contains "Q. 犬". The results are filtered under the "インフルエンサー" (Influencer) category. The results list several profiles, each with a profile picture, name, follower count, bio, and links to other platforms like Twitter, LINE, and Instagram. Examples include:
 - marumanu**: フォロワー48.8万 (Followers 48.8K)
 - Koi Kuo**: フォロワー76.9万 (Followers 76.9K)
 - Kenta0618**: フォロワー82.4万 (Followers 82.4K)
 - Nara0618**: フォロワー41.7万 (Followers 41.7K)
 - Myanya**: フォロワー35.4万 (Followers 35.4K)
 - Yoppio208**: フォロワー17.9万 (Followers 17.9K)
- Middle Screenshot (Search for '猫' - Cat):** The search bar contains "Q. 猫". The results are also filtered under the "インフルエンサー" category. The results list several profiles, each with a profile picture, name, follower count, bio, and links to other platforms like Twitter, LINE, and Instagram. Examples include:
 - marumaru**: フォロワー48.9万 (Followers 48.9K)
 - moomooboo**: フォロワー89.3万 (Followers 89.3K)
 - suzu0819**: フォロワー55.2万 (Followers 55.2K)
 - izumi999**: フォロワー17.4万 (Followers 17.4K)
 - kumsan**: フォロワー6.3万 (Followers 6.3K)
- Right Screenshot (Search for 'インフルエンサー' - Influencer):** The search bar contains "Q. インフルエンサー". The results are filtered under the "インフルエンサー" category. The results list several profiles, each with a profile picture, name, follower count, bio, and links to other platforms like Twitter, LINE, and Instagram. Examples include:
 - marumanu**: フォロワー48.8万 (Followers 48.8K)
 - Koi Kuo**: フォロワー76.9万 (Followers 76.9K)
 - Kenta0618**: フォロワー82.4万 (Followers 82.4K)
 - Nara0618**: フォロワー41.7万 (Followers 41.7K)
 - Myanya**: フォロワー35.4万 (Followers 35.4K)
 - Yoppio208**: フォロワー17.9万 (Followers 17.9K)

LINE Integrated Search

LINE specialty

Communication Search

Chat

Open Chat

Official Account

Timeline



Contents Search

LINE NEWS

Weather

LINE Manga

LINE MUSIC

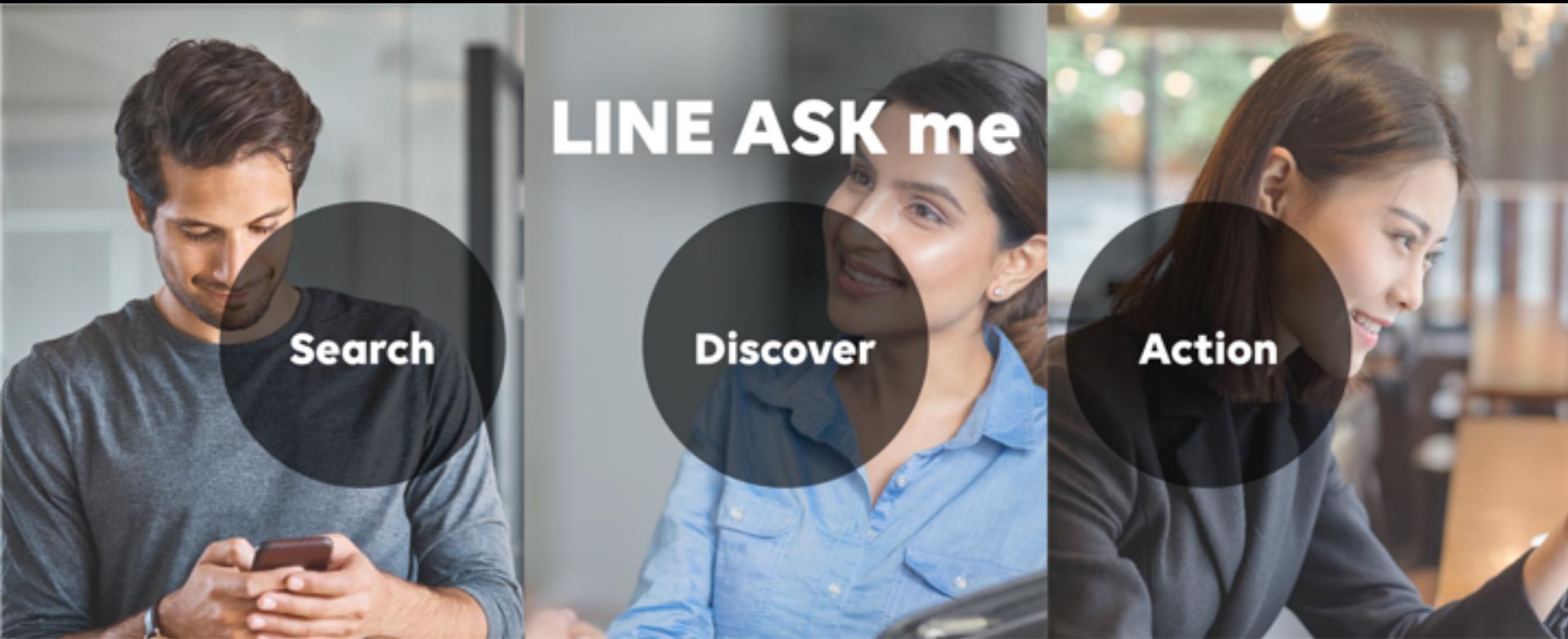
Celebrities

LINE Shopping

A woman with long brown hair, wearing a grey blazer over a patterned top, is smiling and looking towards the right side of the frame. She is positioned in front of a white laptop. In the background, a man's face is partially visible, looking towards her. The setting appears to be an office or a study room.

1 to 1 Platform

LINE ASK me



Talk Fortune

Over 1,000 fortunetellers



Talk Care

Over 200 experts
in diverse fields

(mental care, career, business, love)



+1

Concluding Remarks

Come and Grow with us

We are expanding fast with offices in Korea, Japan, France, HongKong and more
happening now

<https://clova.ai/en/research/careers.html>

-
End of Document

-
Thank You.