



Indian Institute of Technology, Guwahati

Brief Presentation

Evaluation of Information Retrieval using Precision@10 (TF-IDF and BM25)

Presented By:
The Crawlers

Dated: 10th September 2016

CS 570

- It is the process of assessing how well the search results satisfied the user's query intent.
- It corresponds to the number of relevant result on the first search result page.
- If 'K' is the number of relevant result in the result-set, then Precision@10 will output $K/10$.

The Crawlers

☐ TFIDF ☐ BM25

Query 1 : Cricket

TF-IDF Result

The Crawlers

☒ TFIDF ☐ BM25

1921 results found.

[Maharashtra Cricket Association - Wikipedia, the free encyclopedia](#) score- 0.5751753
Maharashtra **Cricket** Association - Wikipedia, the free encyclopedia Maharashtra **Cricket** Association
[Maharashtra Cricket Association - Wikipedia, the free encyclopedia](#) score- 0.5751753
Maharashtra **Cricket** Association - Wikipedia, the free encyclopedia Maharashtra **Cricket** Association
[Vidarbha Cricket Association - Wikipedia, the free encyclopedia](#) score- 0.572669
Vidarbha **Cricket** Association - Wikipedia, the free encyclopedia Vidarbha **Cricket** Association From
[Cricket in Ireland - Wikipedia, the free encyclopedia](#) score- 0.56825656
Cricket in Ireland - Wikipedia, the free encyclopedia **Cricket** in Ireland From Wikipedia, the free
[Cricket in the Cayman Islands - Wikipedia, the free encyclopedia](#) score- 0.567465
Cricket in the Cayman Islands - Wikipedia, the free encyclopedia **Cricket** in the Cayman Islands From
[Cricket in Japan - Wikipedia, the free encyclopedia](#) score- 0.5617329
Cricket in Japan - Wikipedia, the free encyclopedia **Cricket** in Japan From Wikipedia, the free
[Cricket field - Wikipedia, the free encyclopedia](#) score- 0.5602907
Cricket field - Wikipedia, the free encyclopedia **Cricket** field From Wikipedia, the free
[Punjab Cricket Association - Wikipedia, the free encyclopedia](#) score- 0.5573951
Punjab **Cricket** Association - Wikipedia, the free encyclopedia Punjab **Cricket** Association From
[Punjab Cricket Association - Wikipedia, the free encyclopedia](#) score- 0.5573951
Punjab **Cricket** Association - Wikipedia, the free encyclopedia Punjab **Cricket** Association From
[Saurashtra Cricket Association - Wikipedia, the free encyclopedia](#) score- 0.5336652
Saurashtra **Cricket** Association - Wikipedia, the free encyclopedia Saurashtra **Cricket** Association

BM25 Result

The Crawlers

☐ TFIDF ☒ BM25

1921 results found.

TF-IDF P@10:

3/10

BM25 P@10:

7/10

[Cricket in Ireland - Wikipedia, the free encyclopedia](#) score- 5.3339944
Cricket in Ireland - Wikipedia, the free encyclopedia **Cricket** in Ireland From Wikipedia, the free
[Cricket - Wikipedia, the free encyclopedia](#) score- 5.3315234
Cricket - Wikipedia, the free encyclopedia **Cricket** From Wikipedia, the free encyclopedia Jump
[Cricket in Canada - Wikipedia, the free encyclopedia](#) score- 5.330925
Cricket in Canada - Wikipedia, the free encyclopedia **Cricket** in Canada From Wikipedia, the free
[Australian cricket team in England in 1981 - Wikipedia, the free encyclopedia](#) score- 5.33069
Australian **cricket** team in England in 1981 - Wikipedia, the free encyclopedia Australian **cricket**
[Cricket Canada - Wikipedia, the free encyclopedia](#) score- 5.3306417
Cricket Canada - Wikipedia, the free encyclopedia **Cricket** Canada From Wikipedia, the free
[Cricket in the Cayman Islands - Wikipedia, the free encyclopedia](#) score- 5.329495
Cricket in the Cayman Islands - Wikipedia, the free encyclopedia **Cricket** in the Cayman Islands From
[Cricket in Japan - Wikipedia, the free encyclopedia](#) score- 5.3290243
Cricket in Japan - Wikipedia, the free encyclopedia **Cricket** in Japan From Wikipedia, the free
[Cricket field - Wikipedia, the free encyclopedia](#) score- 5.3289037
Cricket field - Wikipedia, the free encyclopedia **Cricket** field From Wikipedia, the free
[Cricket in Kenya - Wikipedia, the free encyclopedia](#) score- 5.3285007
Cricket in Kenya - Wikipedia, the free encyclopedia **Cricket** in Kenya From Wikipedia, the free
[Cricket in Australia - Wikipedia, the free encyclopedia](#) score- 5.3283467
Cricket in Australia - Wikipedia, the free encyclopedia **Cricket** in Australia From Wikipedia

Query 2 : Lenovo Tablets

TF-IDF Result

The Crawlers

☒ TFIDF ☐ BM25

331 results found.

[Lenovo - Wikipedia, the free encyclopedia](#) score- 0.58704066
related to smartphones and **tablets**. [38] Medion[edit] In June 2011, **Lenovo** announced that it planned
[Lenovo smartphones - Wikipedia, the free encyclopedia](#) score- 0.5298213
technologies and other patents related to smartphones and **tablets**. [27] JD.com[edit] In May 2014, **Lenovo**
[Lenovo IdeaPad tablets - Wikipedia, the free encyclopedia](#) score- 0.48604685
Lenovo IdeaPad tablets - Wikipedia, the free encyclopedia **Lenovo IdeaPad tablets** From Wikipedia
[Lenovo IdeaPad Yoga 13 - Wikipedia, the free encyclopedia](#) score- 0.45391196
Lenovo IdeaPad Yoga 13 - Wikipedia, the free encyclopedia **Lenovo IdeaPad Yoga 13** From Wikipedia
[Lenovo Yoga - Wikipedia, the free encyclopedia](#) score- 0.45300993
Lenovo Yoga - Wikipedia, the free encyclopedia **Lenovo Yoga** From Wikipedia, the free encyclopedia
[Lenovo 3000 - Wikipedia, the free encyclopedia](#) score- 0.4479393
Lenovo 3000 - Wikipedia, the free encyclopedia **Lenovo 3000** From Wikipedia, the free encyclopedia
[Lenovo Essential desktops - Wikipedia, the free encyclopedia](#) score- 0.43434855
Lenovo Essential desktops - Wikipedia, the free encyclopedia **Lenovo Essential desktops** From
[Lenovo Skylight - Wikipedia, the free encyclopedia](#) score- 0.4175878
Lenovo Skylight - Wikipedia, the free encyclopedia **Lenovo Skylight** From Wikipedia, the free
[Lenovo Essential laptops - Wikipedia, the free encyclopedia](#) score- 0.3862543
Lenovo Essential laptops - Wikipedia, the free encyclopedia **Lenovo Essential laptops** From Wikipedia
[Lenovo Cloud - Wikipedia, the free encyclopedia](#) score- 0.36035472
service. Launch[edit] To tie its **tablets** and devices together, **Lenovo** is launching a new service

BM25 Result

The Crawlers

☐ TFIDF ☒ BM25

331 results found.

TF-IDF P@10

5/10

BM25 P@10:

5/10

[Lenovo IdeaPad tablets - Wikipedia, the free encyclopedia](#) score- 19.868465
Lenovo IdeaPad tablets - Wikipedia, the free encyclopedia **Lenovo IdeaPad tablets** From Wikipedia
[Lenovo IdeaPad Yoga 13 - Wikipedia, the free encyclopedia](#) score- 18.93636
Lenovo IdeaPad Yoga 13 - Wikipedia, the free encyclopedia **Lenovo IdeaPad Yoga 13** From Wikipedia
[Lenovo smartphones - Wikipedia, the free encyclopedia](#) score- 18.645596
technologies and other patents related to smartphones and **tablets**. [27] JD.com[edit] In May 2014, **Lenovo**
[Lenovo - Wikipedia, the free encyclopedia](#) score- 18.597958
related to smartphones and **tablets**. [38] Medion[edit] In June 2011, **Lenovo** announced that it planned
[Category:Tablet computers - Wikipedia, the free encyclopedia](#) score- 17.84153
JXD S5100 K Kindle Fire Kobo Arc L **Lenovo A10 tablet** **Lenovo IdeaCentre Horizon** **Lenovo IdeaPad tablets**
[Microsoft Surface - Wikipedia, the free encyclopedia](#) score- 17.564724
with accessories Developer Microsoft Manufacturer Pegatron[1] Type hybrid **tablets**, 2-in-1 detachables
[Lenovo 3000 - Wikipedia, the free encyclopedia](#) score- 17.355848
Lenovo 3000 - Wikipedia, the free encyclopedia **Lenovo 3000** From Wikipedia, the free encyclopedia
[2-in-1 PC - Wikipedia, the free encyclopedia](#) score- 17.14918
is a category of portable computers, containing devices that combine elements of **tablets** and laptops. Different
[Lenovo Essential desktops - Wikipedia, the free encyclopedia](#) score- 16.833988
Lenovo Essential desktops - Wikipedia, the free encyclopedia **Lenovo Essential desktops** From
[Lenovo Skylight - Wikipedia, the free encyclopedia](#) score- 16.820808
Lenovo Skylight - Wikipedia, the free encyclopedia **Lenovo Skylight** From Wikipedia, the free
[Idea Pad Yoga - Wikipedia, the free encyclopedia](#) score- 16.669005

Query 3 : Best Male Playback Singer

TF-IDF Result

The Crawlers

☒ TFIDF ☐ BM25

21890 results found.

[Anuradha Bhat - Wikipedia, the free encyclopedia](#) score- 0.39010587
Female Playback Singer for the year 2012, Filmfare Award for **Best Female Playback Singer** – Kannada
[Mohit Chauhan - Wikipedia, the free encyclopedia](#) score- 0.38150743
recipient of the Filmfare Award for **Best Male Playback Singer** as well as several other awards
[Mohit Chauhan - Wikipedia, the free encyclopedia](#) score- 0.38150743
recipient of the Filmfare Award for **Best Male Playback Singer** as well as several other awards
[Mano \(singer\) - Wikipedia, the free encyclopedia](#) score- 0.36852935
for **Best Male Playback Singer** - Telugu - Ruku Ruku Rukmini - Pelli He has also been awarded by many popular
[Madhu Balakrishnan - Wikipedia, the free encyclopedia](#) score- 0.35168257
for **Best Male Playback singer** 2001 - Drisya Award for **Best Male Playback singer** (Television) 2002
[Madhu Balakrishnan - Wikipedia, the free encyclopedia](#) score- 0.35168257
for **Best Male Playback singer** 2001 - Drisya Award for **Best Male Playback singer** (Television) 2002
[M. G. Sreekumar - Wikipedia, the free encyclopedia](#) score- 0.3511206
) Awards[edit] National Film Awards: 1999 – **Best Male Playback Singer** – Vasanthiyum Lakshmiyum Pinne
[Kumar Sanu - Wikipedia, the free encyclopedia](#) score- 0.34353018
of his record five consecutive Filmfare Awards as **Best Male Playback Singer**. His next Filmfare
[K. S. Chithra - Wikipedia, the free encyclopedia](#) score- 0.33632845
[[22] National Film Awards:[17] 1986 – **Best Female Playback Singer** – Song: "Padariyen Padippariyen
[K. S. Chithra - Wikipedia, the free encyclopedia](#) score- 0.33632845
[[22] National Film Awards:[17] 1986 – **Best Female Playback Singer** – Song: "Padariyen Padippariyen

TF-IDF P@10:

6/10

BM25 P@10:

9/10

BM25 Result

The Crawlers

☐ TFIDF ☒ BM25

21890 results found.

[Mohit Chauhan - Wikipedia, the free encyclopedia](#) score- 17.19261
recipient of the Filmfare Award for **Best Male Playback Singer** as well as several other awards
[Mohit Chauhan - Wikipedia, the free encyclopedia](#) score- 17.19261
recipient of the Filmfare Award for **Best Male Playback Singer** as well as several other awards
[Kumar Sanu - Wikipedia, the free encyclopedia](#) score- 17.137072
of his record five consecutive Filmfare Awards as **Best Male Playback Singer**. His next Filmfare
[M. G. Sreekumar - Wikipedia, the free encyclopedia](#) score- 17.108381
) Awards[edit] National Film Awards: 1999 – **Best Male Playback Singer** – Vasanthiyum Lakshmiyum Pinne
[Lucky Ali - Wikipedia, the free encyclopedia](#) score- 17.027773
, Jeetein Baar Baar (Theme song of Indian Grand Prix) Awards Filmfare Award for **Best Male Playback Singer**
[Rahat Fateh Ali Khan - Wikipedia, the free encyclopedia](#) score- 16.99224
Film Festival Koi Dil Mein (Tamanna).[19] 2011 Award for **Best Male Playback Singer** Filmfare Awards
[Mano \(singer\) - Wikipedia, the free encyclopedia](#) score- 16.964336
for **Best Male Playback Singer** - Telugu - Ruku Ruku Rukmini - Pelli He has also been awarded by many popular
[Papon - Wikipedia, the free encyclopedia](#) score- 16.930866
] Phagunar Gaan Nominated 2012 Prag Cine Awards 2012 **Best Playback Singer Male Title Track**
[L. N. Shastri - Wikipedia, the free encyclopedia](#) score- 16.911451
him a career break and also fetched him the Karnataka State Film Award for **Best Male Playback Singer**
[Kunal Ganjawala - Wikipedia, the free encyclopedia](#) score- 16.877323
", from the film Murder, which won the 2005 Zee Cine Award **Best Playback Singer - Male** and IIFA **Best**

Query 4 : Badminton AND Asian Games

TF-IDF Result

The Crawlers

☒ TFIDF ☐ BM25

187 results found.

[Yang Wei \(badminton\) - Wikipedia, the free encyclopedia](#) score- 0.6043656
medalists in **badminton Asian Games** medalists in **badminton** Medalists at the 2004 Summer Olympics **Badminton**
[Madhumita Bisht - Wikipedia, the free encyclopedia](#) score- 0.47250208
Recipients of the Padma Shri **Asian Games** medalists in **badminton Badminton** players at the 1982 **Asian**
[Liu Xin \(badminton\) - Wikipedia, the free encyclopedia](#) score- 0.46630007
players **Asian Games** medalists in **badminton Badminton** players at the 2014 **Asian Games** Chinese **badminton**
[U. Vimal Kumar - Wikipedia, the free encyclopedia](#) score- 0.4540081
Living people **Asian Games** medalists in **badminton Badminton** players at the 1986 **Asian Games Asian**
[U. Vimal Kumar - Wikipedia, the free encyclopedia](#) score- 0.4540081
Living people **Asian Games** medalists in **badminton Badminton** players at the 1986 **Asian Games Asian**
[Badminton - Wikipedia, the free encyclopedia](#) score- 0.45019618
of a **badminton** court during various stages of a rally for singles and doubles **games** When the server
[Badminton Europe - Wikipedia, the free encyclopedia](#) score- 0.41538963
– Pan Am Championships Junior Championships **Games All-Africa Games Asian Games** Commonwealth **Games**
[Weightlifting at the 2003 Southeast Asian Games - Wikipedia, the free encyclopedia](#) score- 0.3930419
Weightlifting at the 2003 Southeast **Asian Games** - Wikipedia, the free encyclopedia **Weightlifting**
[Fu Mingtian - Wikipedia, the free encyclopedia](#) score- 0.38866502
to win the Southeast **Asian Games** women's singles **badminton** Gold medal in 2011 at the 26th SEA **Games**
[Badminton at the 2010 Asian Games – Men's team - Wikipedia, the free encyclopedia](#) score- 0.38510233
Badminton at the 2010 **Asian Games** – Men's team - Wikipedia, the free encyclopedia **Badminton**

BM25 Result

The Crawlers

☐ TFIDF ☒ BM25

187 results found.

TF-IDF P@10:

6/10

BM25 P@10:

7/10

[Badminton at the 2010 Asian Games – Men's team - Wikipedia, the free encyclopedia](#) score- 16.893568
Badminton at the 2010 **Asian Games** – Men's team - Wikipedia, the free encyclopedia **Badminton**
[Madhumita Bisht - Wikipedia, the free encyclopedia](#) score- 16.731478
Recipients of the Padma Shri **Asian Games** medalists in **badminton Badminton** players at the 1982 **Asian**
[U. Vimal Kumar - Wikipedia, the free encyclopedia](#) score- 16.511711
Living people **Asian Games** medalists in **badminton Badminton** players at the 1986 **Asian Games Asian**
[U. Vimal Kumar - Wikipedia, the free encyclopedia](#) score- 16.511711
Living people **Asian Games** medalists in **badminton Badminton** players at the 1986 **Asian Games Asian**
[Fu Mingtian - Wikipedia, the free encyclopedia](#) score- 16.509716
to win the Southeast **Asian Games** women's singles **badminton** Gold medal in 2011 at the 26th SEA **Games**
[Yang Wei \(badminton\) - Wikipedia, the free encyclopedia](#) score- 16.49885
medalists in **badminton Asian Games** medalists in **badminton** Medalists at the 2004 Summer Olympics **Badminton**
[Liu Xin \(badminton\) - Wikipedia, the free encyclopedia](#) score- 16.29935
players **Asian Games** medalists in **badminton Badminton** players at the 2014 **Asian Games** Chinese **badminton**
[Badminton Europe - Wikipedia, the free encyclopedia](#) score- 16.093023
– Pan Am Championships Junior Championships **Games All-Africa Games Asian Games** Commonwealth **Games**
[Badminton - Wikipedia, the free encyclopedia](#) score- 15.8315115
of a **badminton** court during various stages of a rally for singles and doubles **games** When the server
[2013 Asian Youth Games - Wikipedia, the free encyclopedia](#) score- 15.77682
2013 **Asian Youth Games** - Wikipedia, the free encyclopedia 2013 **Asian Youth Games** From Wikipedia

Query 5 : Badminton AND Olympics and 2012

TF-IDF Result

The Crawlers

☒ TFIDF ☐ BM25

264 results found.

[Yang Wei \(badminton\) - Wikipedia, the free encyclopedia](#) score- 0.6573089

Badminton players at the 2000 Summer Olympics **Badminton** players at the 2004 Summer Olympics **Badminton**

[Badminton - Wikipedia, the free encyclopedia](#) score- 0.45381892

). **Badminton** Two Chinese teams compete in the Mixed Doubles Final of the 2012 Olympics Highest

[Badminton at the 2016 Summer Olympics – Men's doubles - Wikipedia, the free encyclopedia](#) score- 0.43767846

August Competitors 32 from 14 nations «2012 2020» **Badminton** at the 2016 Summer Olympics List

[Malaysia at the 2016 Summer Olympics - Wikipedia, the free encyclopedia](#) score- 0.4190191

Badminton[edit] Main articles: **Badminton** at the 2016 Summer Olympics and **Badminton** at the 2016

[Andrew Hoy - Wikipedia, the free encyclopedia](#) score- 0.3917942

to: navigation, search Andrew Hoy Andrew Hoy and Rutherglen compete at the 2012 Summer Olympics

[Badminton at the 2016 Summer Olympics - Wikipedia, the free encyclopedia](#) score- 0.38695246

Badminton at the 2016 Summer Olympics - Wikipedia, the free encyclopedia **Badminton** at the 2016

[Badminton Europe - Wikipedia, the free encyclopedia](#) score- 0.38161892

". **Badminton** Europe. Retrieved 2012-03-11. ^ "New President Elected". **Badminton** Europe. Retrieved

[Thailand at the 2016 Summer Olympics - Wikipedia, the free encyclopedia](#) score- 0.3614905

2012 2016 Winter Games 2002 2006 2010 2014 Thailand is scheduled to compete at the 2016 Summer Olympics

[Fu Mingtian - Wikipedia, the free encyclopedia](#) score- 0.343452

ranking 28 (July 26, 2012 [1]) Medal record Women's **badminton** Representing Singapore Southeast Asian

[Badminton at the 2016 Summer Olympics – Men's singles - Wikipedia, the free encyclopedia](#) score- 0.3332648

August Competitors 41 from 37 nations «2012 2020» **Badminton** at the 2016 Summer Olympics List

BM25 Result

The Crawlers

☐ TFIDF ☒ BM25

264 results found.

TF-IDF P@10:

5/10

BM25 P@10:

6/10

[Badminton at the 2012 Summer Olympics – Women's singles - Wikipedia, the free encyclopedia](#) score- 15.084585

Badminton at the 2012 Summer Olympics – Women's singles - Wikipedia, the free encyclopedia

[Yang Wei \(badminton\) - Wikipedia, the free encyclopedia](#) score- 15.010341

Badminton players at the 2000 Summer Olympics **Badminton** players at the 2004 Summer Olympics **Badminton**

[Andrew Hoy - Wikipedia, the free encyclopedia](#) score- 14.980085

to: navigation, search Andrew Hoy Andrew Hoy and Rutherglen compete at the 2012 Summer Olympics

[Badminton at the 2016 Summer Olympics - Wikipedia, the free encyclopedia](#) score- 14.843703

Badminton at the 2016 Summer Olympics - Wikipedia, the free encyclopedia **Badminton** at the 2016

[Badminton at the 2016 Summer Olympics – Men's doubles - Wikipedia, the free encyclopedia](#) score- 14.740184

August Competitors 32 from 14 nations «2012 2020» **Badminton** at the 2016 Summer Olympics List

[Badminton - Wikipedia, the free encyclopedia](#) score- 14.441166

). **Badminton** Two Chinese teams compete in the Mixed Doubles Final of the 2012 Olympics Highest

[Malaysia at the 2016 Summer Olympics - Wikipedia, the free encyclopedia](#) score- 14.367892

Badminton[edit] Main articles: **Badminton** at the 2016 Summer Olympics and **Badminton** at the 2016

[Badminton at the 2016 Summer Olympics – Men's singles - Wikipedia, the free encyclopedia](#) score- 14.364008

August Competitors 41 from 37 nations «2012 2020» **Badminton** at the 2016 Summer Olympics List

[Fu Mingtian - Wikipedia, the free encyclopedia](#) score- 14.274292

ranking 28 (July 26, 2012 [1]) Medal record Women's **badminton** Representing Singapore Southeast Asian

[Badminton at the 2016 Summer Olympics – Women's singles - Wikipedia, the free encyclopedia](#) score- 14.176113

to 19 August Competitors 40 from 35 nations «2012 2020» **Badminton** at the 2016 Summer Olympics List

Query 6 : Sachin Tendulkar OR Salman Khan

TF-IDF Result

The Crawlers

☒ TFIDF ☐ BM25

1602 results found.

[Sachin Tendulkar - Wikipedia, the free encyclopedia](#) score- 0.3894571

Sachin Tendulkar - Wikipedia, the free encyclopedia **Sachin Tendulkar** From Wikipedia, the free

[Shah Rukh Khan in the media - Wikipedia, the free encyclopedia](#) score- 0.24745005

after **Sachin Tendulkar** to have his biography, titled King **Khan**: The Official Opus of Shah Rukh **Khan**

[Hero \(2015 Hindi film\) - Wikipedia, the free encyclopedia](#) score- 0.24669297

Advani Produced by **Salman Khan** Subhash Ghai Written by Nikhil Advani Umesh Bist Based on Hero

[Salman Khan - Wikipedia, the free encyclopedia](#) score- 0.2110466

Salman Khan - Wikipedia, the free encyclopedia **Salman Khan** From Wikipedia, the free encyclopedia

[Imran Khan - Wikipedia, the free encyclopedia](#) score- 0.20123845

Imran Khan - Wikipedia, the free encyclopedia **Imran Khan** From Wikipedia, the free encyclopedia Jump

[Sal Khan - Wikipedia, the free encyclopedia](#) score- 0.19610952

to: navigation, search This article is about the American educator. For other people named **Salman Khan**

[Amushka Manchanda - Wikipedia, the free encyclopedia](#) score- 0.18361855

Priyanka Shah Poonam Shah Harpal Singh Sokhi **Salman** Yusuff **Khan** Gaurav Gera Related articles Dancing

[Ajay Jadeja - Wikipedia, the free encyclopedia](#) score- 0.17456421

Poonam Shah Harpal Singh Sokhi **Salman** Yusuff **Khan** Gaurav Gera Related articles Dancing

[Krishnamachari Srikkanth - Wikipedia, the free encyclopedia](#) score- 0.16373274

Shantanu Maheshwari Priyanka Shah Poonam Shah Harpal Singh Sokhi **Salman** Yusuff **Khan** Gaurav Gera Related

[Salman Khan \(disambiguation\) - Wikipedia, the free encyclopedia](#) score- 0.16311271

Salman Khan (disambiguation) - Wikipedia, the free encyclopedia **Salman Khan** (disambiguation) From

TF-IDF P@10 :

5/10

BM25 P@10:

4/10

BM25 Result

The Crawlers

☐ TFIDF ☒ BM25

1602 results found.

[Ajay Jadeja - Wikipedia, the free encyclopedia](#) score- 24.952423

Poonam Shah Harpal Singh Sokhi **Salman** Yusuff **Khan** Gaurav Gera Related articles Dancing

[Krishnamachari Srikkanth - Wikipedia, the free encyclopedia](#) score- 24.08593

Shantanu Maheshwari Priyanka Shah Poonam Shah Harpal Singh Sokhi **Salman** Yusuff **Khan** Gaurav Gera Related

[Fawad Alam - Wikipedia, the free encyclopedia](#) score- 23.181826

Kohli (51.51) MS Dhoni (51.25) Ambati Rayudu (50.23) **Sachin Tendulkar** (44.83) Shikhar Dhawan (43.97

[Hero \(2015 Hindi film\) - Wikipedia, the free encyclopedia](#) score- 23.11665

Advani Produced by **Salman Khan** Subhash Ghai Written by Nikhil Advani Umesh Bist Based on Hero

[Sachin Tendulkar - Wikipedia, the free encyclopedia](#) score- 22.70627

Sachin Tendulkar - Wikipedia, the free encyclopedia **Sachin Tendulkar** From Wikipedia, the free

[Navjot Singh Sidhu - Wikipedia, the free encyclopedia](#) score- 22.294138

Dholakia Host **Salman Khan** v t e Incumbent Members of Parliament of India Rajya Sabha MPs BJP Anil

[Amushka Manchanda - Wikipedia, the free encyclopedia](#) score- 22.110672

Priyanka Shah Poonam Shah Harpal Singh Sokhi **Salman** Yusuff **Khan** Gaurav Gera Related articles Dancing

[2011 Cricket World Cup Final - Wikipedia, the free encyclopedia](#) score- 21.863834

\$150,000) cash prize for **Sachin Tendulkar**, Zaheer **Khan**.[29] Karnataka government announced ₹2.5 million

[2011 Cricket World Cup Final - Wikipedia, the free encyclopedia](#) score- 21.863834

\$150,000) cash prize for **Sachin Tendulkar**, Zaheer **Khan**.[29] Karnataka government announced ₹2.5 million

[2011 Cricket World Cup Group B - Wikipedia, the free encyclopedia](#) score- 21.24095

) **Sachin Tendulkar** 120 (115) Tim Bresnan 5/48 (10 overs) Andrew Strauss 158 (145) Zaheer **Khan** 3/64 (10

[Sunil Gavaskar - Wikipedia, the free encyclopedia](#) score- 21.21258

Query 7 : Lenovo AND NOT tablet

TF-IDF Result

The Crawlers

☒ TFIDF ☐ BM25

78 results found.

[Category:Subnotebooks - Wikipedia, the free encyclopedia](#) score- 0.18399498
HP Mini HP Mini 2140 L **Lenovo** IdeaPad U300s **Lenovo** IdeaPad U310 M MSI Wind Netbook O OLPC XO One A110
[Zopo Mobile - Wikipedia, the free encyclopedia](#) score- 0.16263011
."Smartphone wars. Smartphone News: Q4 Results, **Lenovo** Grows, Vertu Goes Android, ZTE". BSN. BSN. Retrieved
[Laptopical - Wikipedia, the free encyclopedia](#) score- 0.15934432
of brands including Apple Computer, Dell, **Lenovo** and Sony. The site has also written articles about
[Blade server - Wikipedia, the free encyclopedia](#) score- 0.14084181
to **Lenovo** in 2014.[22] Cisco offers a Unified Computing System in its blade server portfolio: a domain
[Kejian - Wikipedia, the free encyclopedia](#) score- 0.13942628
Konka Group Lemote **Lenovo** LeEco Meizu Panda Electronics Perception Digital Rockchip Smartisan
[Changhong - Wikipedia, the free encyclopedia](#) score- 0.13942628
Haier Hasee Hisense Hisense Kelon Huawei HiSilicon Ingenic Joyoung JXD Konka Group Lemote **Lenovo** LeEco
[Hisense Kelon - Wikipedia, the free encyclopedia](#) score- 0.13942628
Lenovo LeEco Meizu Panda Electronics Perception Digital Rockchip Smartisan Skyworth Supor SVA Group
[Haier - Wikipedia, the free encyclopedia](#) score- 0.13799623
Ingenic Joyoung JXD Konka Group Lemote **Lenovo** LeEco Meizu Panda Electronics Perception Digital
[TCL Corporation - Wikipedia, the free encyclopedia](#) score- 0.13799623
Group Lemote **Lenovo** LeEco Meizu Panda Electronics Perception Digital Rockchip Smartisan Skyworth Supor
[Oppo Electronics - Wikipedia, the free encyclopedia](#) score- 0.13799623
Hisense Kelon Huawei HiSilicon Ingenic Joyoung JXD Konka Group Lemote **Lenovo** LeEco Meizu Panda Electronics

BM25 Result

The Crawlers

☐ TFIDF ☒ BM25

78 results found.

[Zopo Mobile - Wikipedia, the free encyclopedia](#) score- 9.452357
."Smartphone wars. Smartphone News: Q4 Results, **Lenovo** Grows, Vertu Goes Android, ZTE". BSN. BSN. Retrieved
[Category:Subnotebooks - Wikipedia, the free encyclopedia](#) score- 9.325861
HP Mini HP Mini 2140 L **Lenovo** IdeaPad U300s **Lenovo** IdeaPad U310 M MSI Wind Netbook O OLPC XO One A110
[Haier - Wikipedia, the free encyclopedia](#) score- 9.17001
Ingenic Joyoung JXD Konka Group Lemote **Lenovo** LeEco Meizu Panda Electronics Perception Digital
[TCL Corporation - Wikipedia, the free encyclopedia](#) score- 9.17001
Group Lemote **Lenovo** LeEco Meizu Panda Electronics Perception Digital Rockchip Smartisan Skyworth Supor
[Oppo Electronics - Wikipedia, the free encyclopedia](#) score- 9.17001
Hisense Kelon Huawei HiSilicon Ingenic Joyoung JXD Konka Group Lemote **Lenovo** LeEco Meizu Panda Electronics
[Meizu - Wikipedia, the free encyclopedia](#) score- 9.17001
Ingenic Joyoung JXD Konka Group Lemote **Lenovo** LeEco Meizu Panda Electronics Perception Digital
[BM - Wikipedia, the free encyclopedia](#) score- 9.146968
businesses to **Lenovo** (2005 and 2014, respectively), and acquiring companies such as PwC Consulting (2002
[Blade server - Wikipedia, the free encyclopedia](#) score- 9.084351
to **Lenovo** in 2014.[22] Cisco offers a Unified Computing System in its blade server portfolio: a domain
[Laptopical - Wikipedia, the free encyclopedia](#) score- 8.92915
of brands including Apple Computer, Dell, **Lenovo** and Sony. The site has also written articles about
[Compaq - Wikipedia, the free encyclopedia](#) score- 8.9112215
PC division to **Lenovo**. The Inquirer noted that the continued low return on investment and small

TF-IDF P@10:

5/10

BM25 P@10:

5/10

Analysis : Mean Average Precision

Mean average precision for a set of queries is the mean of the average precision scores for each query.

$$\text{MAP} = \frac{\sum_{q=1}^Q \text{AveP}(q)}{Q}$$

where Q is the number of queries.

Analysis : Mean Average Precision

$$\begin{aligned}\text{MAP(TF-IDF)} &= (0.3 + 0.5 + 0.6 + 0.6 + 0.5 + 0.5 + 0.5)/7 \\ &= 0.50\end{aligned}$$

$$\begin{aligned}\text{MAP(BM25)} &= (0.7 + 0.5 + 0.9 + 0.7 + 0.6 + 0.4 + 0.5)/7 \\ &= 0.61\end{aligned}$$

Since Mean Average Precision for BM25 is greater than TF-IDF. So It can be concluded that BM25 performs better than TF-IDF.

Thank You