



Automatic Keyphrase Extraction for News Media

“Want information, not documents”

--User

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News Observatory System for Evolving World Events

News Headlines for World Events

World | Africa | Australia | **Europe** | Latin America | Middle East | US & Canada

Paris attacks: Key questions after Abaaoud killed
By Laurence Peter
BBC News
© 20 November 2015 | Europe



■ Sheena Bora murder case: Peter Mukerjea arrested: CBI files chargesheet

Nitish still the popular leader

Bihar polls: 10 big India Today-Cicero survey takeaways

Onward robotic soldiers: IIT students pioneer cutting-edge research
Picture this: Robots braving bullets while ferrying weapons and ammunition to soldiers on the battle front. Or, a robotic arm resembling the human variety that can work in hazardous areas like blast furnaces. Students at IIT-Roorkee are swotting to turn these ideas into reality.

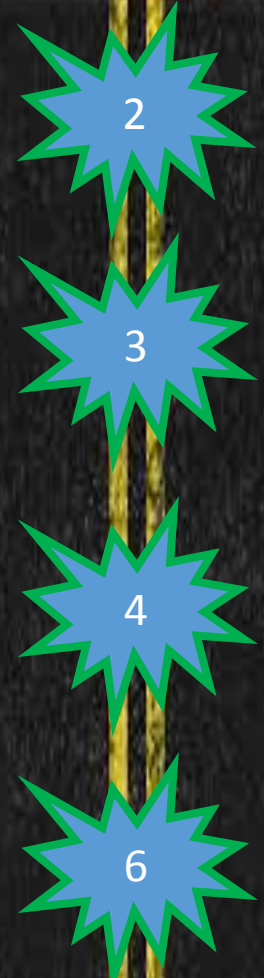
■ 1984 anti-Sikh riots: Withdraw Rajiv Gandhi's Bharat Ratna, demands HS Phoolka

Keyphrases for World Events

- Paris attacks
- The Gulf
- Bihar Polls
- Sheena Bora murder case
- Onward Robotic Soldiers
- 1984 Anti-sikh Riots

The Roadmap

1. Introduction
2. Problem Statement
3. Related Work
4. Literature Gaps
5. Keyphrase Quality Checkpoints
6. News-KEA
7. Experimental Work
8. Weakness of our Approach
9. Conclusion & References

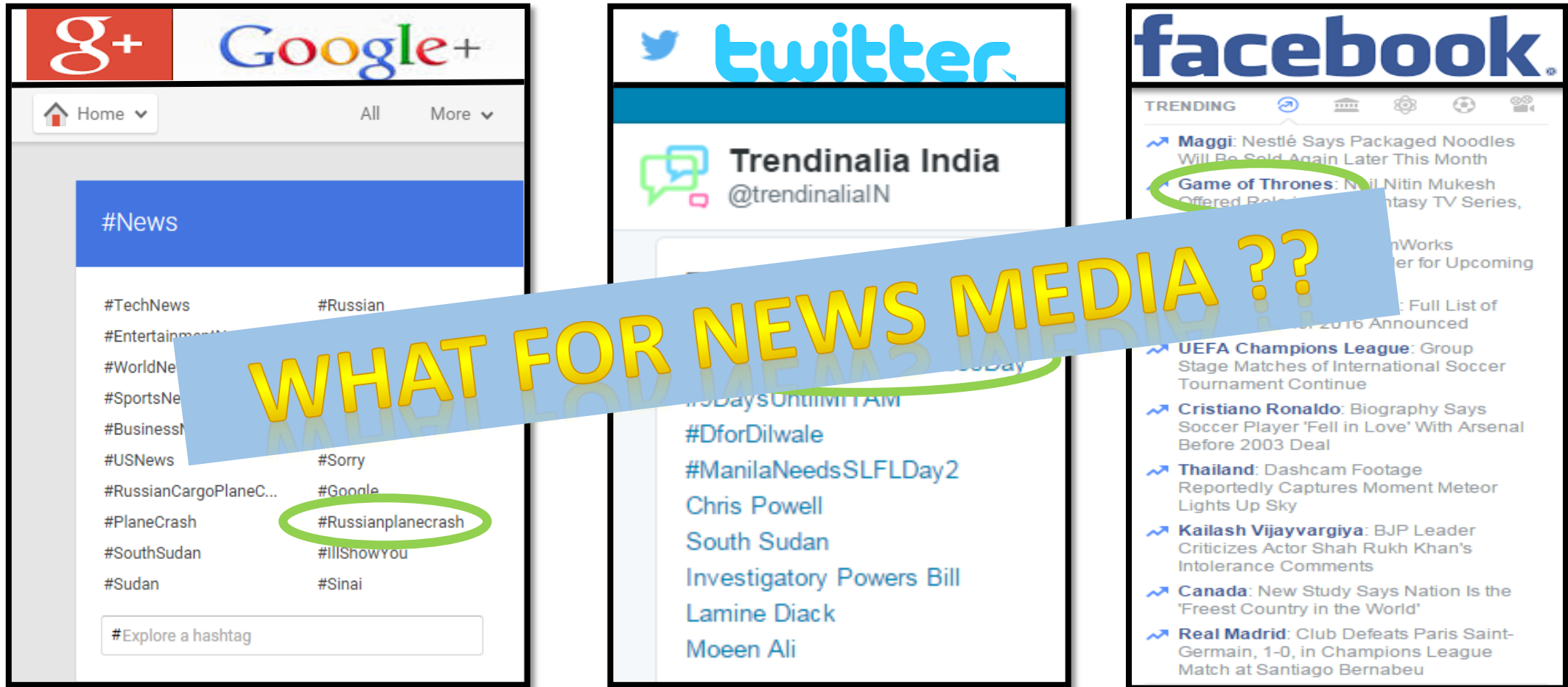


Automatic Keyphrase Extraction for News Media

- *Group of **WORDS**, i.e., Short in length*
- *Expresses an Important **CONCEPT***
- **NO** structure or grammatical **RULES**

Keyphrases in other social media

Keyphrases used by various social media to summarize their **trending content**



An Example of Keyphrases in News

Maruti Suzuki Baleno Receives More Than 21,000 Bookings

By Kritika Sethi | Nov 16, 2015

Maruti Suzuki Baleno, that was launched in India last month, has received over 21,000 bookings. With these numbers, the carmaker expects to garner better numbers this year as compared to that amassed during last year's festive season. In fact, RS Kalsi, Executive Director, Sales and Marketing, MSI, said, "We have witnessed over 56,000 footfalls for Baleno in the last 10 days and have already received 21,000 bookings for the premium hatchback."

While the festive season is now deemed over, Maruti Suzuki hoped to retail around 14,000-15,000 units on Dhanteras alone. Other than the festive spirit and the fact that it is considered an auspicious time to buy new products, Mr Kalsi believes low interest rates and cheaper fuel prices also influenced the market sentiment.

Also Read: Maruti Suzuki Baleno Prices, Specs, Features, and Photos

Talking about the company's plans for the Maruti Suzuki Baleno Mr Kalsi had previously said, "We hope to achieve leadership market share in the premium hatchback segment. We have invested about ₹1,060 crore in this project (manufacturing of Baleno). We will be making exports to 100 overseas locations including Europe, Japan, South America in 2016."

Maruti Suzuki Baleno Mileage:

- a. 1.2-litre VVT Petrol: 21.4Km/l
- b. 1.3-litre DDiS Diesel: 27.39Km/l

(With inputs from PTI)

Related Articles

- > [5 Hatchbacks Under ₹ 5 Lakh That You Can Buy This Diwali](#)
- > [Maruti Suzuki Plans to Provide Safety Features as Standard on Its Model Range](#)
- [Maruti Suzuki Baleno vs Hyundai i20: Battle of the Premium Hatchbacks](#)
- > [Ask SVP: City vs Verna vs Baleno, Figo Aspire or Nissan Sunny](#)
- > [Maruti Suzuki Ciaz Photo Gallery](#)

Tags

Maruti Suzuki Baleno Maruti Suzuki Baleno bookings Maruti Baleno Maruti Suzuki



Maruti Suzuki Baleno

₹5.41 lakhs On Road Price (New Delhi)

[BOOK TEST DRIVE](#)

8.3

NDTV RATING

Variants

- Sigma Petrol
- Delta Petrol
- Sigma Diesel
- Zeta Petrol
- Delta CVT Petrol
- Delta Diesel
- Alpha Petrol
- Zeta Diesel
- Alpha Diesel

Keyphrase uses

- Better summarisation
- Better indexing
- Better browsing
- Better metadata construction
- Classification and clustering
- Topic/content identification
- Back of book/document



Some more Applications



Keyphrases extracted from News corpus can be used News channels,

- Make it easy to **skim news** articles by Highlighting keyphrases.
- Search **temporal events** by using keyphrases as index terms.
- Refine **news queries on search engine** by using keyphrases as suggestions.
- Find **similar news content** by using keyphrases as a similarity metric.

Problem Statement

For a given concept*, mine *Interesting Keyphrases* from *News media information*, where a keyphrase is considered interesting if when it is shown to N persons, and more than N/2 persons find it interesting on the basis of *frequency*, *collocation* and *completeness* of the topic covered by the output set of keyphrases.

* *Concept can be any name, place, event, organization, etc.*