Researchers develop new search tool to help fight child porn, catch cyber thieves

Toronto Telegraph (ANI) Thursday 6th June, 2013

A new search tool developed by researchers in Canada can now help crime investigators extract hidden knowledge from a large volume of text and thereby catch cyber thieves.

With computing devices storing terrabytes of personal data, it can take months before enough evidence can be cobbled together from reams of documents, emails, chat logs and text messages.

But now a new technique has been developed by researchers at Concordia University, who have slashed the data-crunching time. What once took months now takes minutes.

Gaby Dagher and Benjamin Fung, researchers with the Concordia Institute for Information Systems Engineering, will soon publish their findings in Data and Knowledge Engineering.

Law enforcement officers are already putting this research to work through Concordia's partnership with Canada's National Cyber-Forensics and Training Alliance, in which law enforcement organizations, private companies, and academic institutions work together.
Researchers develop new search tool to help fight child porn, catch cyber... http://www.torontotelegraph.com/index.php/sid/215016007/scat/03cb86...

The researchers' new methods automatically identify the criminal topics discussed in the textual conversation, show which participants are most active with respect to the identified criminal topics, and then provide a visualization of the social networks among the participants.

Comments
No comments yet for this story
Have your say

Your name or nickname

Your comment

By submitting your comment you agree to our terms and conditions

Submit
Researchers develop new search tool to help fight child porn, catch cyber thieves

A new search tool developed by researchers in Canada can now help crime investigators extract hidden knowledge from a large volume of text and thereby catch cyber thieves.

With computing devices …

I've thought about retirement, but not when the British are saying we want regime change," Mr Mugabe told Japan's Kyodo news agency. I won't be changed by the British. My people will change me.

Robert Mugabe
The Zimbabwe president was commenting on elections to be held in July, which he will contest. He is 89.
Researchers develop new search tool to help fight child porn, catch cyber thieves
Boards of Canada's new album best suited to hardcore fans
10 injured after car collides with horse-drawn buggy in southwestern Ontario
Rob Ford's approval ratings remarkably steady through scandals

More Toronto News

Services sector in US shows pick up in activity
China orders probe against dumping of EU wines
Some older models of Apple smartphones face import ban in US
Treasury to divest 30mn more shares in US automaker GM

More Breaking Business News

California summit: her Chinese count
Saudis break ties with Western governments
Backed by Hezbollah: Western governments turning blind eye to fate of Rohingyas
Netanyahu condemns amusement park racism against Israeli Arabs
Don't deport all criminal immigrants
Dark future for women's rights in Afghanistan
AU has neglected human rights

More General Editorials News

Breaking Financial Markets News
Americas Best-Paid Banker Last Year Wasn't Jamie Dimon
Before NFP Release Traders Holding Steady
Employment A 30-year low
Apple trial Enter Amazon
Jobless claims Less firing but where's the hiring

More Breaking Financial Markets News

Winter Sport
Service Personnel
Skiing Ground with
Yurkiw edges Gagnon
Report Lindsey Vonn
Can Flexiskates kick skiing craze
New disease-to-drug snowboarder back

More Winter Sport
Researchers develop new search tool to help fight child porn, catch cyber...
Researchers develop new search tool to help fight child porn, catch cyber thieves

The researchers’ new methods automatically identify the criminal topics discussed in the textual conversation, show which participants are most active with respect to the identified criminal topics, and then provide a visualization of the social networks among the participants.

Dagher, who is a PhD candidate supervised by Fung, explained that the huge increase in cybercrimes over the past decade boosted demand for special forensic tools that let investigators look for evidence on a suspect’s computer by analyzing stored text.

He added that their new technique allows an investigator to cluster documents by producing overlapping groups, each corresponding to a specific subject defined by the investigator.

Fung said that, “out of all the types of available data in cybercrime investigation, text data is the most common medium used by scammers, identity thieves and child exploitation criminals. But this type of data is also the most challenging to analyze. It's
Researchers develop new search tool to help fight child porn, catch cyber... really hard make a software program automatically interpret the underlying meaning of the text."

The researchers have also developed a new search engine to help investigators identify the relevant documents from a large volume of text."

No comments yet for this story

Have your say

Your name or nickname

Your comment

By submitting your comment you agree to our terms and conditions

Submit
Researchers develop new search tool to help fight child porn, catch cyber thieves

A new search tool developed by researchers in Canada can now help crime investigators extract hidden knowledge from a large volume of text and thereby catch cyber thieves.

With computing devices ...

I've thought about retirement, but not when the British are saying we want regime change," Mr. Mugabe told Japan's Kyodo news agency. I won't be changed by the British. My people will change me.

Robert Mugabe
The Zimbabwe president was commenting on elections to be held in July, which he will contest. He is 89.
Researchers develop new search tool to help fight child porn, catch cyber thieves

Boards of Canadas new album best suited to hardcore fans

10 injured after car collides with horse-drawn buggy in southwestern Ontario

Rob Ford's approval ratings remarkably steady through scandals

More Toronto News

Services sector in US shows pick up in activity

China orders probe against dumping of EU wines

Some older models of Apple smartphones face import ban in US

Treasury to divest 30mn more shares in US automaker GM

More Breaking Business News

California summit: her Chinese counte

Saudis break ties w w

Backed by Hezboll:

Western governme Rohingyas

More Breaking In

Missed appointments. Lost work orders. Wrong parts.
or manage field service with ServiceMax

Breaking Financial Markets News

Americas Best-Paid Banker Last Year Wasn't Jamie Dimon

Before NFP Release Traders Holding Steady

Employment A 30-year low

Apple trial Enter Amazon

Jobless claims Less firing but wheres the hiring

More Breaking Financial Markets News

Western governments turning blind eye to fate of Rohingyas

Netanyahu condemns amusement park racism against Israeli Arabs

Don't deport all criminal immigrants

Dark future for womens rights in Afghanistan

AU has neglected human rights

More General Editorials News

Western Personnel

Yurkiw edges Gagn

Report Lindsey Vo:

Can Flexiskates kic skiing craze

New disease-to-dr snowboarder back

More Winter Spor
Cable News

UAE leaders greet Elizabeth on 60th anniversary
Vubiquity TiVo Play Ball
Euronews $1B MA Deal Raises Concerns
Ring Ma Bell ATT Continues 4G Summer
Designer dreams up cable anti-theft device

More Cable News

Pharmaceutical News

And Those Pharma Job Cuts Just Keep On Coming...
Zogenix Cutting 37 of Workforce
Avandia FDA May Reverse Restrictions
First Step to Fight TB Fix Drug Shortage
Vestiq to offer MagBID ER magnesium dietary supplement

More Pharmaceutical News

Weird News

Game of Thrones Ç Strange Trip
Caterer clogs pipes
Woman trying to li
Ohio gas prices up
I am so weird Paris

More Weird News

Researchers develop new search tool to help fight child porn, catch cyber... http://www.torontotelegraph.com/index.php/sid/215016007/scat/03cb86...

World Market

Indias Latest Moves to Buy Gold as Euro Equities Bounce
European stocks dro
Nasdaq 100 futures t
Treasurys inch lower
U.S. jobless claims f

News from around our Network

Haiti Sun

The Pebble Beach Of The Caribbean Puerto Ricos Great New Golf Resort
Colombia U.S. help train Haitian women police
NHRC issues notice to UP for cops beating woman
Two wounded in bear attack in Himachal

India Gazette

http://www.torontotelegraph.com/index.php/sid/215016007/scat/03cb86...
Researchers develop new search tool to help fight child porn, catch cyber...
Researchers have also developed a new search engine to help investigators identify the relevant documents from a large volume of text.

This new method of quickly sifting through huge amounts of text to zero in on the evidence could soon be used by law enforcement agencies around the world, meaning future cybercriminals can go to trial much more quickly, saving time for the police - as well as money for tax-payers. (ANI).
Saudis break Canada over I Canada's multi-bi exports to Saudi A the line as the tw ... 

Researchers develop new search tool to help fight child porn, catch cyber ... http://www.torontotelegraph.com/index.php/sid/215016007/scat/03cb86 ...

Boards of Can album best su hardcore fan Marcus Eoin and I Sandison speciali might call "inexa Operating since .

10 injured aft collides with horse-drawn southwestern Ten people have hospital after a c with a horse and...
Researchers develop new search tool to help fight child porn, catch cyber thieves

A new search tool developed by researchers in Canada can now help crime investigators extract hidden knowledge from a large volume of text and thereby catch cyber thieves.

With computing devices ...
Researchers develop new search tool to help fight child porn, catch cyber...

Boards of Canada's new album best suited to hardcore fans

10 injured after car collides with horse-drawn buggy in southwestern Ontario

Rob Ford's approval ratings remarkably steady through scandals

Services sector in US shows pick up in activity

China orders probe against dumping of EU wines

Some older models of Apple smartphones face import ban in US

Treasury to divest 30mn more shares in US automaker GM

Treasury to divest 30mn more shares in US automaker GM

More Breaking Business News

California summit: her Chinese count

Saudis break ties w

Backed by Hezboll:

Western governme Rohingyas

More Breaking In

More Toronto News

Breaking Financial Markets News

Americas Best-Paid Banker Last Year Wasn't Jamie Dimon

Before NFP Release Traders Holding Steady

Employment A 30-year low

Apple trial Enter Amazon

Jobless claims Less firing but where's the hiring

More Breaking Financial Markets News

General Editorials News

Western governments turning blind eye to fate of Rohingyas

Netanyahu condemns amusement park racism against Israeli Arabs

Don't deport all criminal immigrants

Dark future for women's rights in Afghanistan

AU has neglected human rights

More General Editorials News

Winter Sports

Service Personnel

Yurkiw edges Gagn

Report Lindsey Vo:

Can Flexiskates kick skiing craze

New disease-to-dr

snowboarder back

More Winter Spor
Cable News

UAE leaders greet Elizabeth on 60th anniversary
Vubiquity TiVo Play Ball
Euronews $1B MA Deal Raises Concerns
Ring Ma Bell ATT Continues 4G Summer
Designer dreams up cable anti-theft device

More Cable News

Pharmaceutical News

And Those Pharma Job Cuts Just Keep On Coming...
Zogenix Cutting 37 of Workforce
Avandia FDA May Reverse Restrictions
First Step to Fight TB Fix Drug Shortage
Vestiq to offer MagBID ER magnesium dietary supplement

More Pharmaceutical News

 Weird News

Game of Thrones Ç Strange Trip
Caterer clogs pipes
Woman trying to li
Ohio gas prices up
I am so weird Paris

More Weird News

World Markets

Indias Latest Moves to Buy Gold as Euro Equities Bounce
European stocks dro
Nasdaq 100 futures t
Treasurys inch lower
U.S. jobless claims f

News from around our Network

The Pebble Beach Of The Caribbean Puerto Ricos Great New Golf Resort
Colombia U.S. help train Haitian women police
NHRC issues notice to UP for cops beating woman
Two wounded in bear attack in Himachal

Showing 1 thru 5 out of 5

Subscribe to our Newsletter

Get the latest Toronto Telegraph headlines delivered to your inbox.

Your email address

Submit *We hate spam as much as you. Privacy

Add Toronto Telegraph news headlines to your site. Get started