@who’s talking about #music?

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Use case scenario
Use case scenario
Use case scenario
Use case scenario

3 clicks + 2 searches
Proposed Solution

• Introduction
• Proposed Solution
• Future Work
• Conclusion
#one click solution

- Combining data from Musicbrainz with Twitter (tweets)
  - Using Twitter API/Twitter dataset (16M tweets)
- Searching for appropriate music hashtags tweeted by users
- Analyzing the frequency of the specific hashtags per user
- Ranking of the most prolific users per hashtag
- Presenting results using Information Workbench

→ One click to follow an appropriate user!
Storing Twitter Information

<http://some_topic>

group1:assocSubject

group1:Association

group1:assocObject

foaf:OnlineAccount

“0.9”

taxd:float

26/05/2012 May 26, 2012

2nd ESWC Summer School 2012 9/12
Experimental Setup

- Musicbrainz Repository
- Information Workbench
- Twitter Data
- User Interface
## Twitter Stats

<table>
<thead>
<tr>
<th>Hashtag</th>
<th>UserID</th>
<th>Hashtag/User</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>rihanna</td>
<td>SoCelebRihanna</td>
<td>4/4</td>
<td>1.0</td>
</tr>
<tr>
<td></td>
<td>news4trends</td>
<td>8/86</td>
<td>0.09</td>
</tr>
<tr>
<td>beatles</td>
<td>BEATLESDAY</td>
<td>5/12</td>
<td>0.042</td>
</tr>
<tr>
<td>u2</td>
<td>tweettools4U</td>
<td>6/6</td>
<td>1.0</td>
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<tr>
<td></td>
<td>u2torrents</td>
<td>4/4</td>
<td>1.0</td>
</tr>
<tr>
<td>mjbieber</td>
<td>RIP_Michael</td>
<td>17/17</td>
<td>1.0</td>
</tr>
<tr>
<td></td>
<td>JustinBieber</td>
<td>13/16</td>
<td>0.813</td>
</tr>
<tr>
<td>ladygaga</td>
<td>SoLadyGagaGaga</td>
<td>4/4</td>
<td>1.0</td>
</tr>
<tr>
<td></td>
<td>heygagaru</td>
<td>5/5</td>
<td>1.0</td>
</tr>
</tbody>
</table>
U2

Interested in what's going on about U2?

Follow...

Tags: rock, classic rock, irish, pop, alternative

@tweettools4U
Score 1.0 based on 6 Tweets

@u2torrents
Score 1.0 based on 4 Tweets

U2 is an Irish rock band which formed in 1976 in Dublin, Ireland. Since the band’s formation, they have consisted of Bono (real name Paul Hewson) (vocals, guitar, harmonica), The Edge (real name David Evans) (guitar, keyboards, backing vocals), Adam Clayton (bass) and Larry Mullen, Jr. (drums, percussion). The band is the biggest selling alternative rock act of all time, having sold 140 million albums worldwide as of 2008. They have won 22 Grammys and were inducted into the Rock & Roll Hall of Fame in 2005. As of 2009, they have released 12 albums and 58 singles.
Future Work

- Introduction
- Proposed Solution
- Future Work
- Conclusion
Future Work

- Explicit user feedback
- Forecast popular music genres
- Apply to different scenarios
- Consider correlated tags for related content
Conclusion

• Introduction
• Proposed Solution
• Future Work

• Conclusion
Conclusion

- Combined Twitter with Musicbrainz
- Score users on hashtag frequency
- Suggest Twitter users based on the displayed content
- Having a user interface to visualize the results

→ one click solution

Thank you for your attention!

Questions?
Related Work


Lady Gaga

Interested in what's going on about Lady Gaga?

Follow...

Tags: pop, dance, electronic, female vocalists, female vocalist

@heygagaru
Score 1.0 based on 5 Tweets

@SoLadyGagaGaga
Score 1.0 based on 4 Tweets

Stefani Joanne Angelina Germanotta (born March 28, 1986), who performs under the stage name Lady Gaga, is a singer, songwriter and musician from New York City, New York, United States. Before Gaga adopted her stage name she was in a band called Stefani Germanotta Band. She released her first EP, "Red and Blue", in early 2006. The following year, music producer Rob Fusari dubbed her Lady Gaga, inspired by the Queen song "Radio Gaga". After this she recorded her first two songs as Lady Gaga (Fever and Wonderful) on Def Jam records, but was later let go.