Event and Sub-Event Detection in Social Networks

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June 2019
Motivation

Yelp, DBLP, Facebook, Instagram, Stack Overflow, Twitter, Foursquare

Antonia Saravanou GEC 2019
Motivation

Music events

Disasters & Emergencies

Sport Events

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Structured based methods (users)
Content-based methods (contents)
Our method (heterogeneous graph)
Detect activity about Events

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2/3
Event: Champions League 2017 Final

Group similar activity to events
Event: Champions League 2017 Final Match
Event: Champions League 2017 Final Match

Sub-Event: Start-End Time

19:45
Start-time

Half-time

21:50
End-time
Timeline of the Event (Sub-Events)

Event: Champions League 2017 Final Match

Sub-Event: Goals

- Mandžukić 27’
- Ronaldo 20’
- Casemiro 61’
- Ronaldo 64’
- Asensio 90’

Start-time: 19:45
Half-time: 20:45
End-time: 21:50
Timeline of the Event (Sub-Events)

Event: Champions League 2017 Final Match

Sub-Event: Penalty Cards

- Mandžukić 27’
- Ronaldo 20’
- Toni Kroos 53’
- Casemiro 61’
- Juan Cuadrado 72’
- Juan Cuadrado 84’
- Ronaldo 64’
- Asensio 90’

Start-time: 19:45
Half-time: 20:15
End-time: 21:50
THANK YOU!
Poster ID: 06
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