

Online Statistics of Keyword-Indexed Youtube Videos

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Motivations: Analyzing characteristics of Youtube videos

- Youtube produces huge video traffic (4 billion hours per month)
- Scalability is critical for Youtube with massive users
- Infrastructure of Youtube CDN should be maintained according to Youtube video characteristics
- No online Youtube video crawl and statistic tool is available
- Youtube API does not provide any statistic result nor immediate graphic statistic reports for a set of videos

Online Youtube videos statistic system

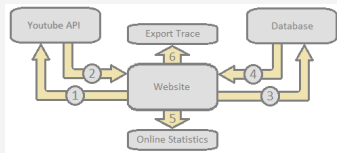
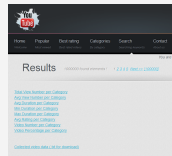
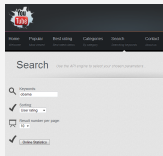


Figure 1 : System Architecture

- Keyword-indexed video statistics
- Video Statistic for different categories
- Statistic of most favorite videos
- Statistic of most popular videos

Snapshot of demo website



<http://lia.univ-avignon.fr/fileadmin/documents/Users/Intranet/chercheurs/public/fzhou/youtube/bySeek.php>

Some statistic results for videos related to the keyword "Obama"

