Artist Popularity: Do Web and Social Music Services Agree?

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Practical implications
No two indices are completely equivalent: we can use them to promote diversified recommendations.
Service-based indices change at a much lower speed.
The Web index is highly dynamic.

Limitations
No constraint on regions, but concerts and culture are local events, important within a specific community.
Positive vs negative popularity: exploit the context (where an artist is mentioned) in the Web index.

Open questions
Are users more interested in currently popular artists or they prefer those that are always popular?
Should all the reasons why an artist could be popular considered equally important?

Temporal dynamics

Correlations

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Tag clouds

Dataset
1,312 artists
Timestamped popularity indices (~ every 3 hours)
Jan 21 – Mar 21 including the Grammy awards and The Oscars

Check the source code and dataset at:
http://www.cwi.nl/~media/papers/ICWSM13