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## Project 2a Why the iterative computation of page-ranks are not by default normalized

S

Sandipan Dey  
4 days ago in Projects

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Which part of the project are you working on?

Project 2a Iterative Algorithm

**What problem are you having?** Describe the problem in detail. If appropriate, include any error messages, screenshots, or small snippets of code to describe the issue.

Why the iterative computation of page ranks are not by default normalized, any intuition will be very helpful

What have you already tried so far to resolve the problem?

Implementation with both the approaches: <https://www.youtube.com/watch?v=8CHTqhmsi1M>

Comment Edit Delete ...

V

Vu Quach 4 days ago  
what do you mean by "are not by default normalized"?

 Reply ...

S

Sandipan Dey 4 days ago

I meant that the page ranks computed using the iterative algorithm don't necessarily sum to 1 by default, i.e., if we compute rank of any page  $p$  with the following formula (the recurrence relation given in the project)

$$R(p) = \frac{1-d}{N} + d \cdot \sum_{q: q \rightarrow p} \frac{R(q)}{|\{s : q \rightarrow s\}|}$$