

New Thread

Search

Filter

COURSES

CS50AI 56

CS50W 78

CATEGORIES

General

Lectures

Projects

This Week

Project 1b known_mines and known_safes

Projects Anonymous 2h 1

Project 2a Why the iterative computation of p...

Projects Sandipan Dey 7h 3 (1 new)

Project 1a: Knights

Projects Anonymous 11h 12

problem with Minimax algorithm function

Projects Ibrahim Mansey 11h 2

Project 6

General sambhav gupta 14h 4

Edx Course dates?

General Sanjay Giri 1d 1

Python: ModuleNotFoundError: No modul...

General Nicolaus Hee 1d 2 (2 new)

Course Completion Date

General Anonymous 1d 2

Double Negation Elimination Example

Lectures Anonymous 2d 4

Asking recommendation to fill my skills up.

7 others online

CS50AI

- Vu Quach 7 hours ago
 what do you mean by "are not by default normalized"?
 Reply
- Sandipan Dey 4 hours 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)
- $$R(p) = \frac{1-d}{N} + d \cdot \sum_{q: q \rightarrow p} \frac{R(q)}{|\{s : q \rightarrow s\}|}$$
- (here $q \rightarrow p$ means there exists a link from q to p)
- it's not guaranteed that
- $$\sum_p R(p) = 1$$
- We have to re-normalize on our own, to ensure that the above holds true.
- Reply Edit Delete
- Vu Quach an hour ago
 Replying to Sandipan Dey
 It always sum to 1. You might see something like 0.999999999999999929 or 1.000000000000000031, that is expected because binary division might not returning the right base 10 division
 Reply

Did you find a solution to your question?

Answer your question