

Twitter Thread by Ferruccio Balestreri ■



Ferruccio Balestreri ■

[@Oxferruccio](#)

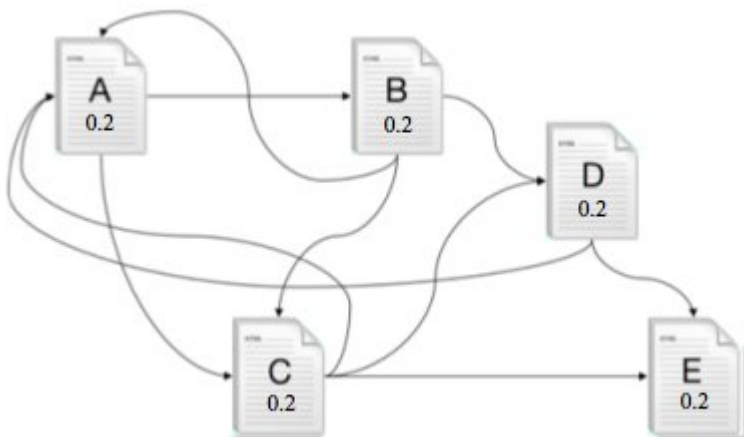


■■■■■ How Google's PageRank algorithm works

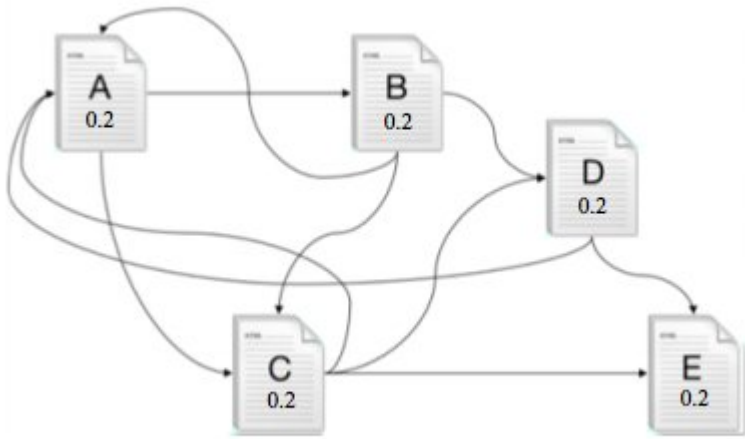
The PageRank algorithm gives each page a rating of its importance, which is a recursively defined measure of importance, based on if important pages link to it. It's recursive because the importance of a page refers back to the importance of other pages that link to it

Here's how it works in practice:

1■ We start with some pages and crawl them for links



2■ Each page has $1/N$ points (where N as the total number of pages)

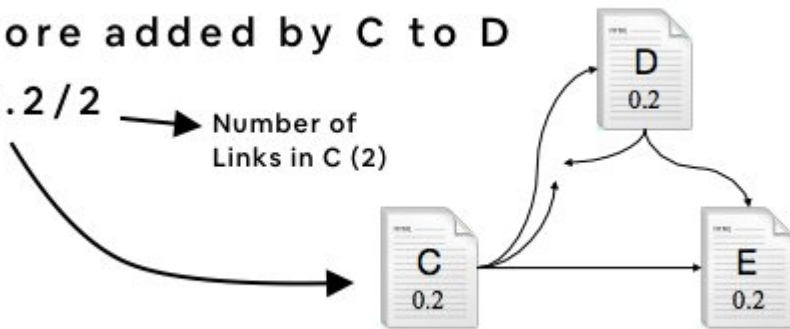


3■ Add points to each page for the amount of links to it, divided by the number of links emanating from the sources of these links

Score added by C to D

$$0.2 / 2$$

Number of Links in C (2)



4■ If a page has no links redistribute its points equally among all the other pages

■ Repeat until the page points stabilise (what really happens repeating is that at each repetition there's a damping of the redistribution, but that's not easy to understand or explain ■ but you can imagine it as a "decay" of points being redistributed)