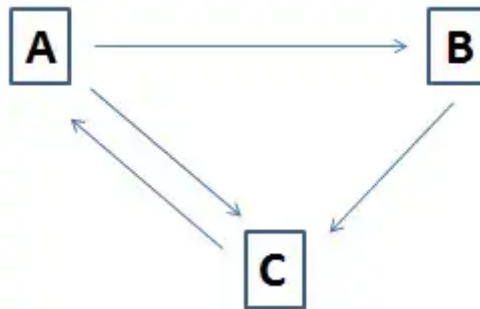# PageRank Algorithm

What is it?

PageRank is an algorithm designed from google to rank the importance of the page, and how this page will appear in the search engine Google engine provide the most quality results than other engines because of this algorithm.

How it works?

By counting how many other pages/websites points to this page, also the value of these pages. It is not how many links to it there are others factors can influence/effect the PageRank

Simple Formula:
PR(A) = (1-d) + d[PR(Ti)/C(Ti) + …. + PR(Tn)/C(Tn)]

Factors that influence PageRank:

- The number of links => internal, external links and backlinks
- Link attributes => nofollow tags
- Link placement => up or bottom of the pages
- Anchor text => 'iPhone case ' has a link with the same title

Where we use it?

- PageRank in Sports
- PageRank in Recommender system
- PageRank in Social Network

Graph From code