# G1 =>

## Top 5 Pages by PageRank

1. Digital\_object\_identifier
2. International\_Standard\_Book\_Number
3. National\_Diet\_Library
4. PubMed\_Identifier
5. Wayback\_Machine

## Top 5 Pages by in-links count

In-links count Document ID

479 International\_Standard\_Book\_Number

455 Digital\_object\_identifier

423 Renewable\_energy

280 Efficient\_energy\_use

252 United\_States

In our case, the Page Rank score comprises of two components:

1. Spread from sink-nodes
2. Share from in-links

Although “International\_Standard\_Book\_Number” has the highest number of in-links, but it has ranked “Second” by our algorithm. It is mainly because number of out-links of each in-link to this web-page is more than the number of out-links of each in-link to “Digital\_object\_identifier”. That is, the share “International\_Standard\_Book\_Number” get from in-links is less than what “Digital\_object\_identifier” gets.

The first 2 pages have an in-link from almost all the web-pages of wiki as they are mentioned in References section of each page

National\_Diet\_Library too has hundreds of in-links plus the share it gets from the in-link “International\_Standard\_Book\_Number” boosts its rank.

PubMed\_Identifier is again something that comes in the reference section and has the highest ranked page “Digital\_object\_identifier” as its in-link too.

Wayback\_Machine is related to digital archive of WWW and is present in References section of most of web-pages thus having a good number of in-links plus from quality pages that boosts its PageRank Score.

# G2 =>

## Top 5 Pages by PageRank

1. WT21-B37-76
2. WT21-B37-75
3. WT25-B39-116
4. WT23-B21-53
5. WT24-B26-10

## Top 5 Pages by in-links count

In-links Document ID

2568 WT21-B37-76

1704 WT21-B37-75

1137 WT01-B18-225

1041 WT08-B19-222

990 WT08-B18-400

The first two highest page rank scores are two the two webpages that have by-far the most number of in-links.

1. The numberofOutlinks of the inlinks of “WT25-B39-116” is lesser than the numberofOutlinks of the in-links of “WT01-B18-225”. The factor by which the pagerank of inlink of “WT25-B39-116” affects is more than the affect by the in-links of “WT01-B18-225”.
2. The pages like “WT23-B21-53” and “WT24-B26-10” have really very-low outlink count, tus hardly distributes their page-rank score. Plus, they have good amount of in-links which boost their pagerank score.
3. Moreover, the pagerank algorithm also accounts for the popularity of a page. Probably a link which has lower number of in-links but higher popularity will make its pagerank score high.