```
Wikipedia.org1
    Facebook.com Amazon.com
Youtube.com Twitter.com
Qq.com
                          Taobao.com
    ??
    Big<sup>56</sup>
Linked
Noisy
Unstructured
Incomplete
          9
    10
    111213
          (e_i, a_i j, s_i j k l, h_k, t_l)
    e_i a_{ij} h_k t_l s_{jkl}
g: D \to S, g(d) = \arg \max_{S} f(d, s)
(1)
   gfff
    SD = \sum_{w \in D} S_w * weight(w) * modifier(w) \sum weight(w)
(2) S_w weight(w) modifier(w) \\ PMI(x, y) = \log_2 F(x, y) F(x) F(y)
    F(x,y)F(x)x
    PMI - IR(x) = \sum_{p \in pWords} PMI(x,p) - \sum_{n \in nWords} PMI(x,n)
\begin{array}{c} (4) \\ pWordsnWords \\ ?? \end{array}
(5)\begin{cases} \{(f,s_f)|rep(f,)>\rho_f,s_f=agg(S,f)\}\\ frep(f,)s_ffagg(S,f)f \end{cases}
     _F ramwork.png
    http://www.cnnic.cn/hlwfzyj/hlwfzzx/qwfb/201408/t20140825_47878.htm
    www.alexa.com20149
    http://en.wikipedia.org/wiki/Social
    me-
    dia/
    http://www.twitter.com/
    http://www.flickr.com/
    http://www.whitehouse.gov/sites/default/files/docs/big_data_privacy_report_may_1_2014.pdf http://www.facebook.com/www.amazon.com
    www.yelp.com
    www.tripadvisor.com
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