

Two Problems of the Simplest VSM

Query = “news about presidential campaign”

d2 ... **news about** organic food **campaign**... $f(q,d2)=3$

d3 ... **news** of **presidential campaign** ... $f(q,d3)=3$

d4 ... **news** of **presidential campaign** ... $f(q,d4)=3$
 ... **presidential** candidate ...

1. Matching “**presidential**” more times deserves more credit
2. Matching “**presidential**” is more important than matching “**about**”