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Design of site?

- Proper words
 - In the proper places
- Proper structure
 - Links to and from
- But remember, people need to use the site too



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- Techniques to hide the use of boosting
 - From humans and web crawlers



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- Manipulating the text of web pages in order to appear relevant to queries

- Link spamming
 - Creating link structures that boost page rank or hubs and authorities scores





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Term spam targets

- Body of web page
- Title
- URL
- HTML meta tags
- Anchor text













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Hiding techniques

- Content hiding
 - Use same color for text and page background
- Cloaking
 - Return different page to crawlers and browsers
- Redirection
 - Alternative to cloaking
 - Redirects are followed by browsers but not crawlers

















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Approaches to picking seed set

- Suppose we want to pick a seed set of k pages
 - PageRank
 - Pick the top k pages by page rank
 - Assume high page rank pages are close to other highly ranked pages
 - We care more about high page rank "good" pages



- Page Rank in G' is inverse page rank in G
- Pick top k pages by inverse page rank