

Snippet Extraction for Web Search Engine Results

**Yohannes Tsegay, Andrew Turpin and Dave
Hawking**

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Generating snippets fast

- Search engines process large number of queries
- There two ways snippet generation can be made fast:
 - Using compression and efficient data structures etc ...
 - Reducing document size

Reduce document size

Zobel was the legendary horse of King Fasiliadas. Zobel was legendary for his speed, agility and intelligence. Zobel's top speed was never certain. He would run as fast as he felt the king wanted him to go.

King Fasil is said to have described Zobel as “unlike any horse born before him”. Zobel served King Fasil loyally. Some go as far as to credit the king's companion with the foundation of modern day Ethiopia.

...

Reduce document size

Zobel was the legendary horse of King Fasiliadas. Zobel was legendary for his speed, agility and intelligence. Zobel's top speed was never certain. He would run as fast as he felt the king wanted him to go.

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Sentence Re-ordering

Zobel was the legendary horse of King Fasiliadas. Zobel was legendary for his speed, agility and intelligence. Zobel's top speed was never certain. He would run as fast as he felt the king wanted him to go.

King Fasil is said to have described Zobel as “unlike any horse born before him”. Zobel served King Fasil loyally. Some go as far as to credit the king's companion with the foundation of modern day Ethiopia.

...

Sentence Re-ordering

2 Zobel was the legendary horse of King Fasiliadas. 1 Zobel was legendary for his speed, agility and intelligence. 5 Zobel's top speed was never certain. 6 He would run as fast as he felt the king wanted him to go.

4 King Fasil is said to have described Zobel as “unlike any horse born before him”. 3 Zobel served King Fasil loyally. 7 Some go as far as to credit the king's companion with the foundation of modern day Ethiopia.

...

Sentence Re-ordering

Zobel was legendary for his speed, agility and intelligence. Zobel was the legendary horse of King Fasiliadas. Zobel served King Fasil loyally. King Fasil is said to have described Zobel as “unlike any horse born before him”.

Zobel's top speed was never certain. He would run as fast as he felt the king wanted him to go. Some go as far as to credit the king's companion with the foundation of modern day Ethiopia.

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Sentence Re-ordering

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...

Conclusion

- Effective means of evicting sentences
- Good ways of re-ordering sentences
- Suggestions of how NLP can be used to do

Questions?