

# Summary

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NLP Systems and Applications  
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# Results

	<b>100 – Char Strict: 2006</b>	<b>100 - Char Lenient: 2006</b>	<b>100– Char Strict:2007</b>	<b>100– Char Lenient: 2007</b>
Group 1	0.088	0.29	0.05	0.21
Group 2	0.126	0.26	0.09	0.23
Group 3	0.106	0.239	0.124	0.259
Group 4	0.083	0.146	0.083	0.16
Group 5	0.04	0.18	0	0.08
Group 6	0	0.032	0	0.037

# Improvements

- Many substantial since D3
- Sources of improvement:
  - Scaling: e.g., log IDF
  - Classifiers: question, answer
  - Span handling: tiling, no sentence crossing

# Observations

- Semantic roles: FRAMENET
  - Lots of potential but hard to use
    - Coverage, inconsistencies, APIs
- Engineering matters:
  - Caching, integration
- Retrieval matters:
  - Bing vs Google