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Systems Center
San Diego

The Tipster Question-and-Answer (Q&A) Summarization Task: Test Results

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Answer Recall (ARA) vs Compression (1-Compression) for Each Topic and Site

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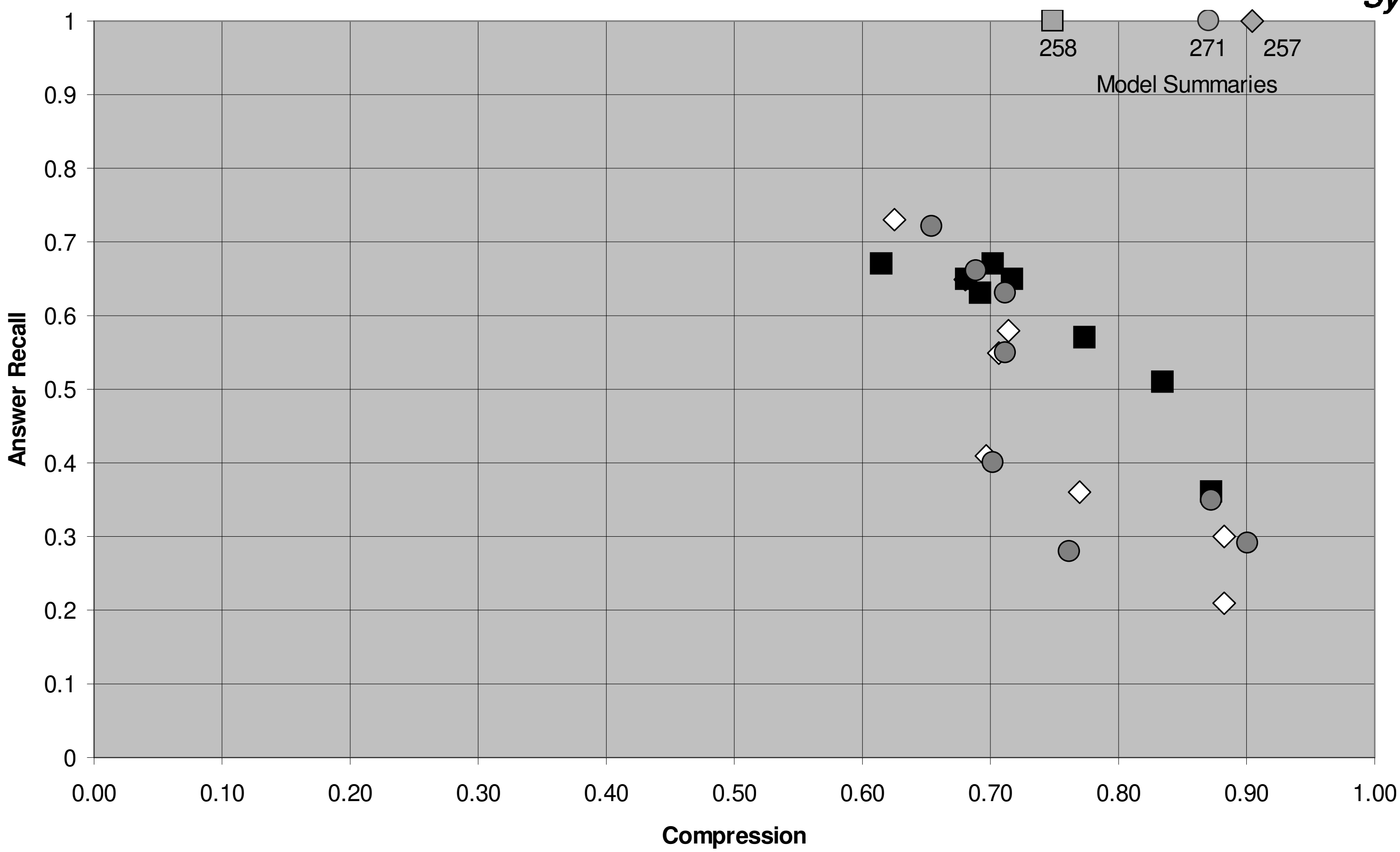

Unnormalized Answer Recall by Topic and Site (Sites Ordered by Decreasing ARA)

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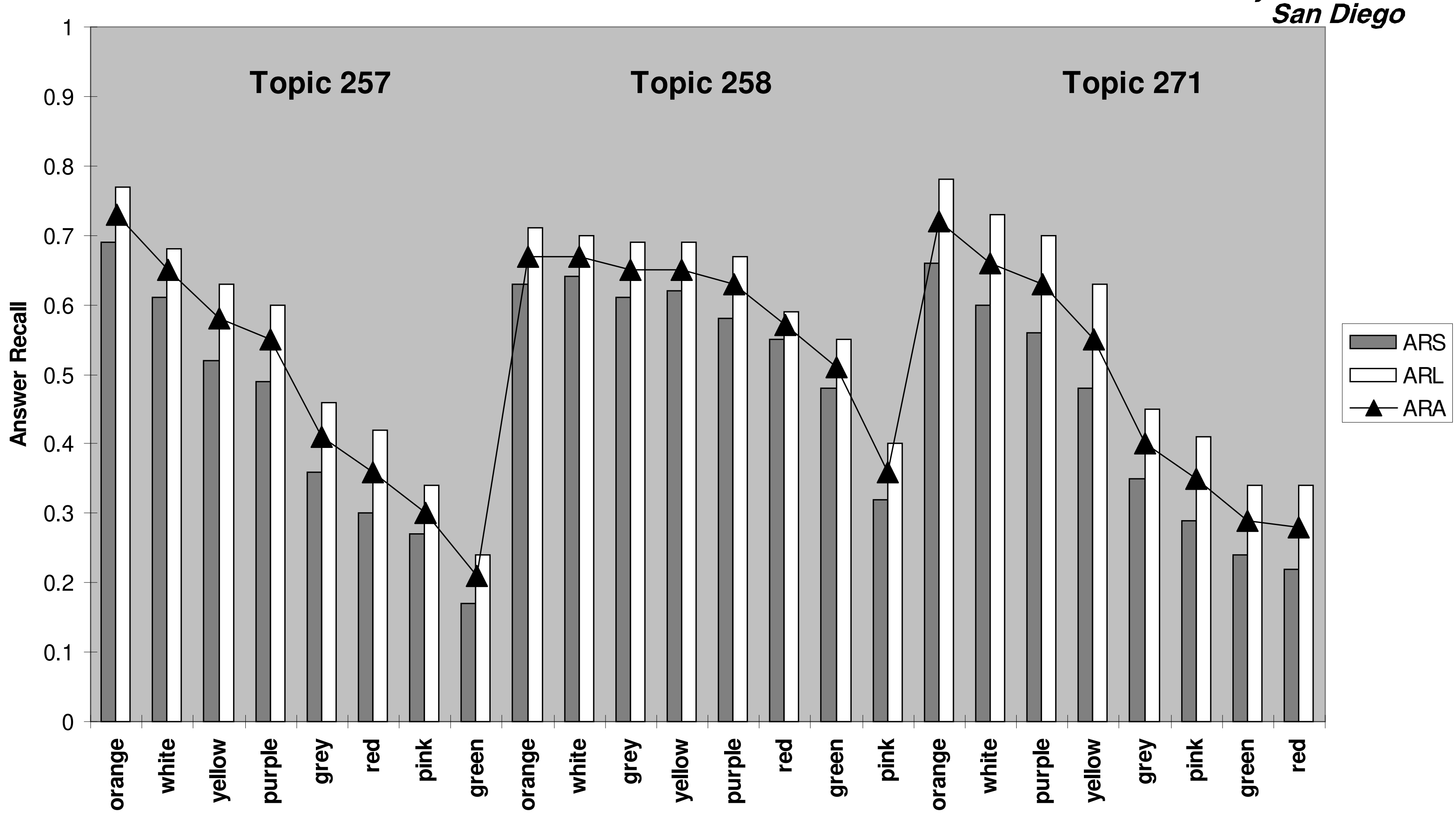
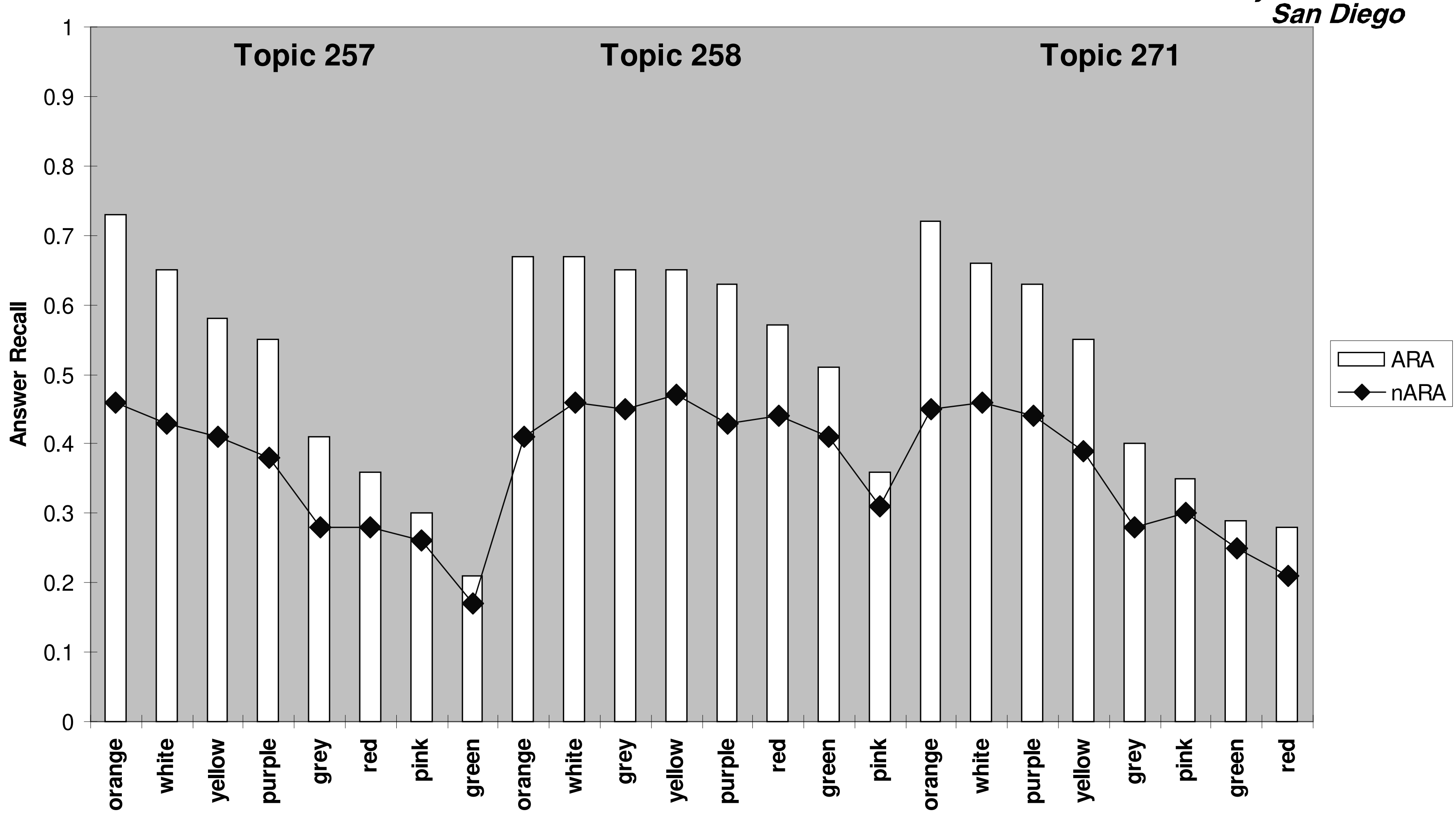


Unnormalized and Normalized Recall Average by Topic and Site (Sites Ordered by Decreasing ARA)



Answer Recall (ARA) by Question (Q1-Q4): Topic 257

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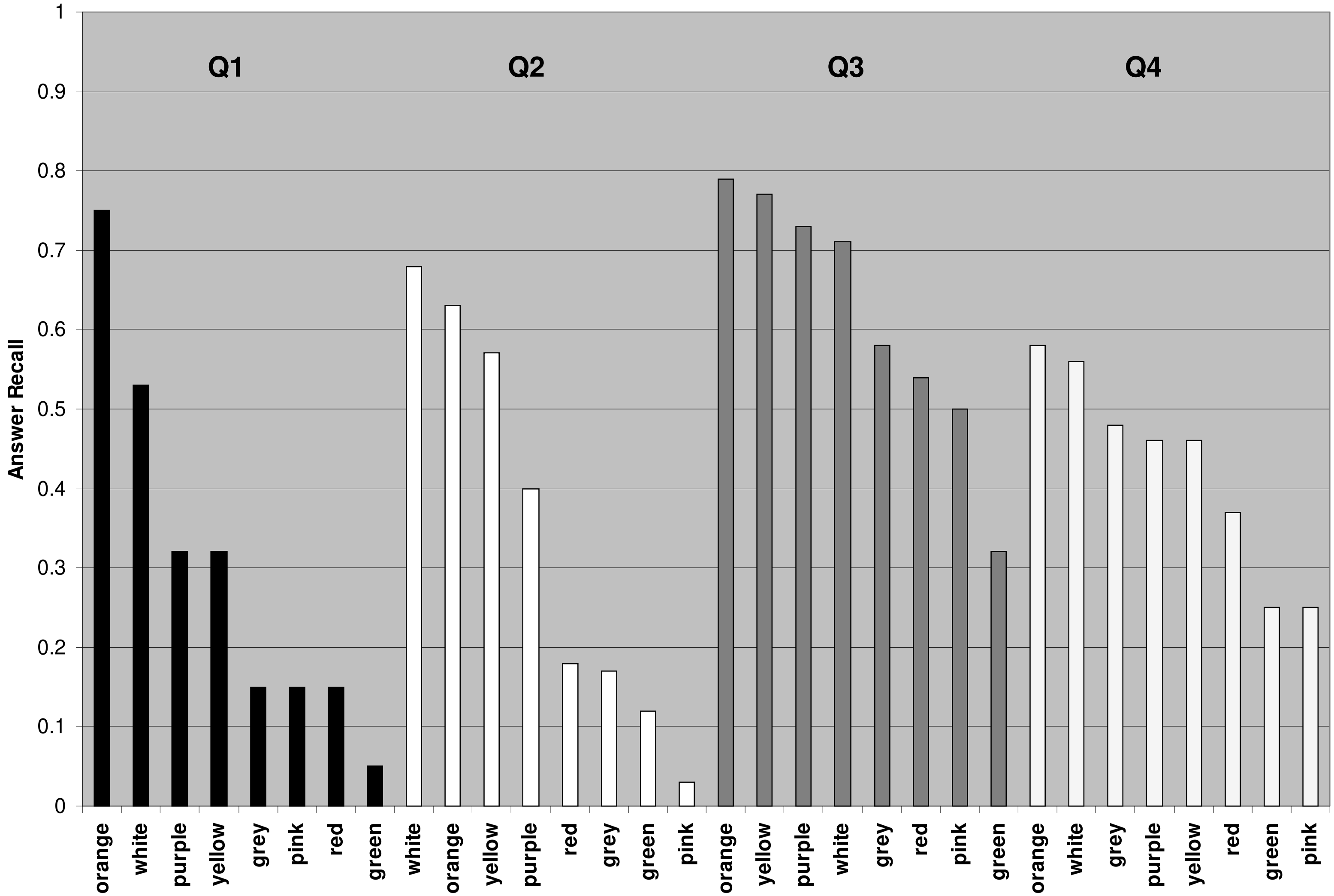

Answer Recall (ARA) by Question (Q1-Q5): Topic 258

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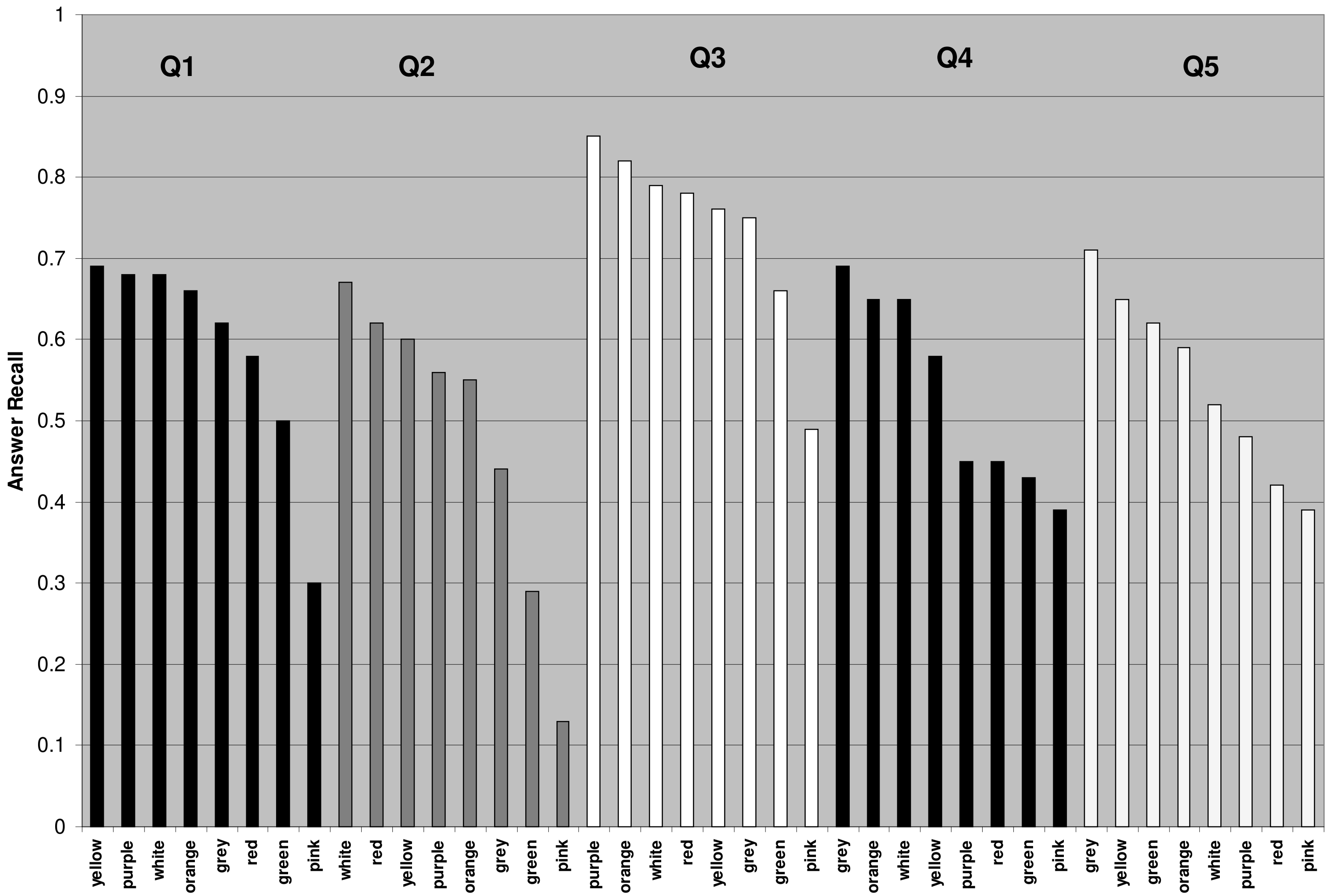
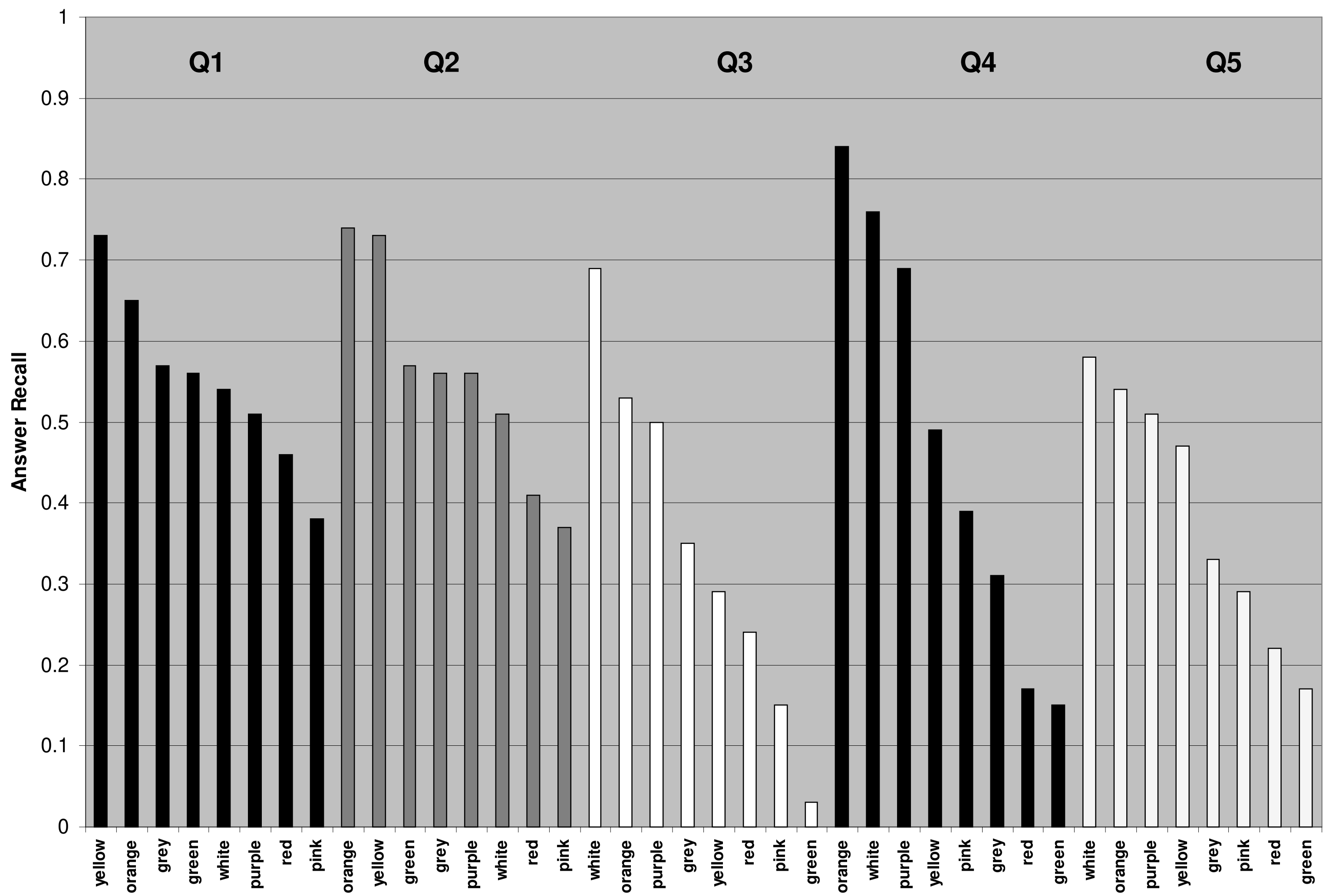


Answer Recall (ARA) by Question (Q1-Q5): Topic 271



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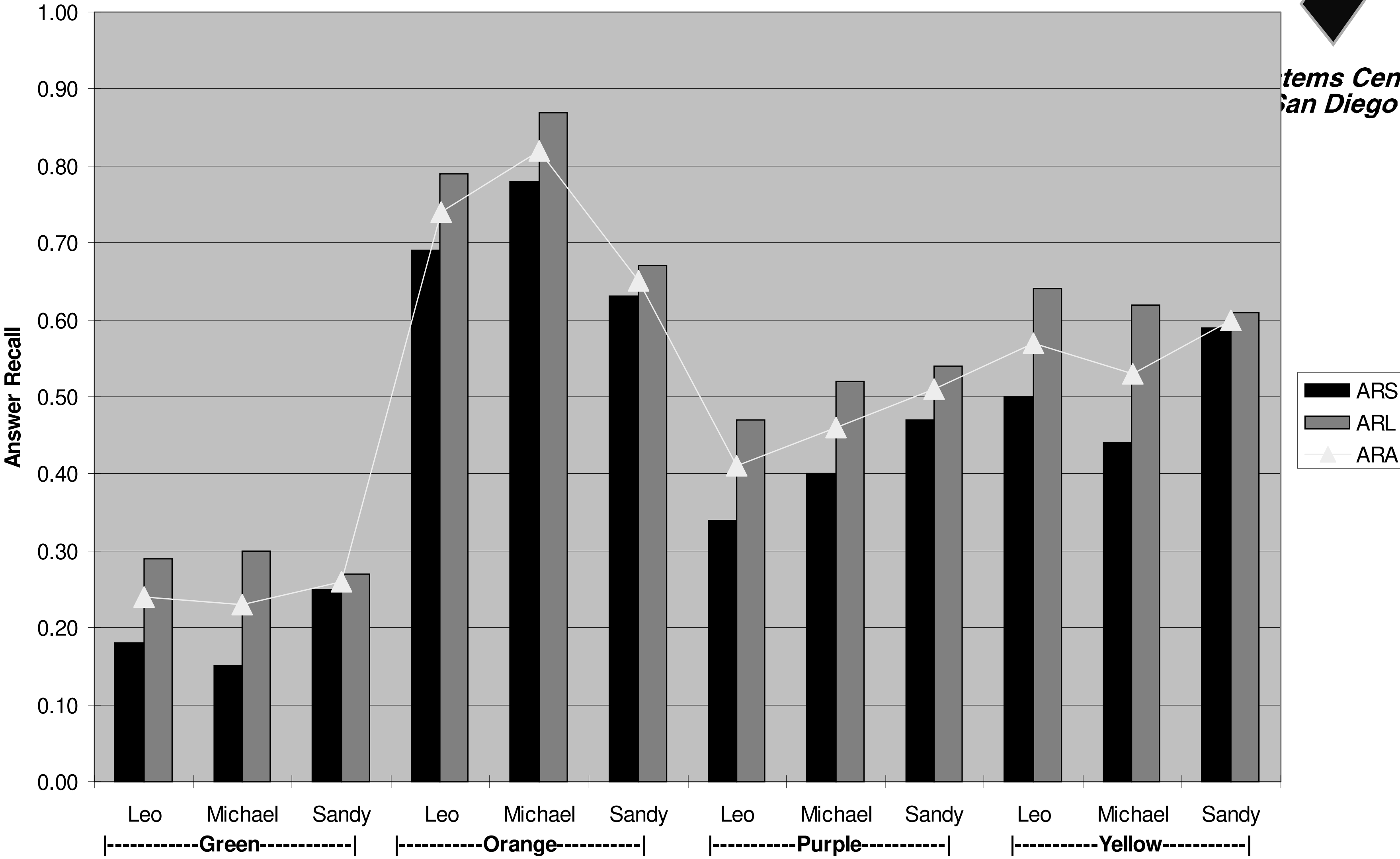
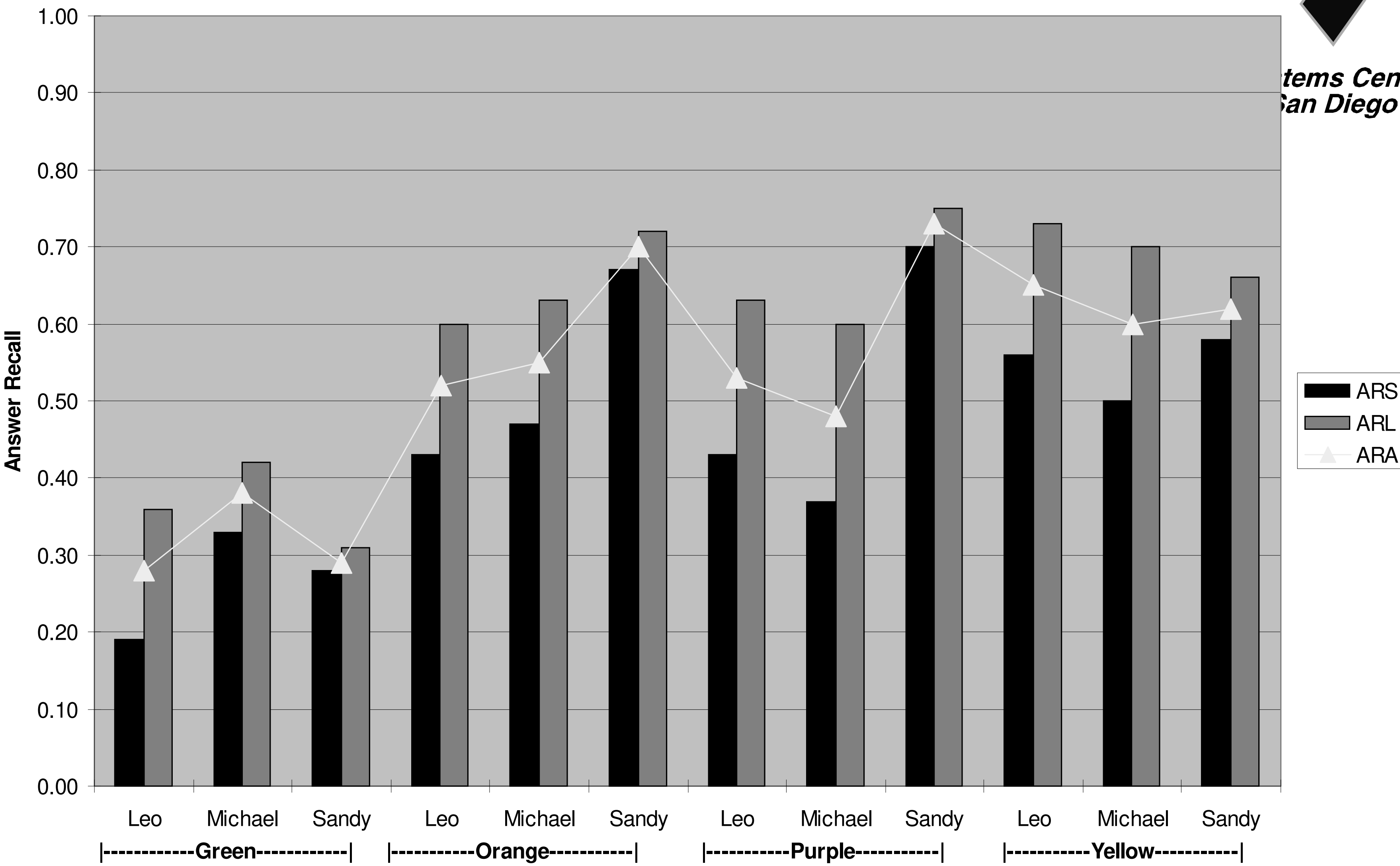
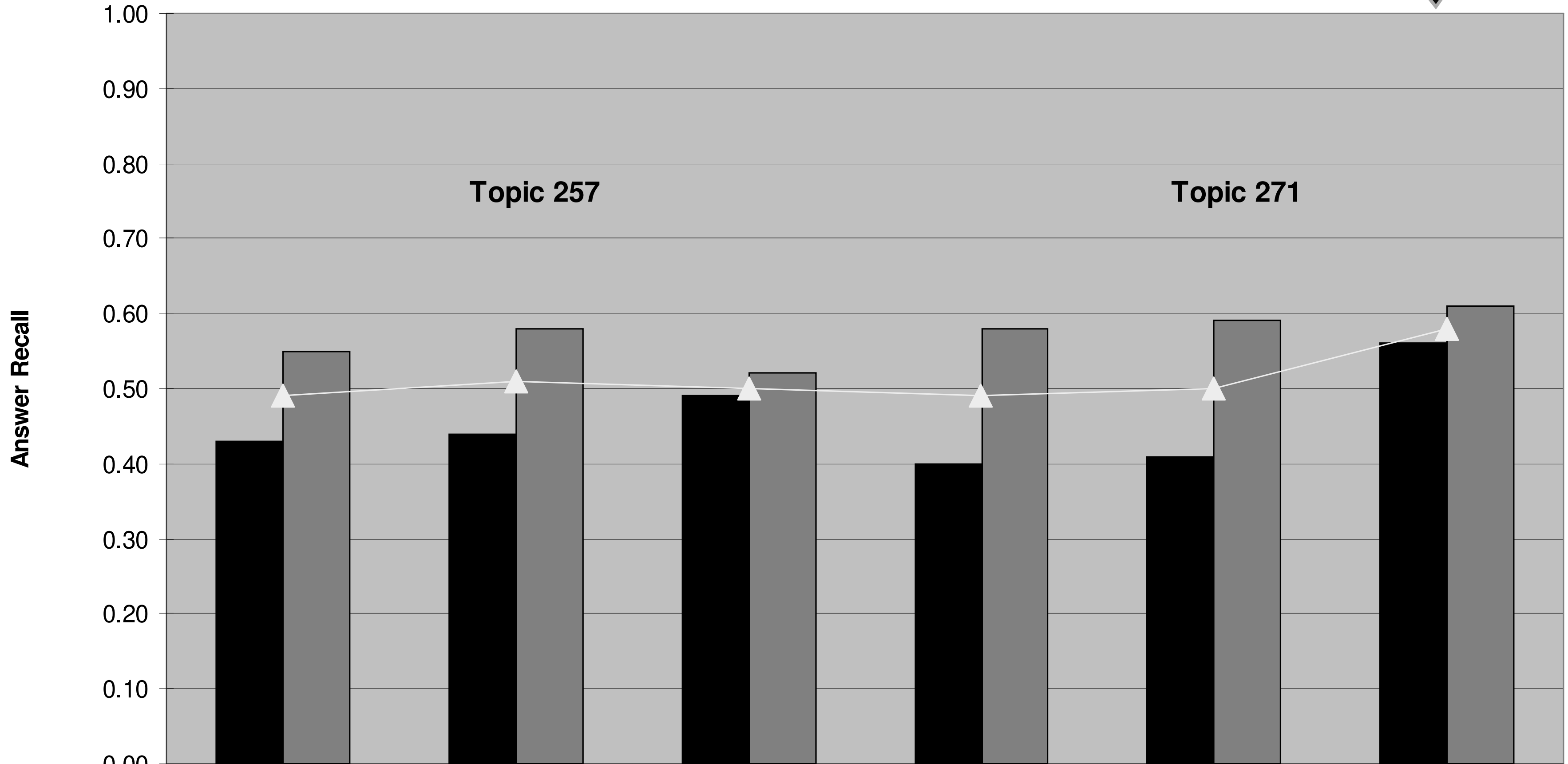
Interassessor Results by Site: Topic 257



Interassessor Results by Site: Topic 271



Interassessor Results: Summary by Topic



	Leo	Michael	Sandy	Leo	Michael	Sandy
ARS	**0.43**	**0.44**	**0.49**	**0.40**	**0.41**	**0.56**
ARL	**0.55**	**0.58**	**0.52**	**0.58**	**0.59**	**0.61**
ARA	**0.49**	**0.51**	**0.5**	**0.49**	**0.5**	**0.58**

Cross-Topic Differences in Document Characteristics

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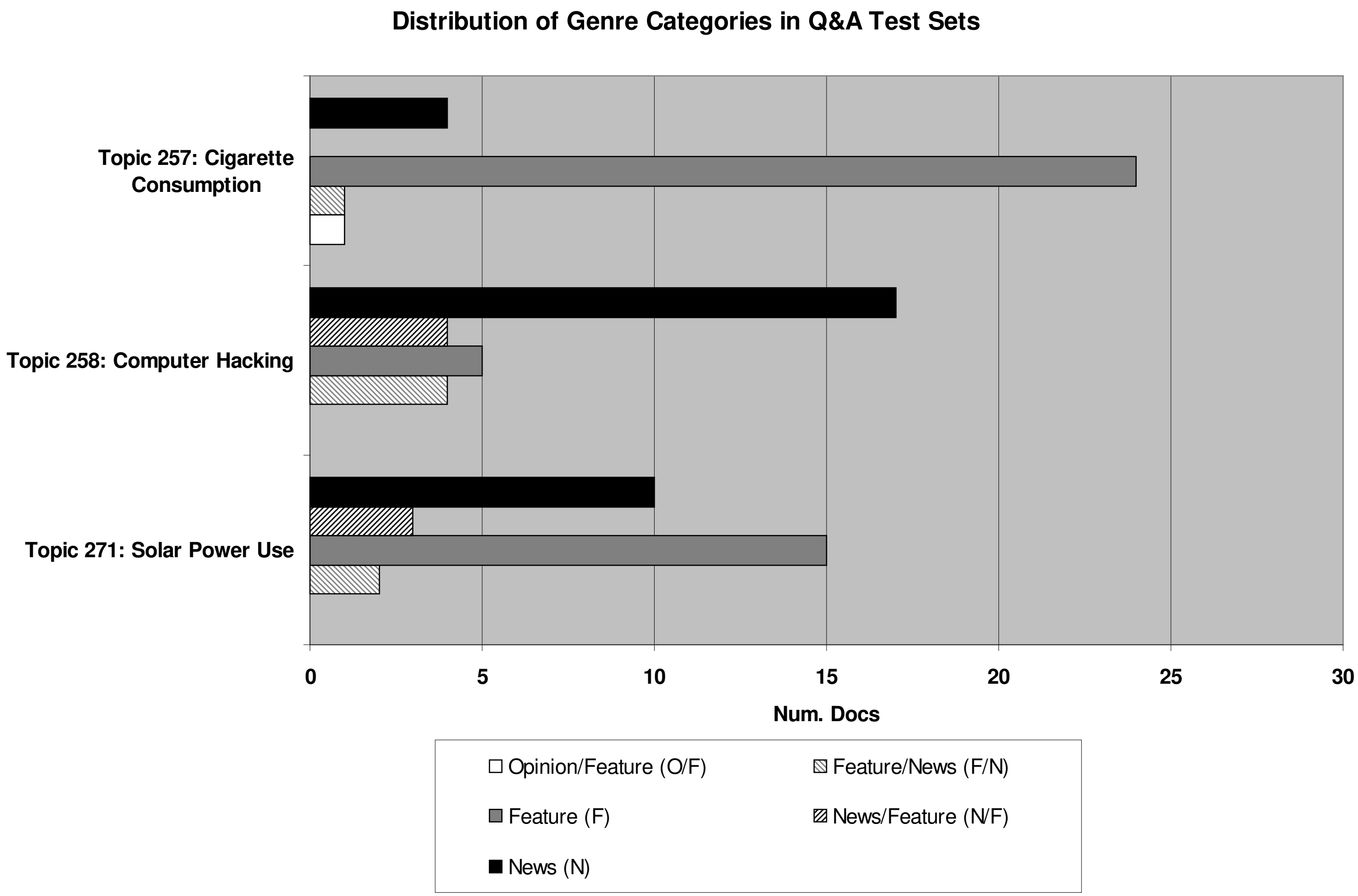

Cross-Topic Differences in Document Characteristics (Cont'd)

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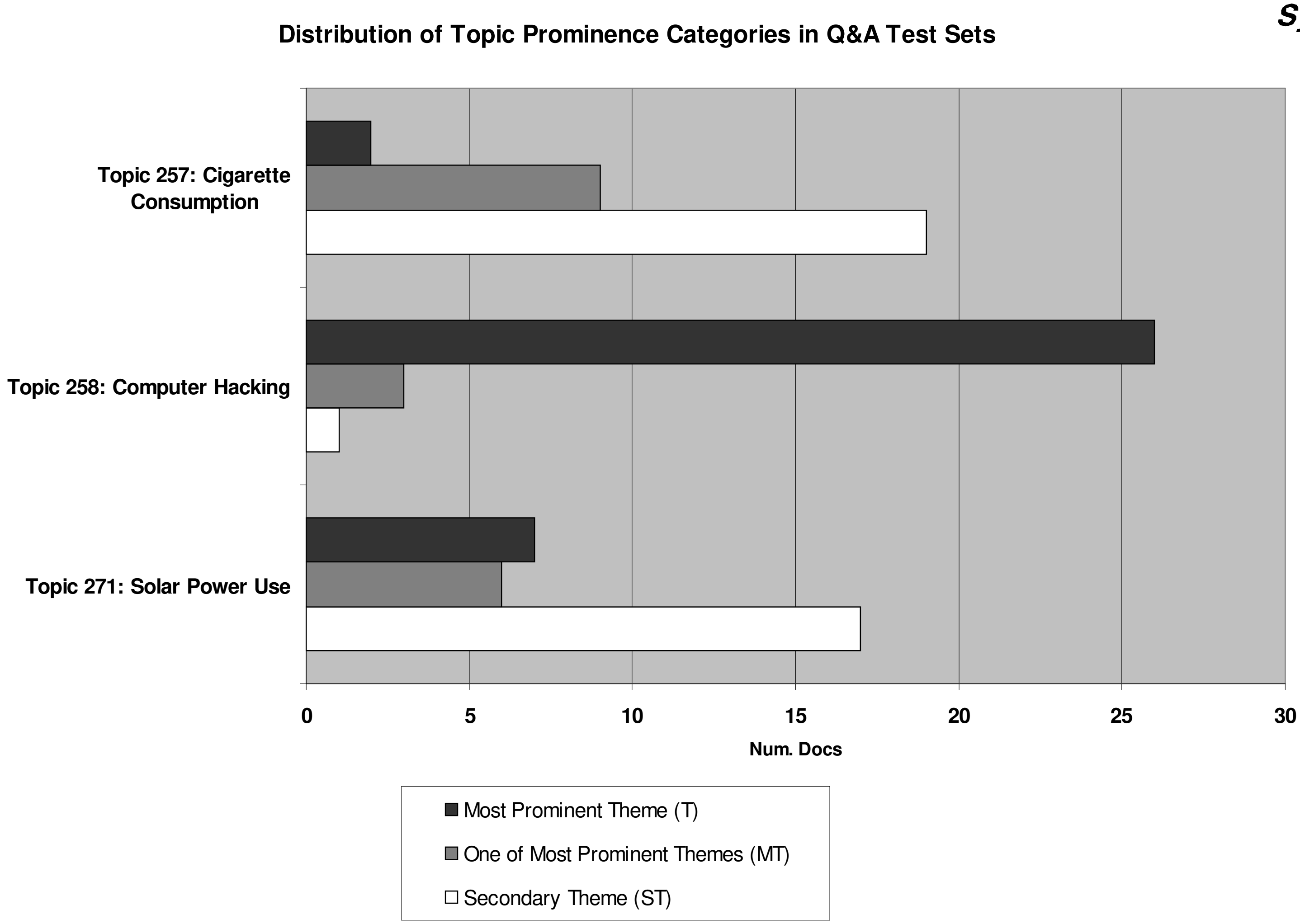
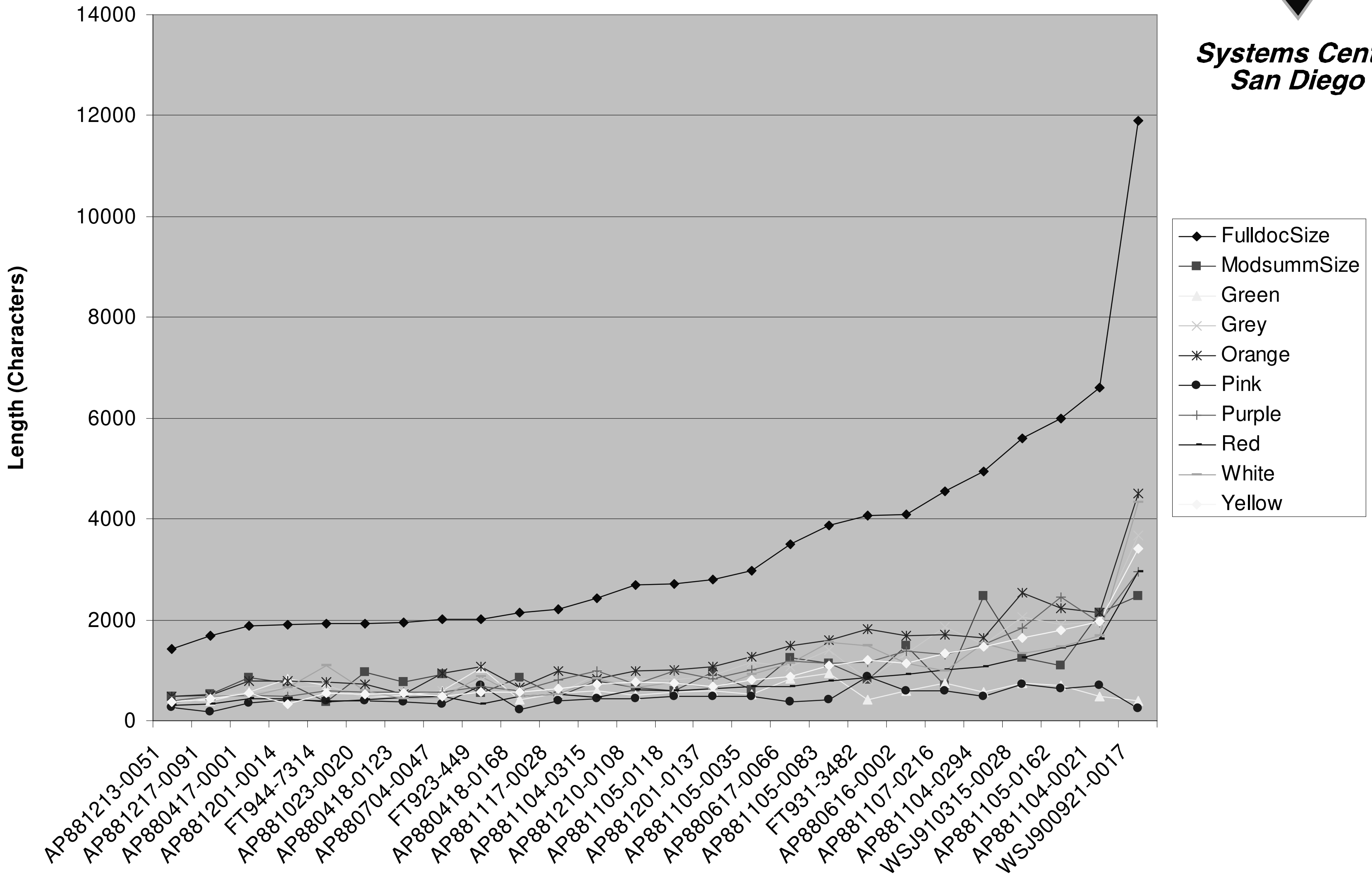


Length of Summaries in Relation to Full Docs for "Most Prominent Theme" (T) Category: Topic 258



Length of Summaries in Relation to Full Docs for "Secondary Theme" (ST) Topic Prominence Category: Topic 257

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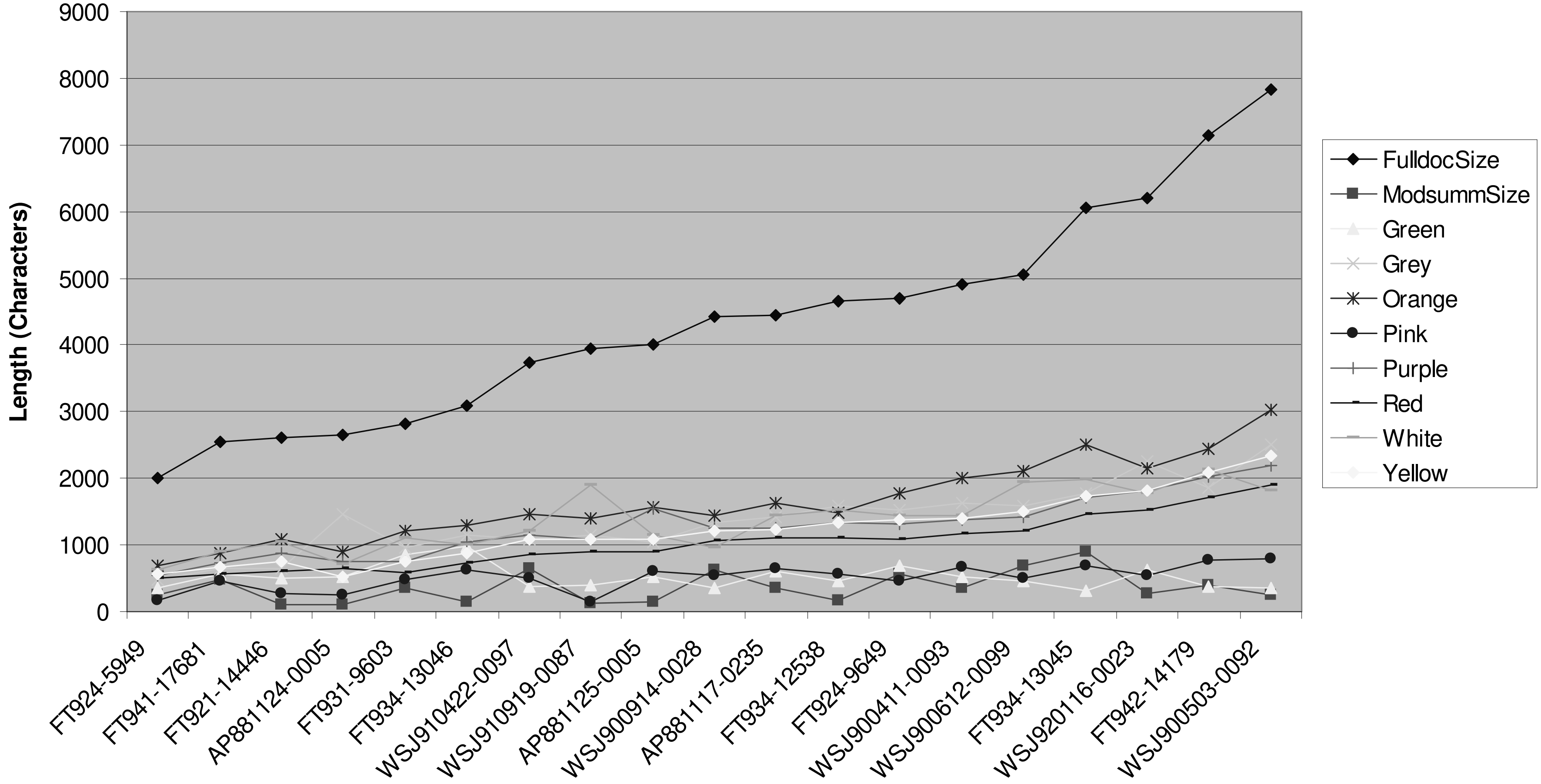

Recall vs Compression for All Docs in "T" Topic Prominence Category

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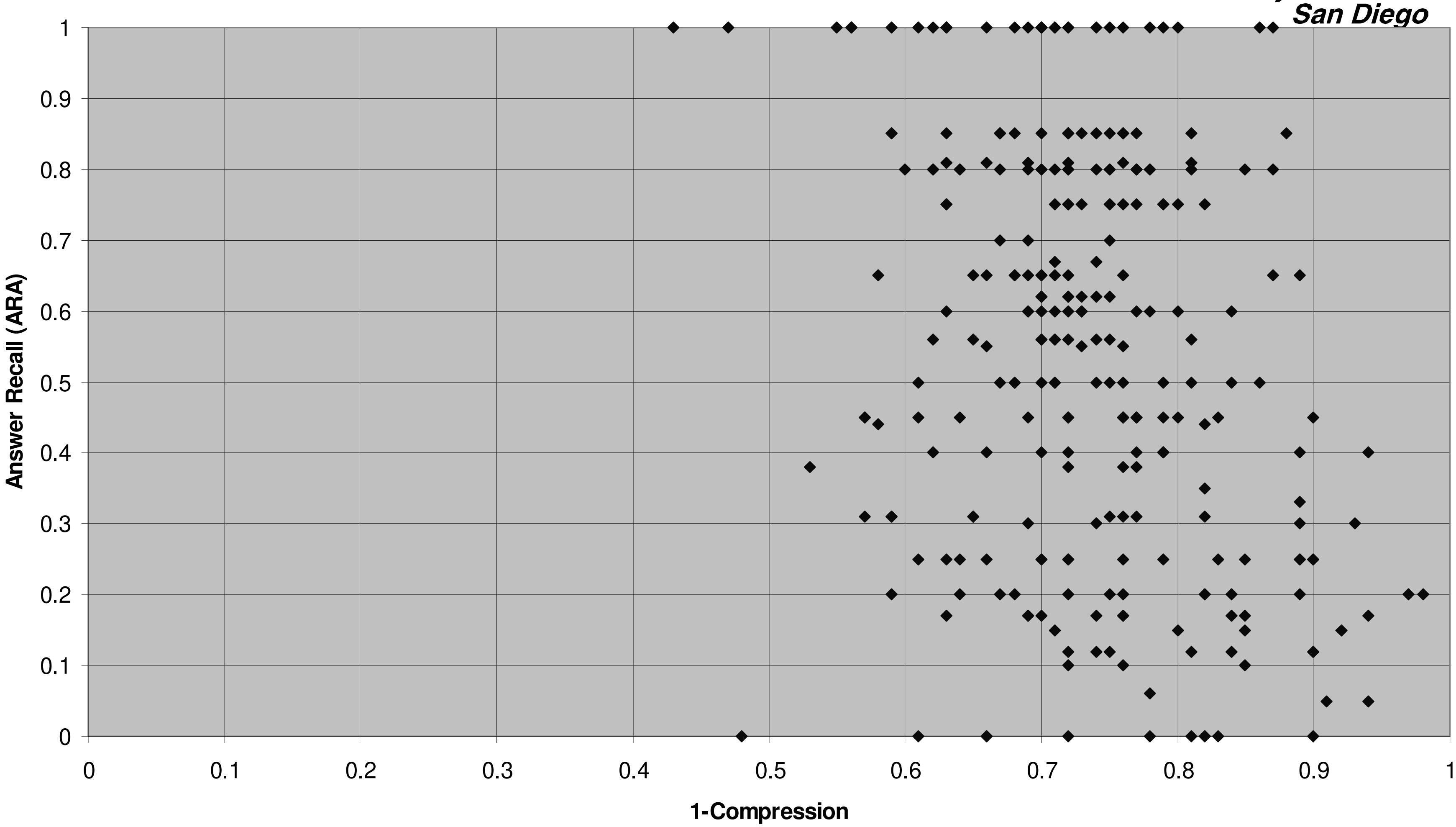
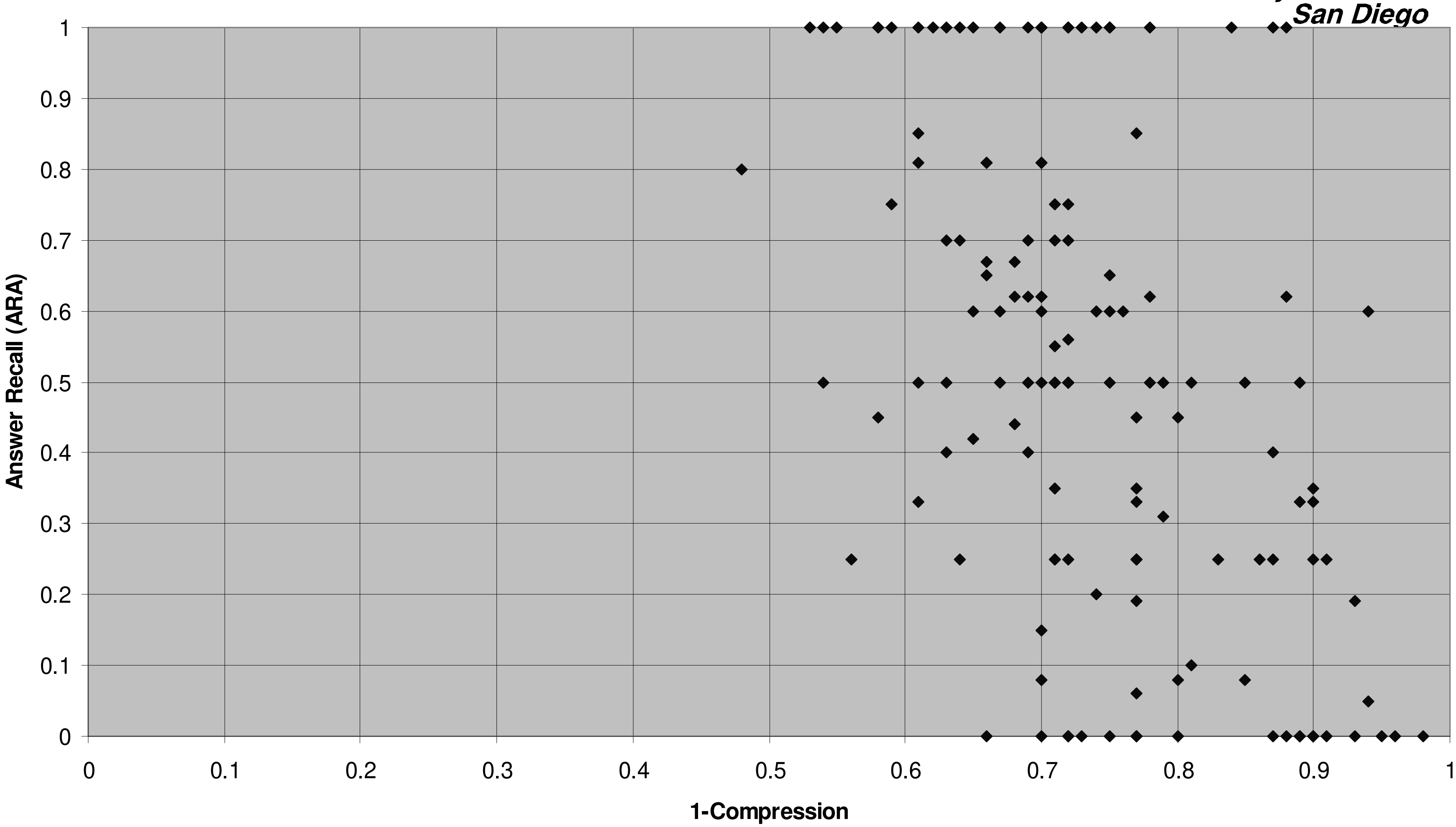
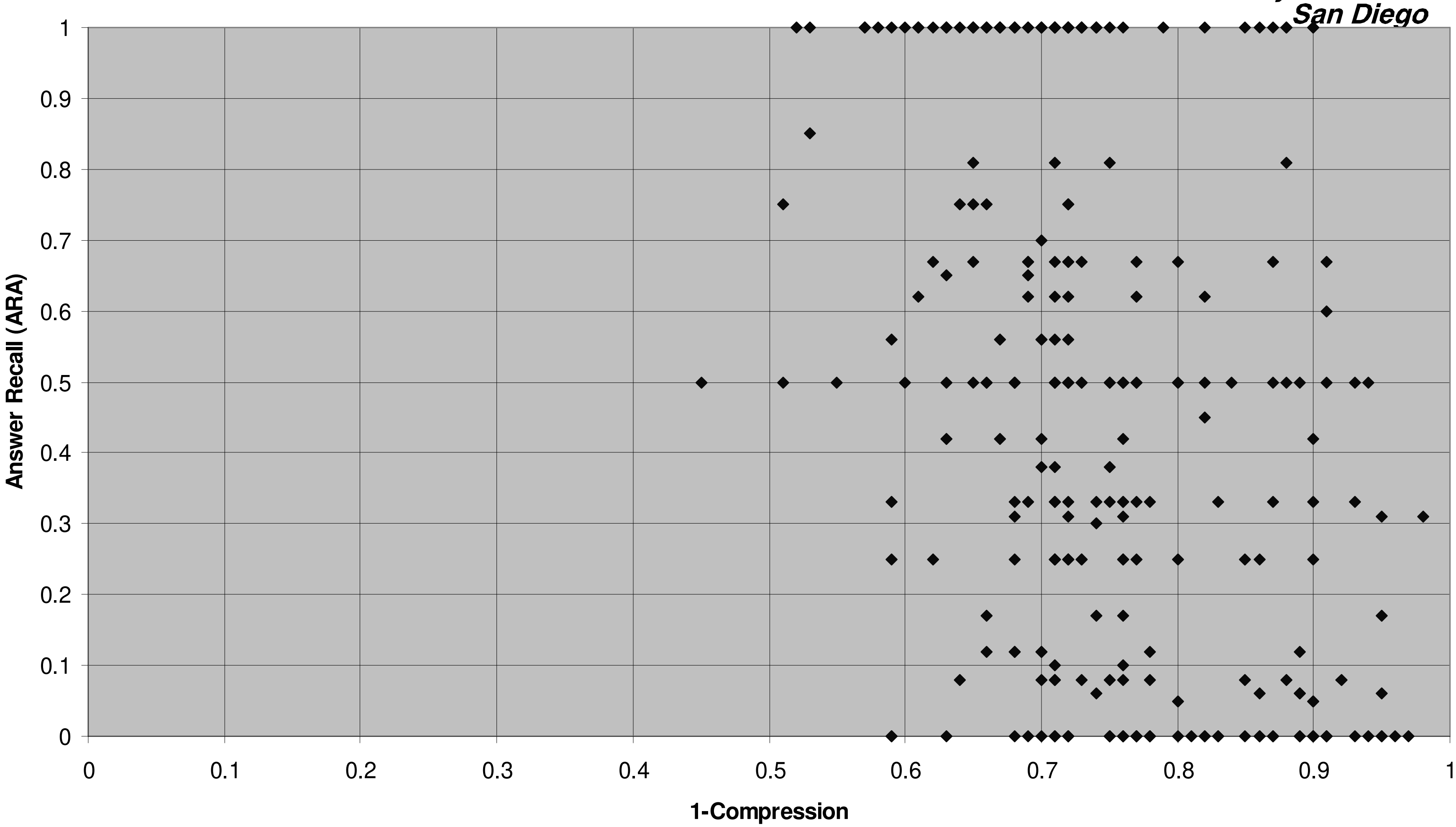


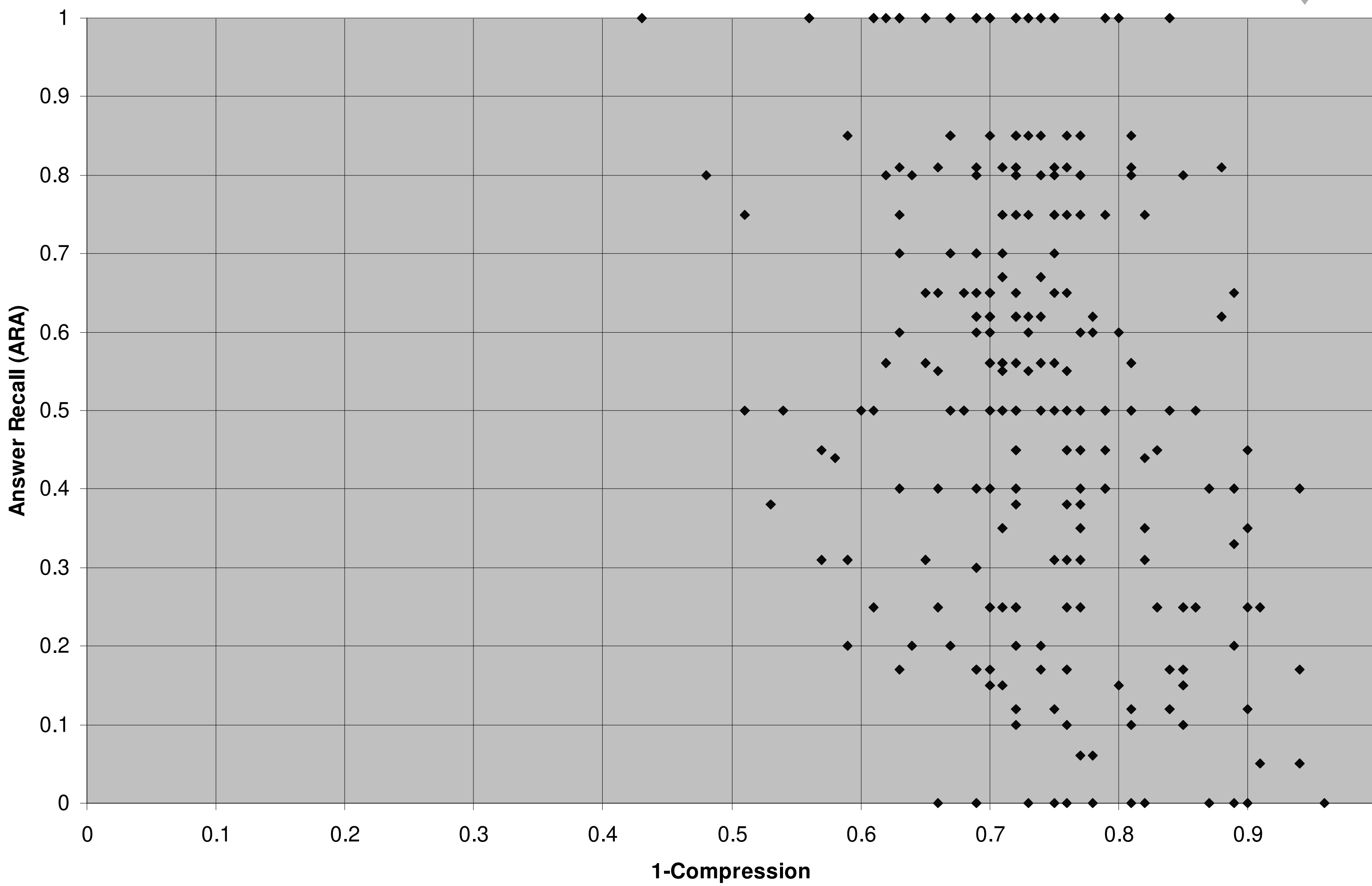
Recall vs Compression for All Docs in "MT" Topic Prominence Category



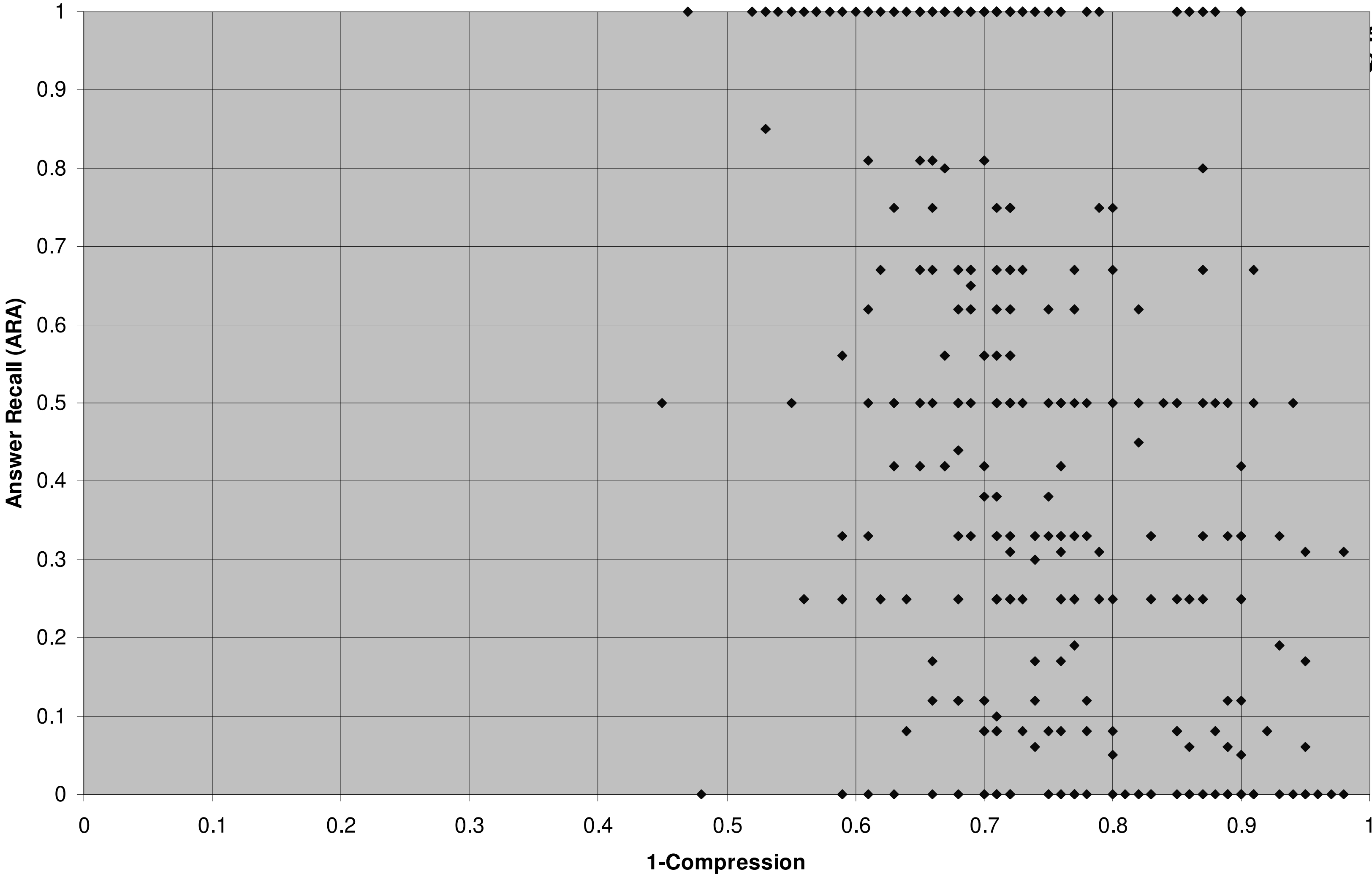
Recall vs Compression for All Docs in "ST" Topic Prominence Category



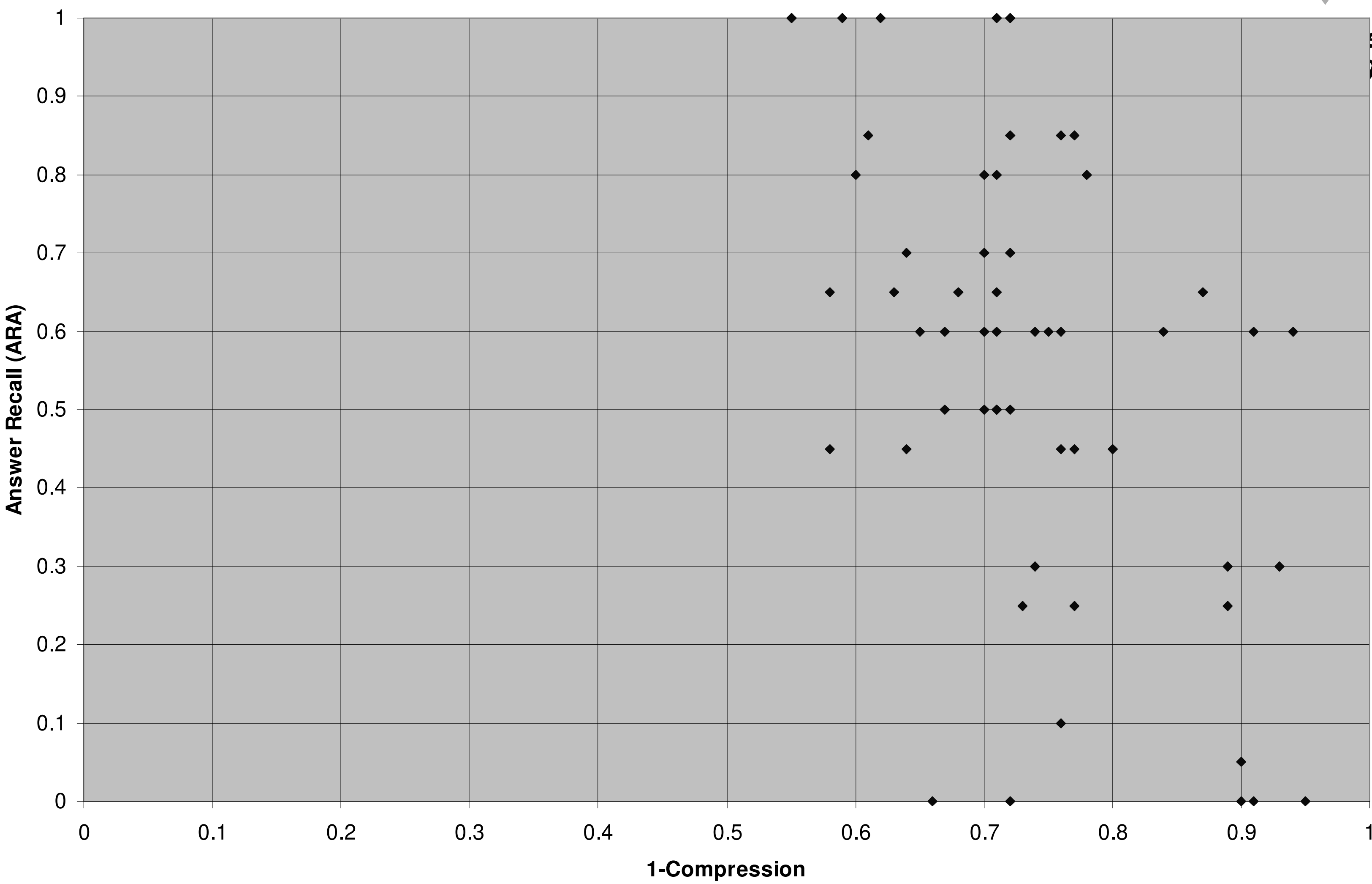
Recall vs Compression for All Docs in "N" (News) Genre Category



Recall vs Compression for All Docs in "F" (Feature) Genre Category



Recall vs Compression for All Docs in "NF" (News/Feature) Genre Category



System Performance on Sample Document: Topic 258, Doc AP881209-0184

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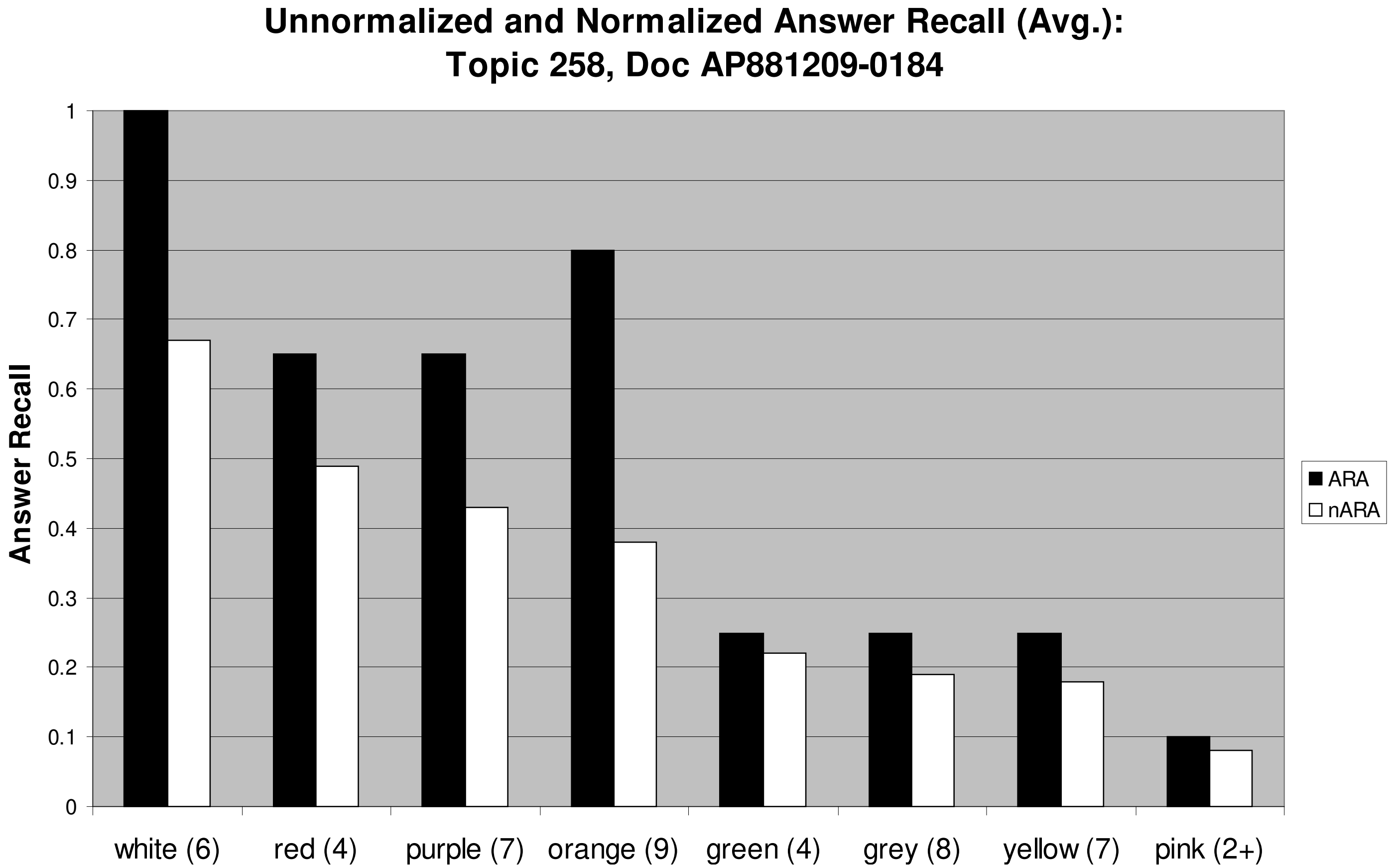
Group performance in terms of scoring decisions made (total n per question = 8)

Score Cat	*Q1:Who*	*Q2:How*	*Q3ToWhom*	*Q4:What*	*Q5:When*
Missing	0	4	4	7	0
Partial	1	0	0	0	6
Correct	7	4	4	1	2

Performance on Sample Doc (Cont'd)



Note: Num in paren's is num *sentences* in summary.

Performance on Sample Doc (Cont'd)

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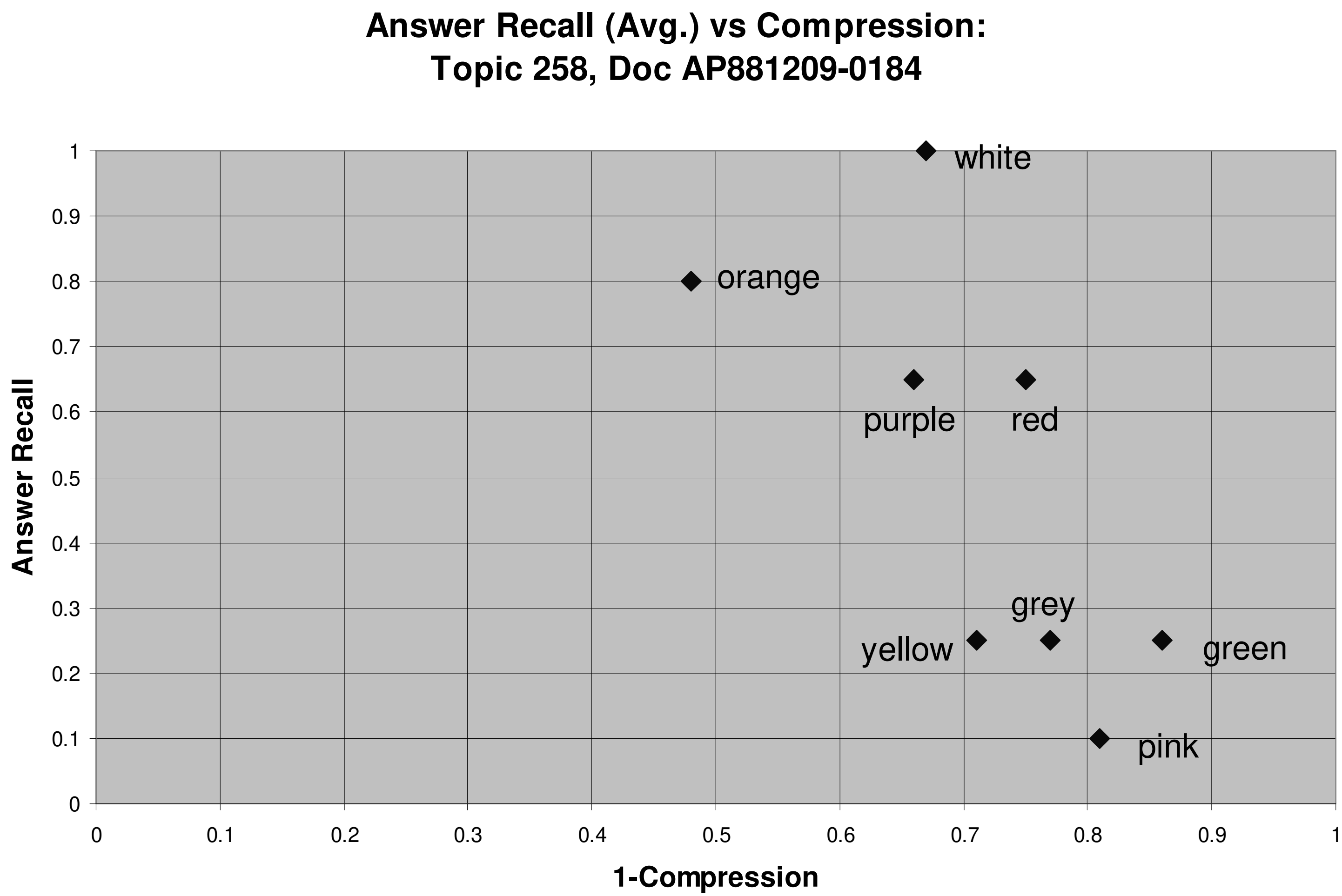

What Next?
(Your Preferences, Please)

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- To improve corpus from current eval: Revise keys and model summaries, review scoring
- To enable testing by developers: Sentence-alignment and coarse-grained scoring software
- To support basic R&D: Different types of model summaries (news, biographical, opinion, background, …)
- To support cross-doc summarization R&D: Create cross-doc annotations (e.g., for Robert Morris computer virus incident)