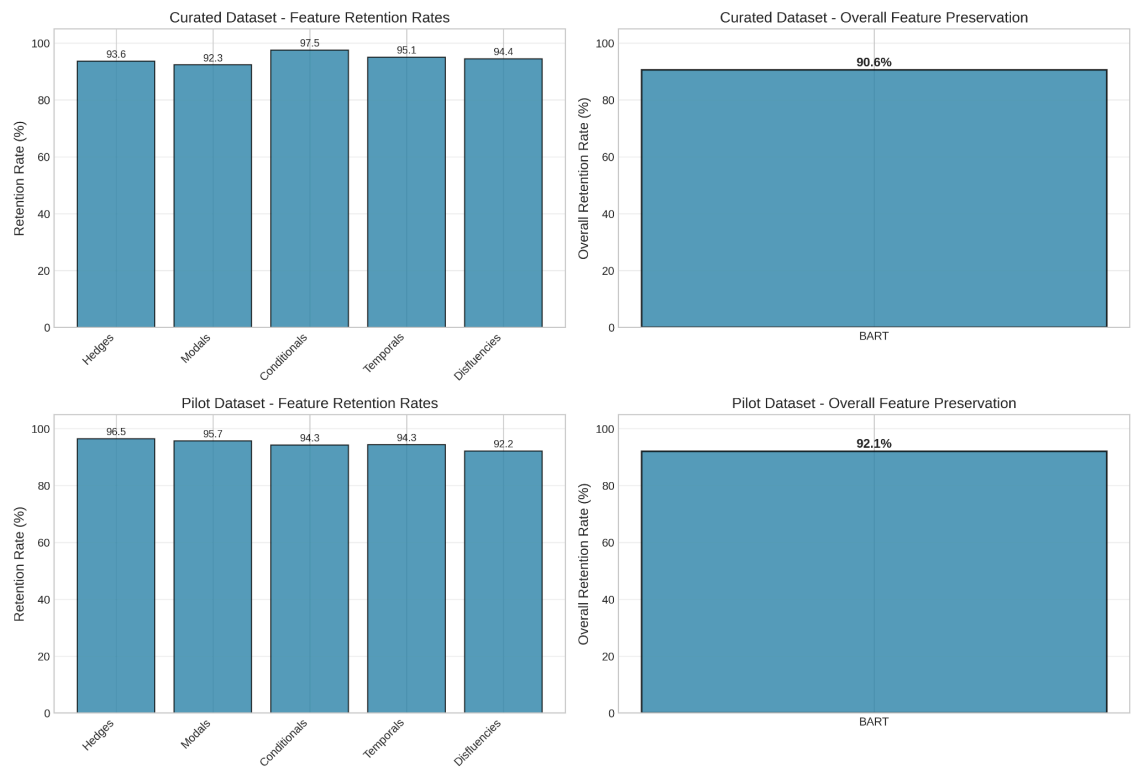
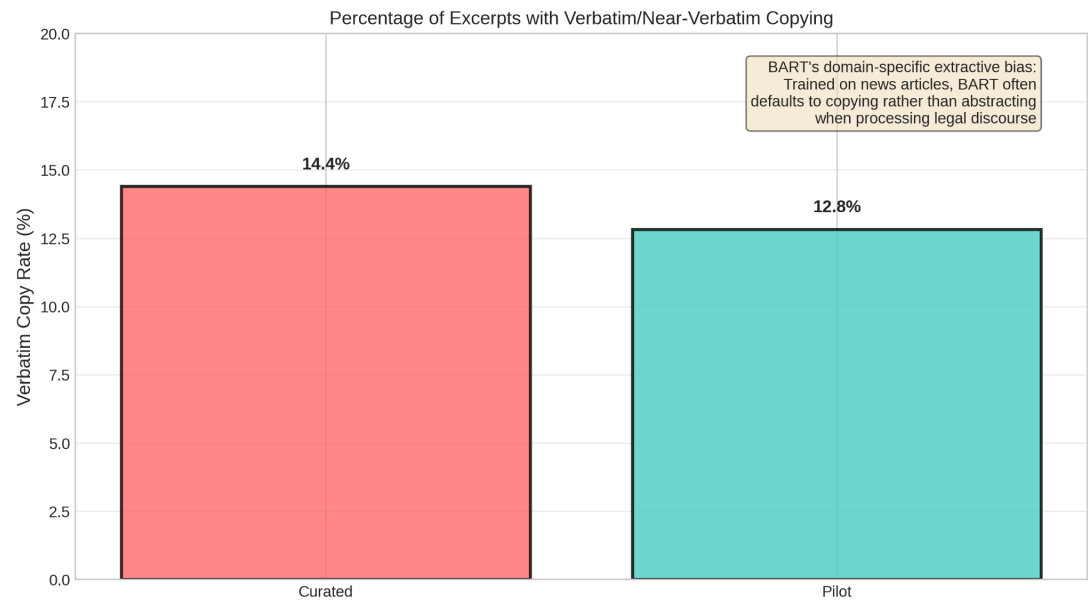


BART

Linguistic Feature Preservation in BART Abstractive Summarization

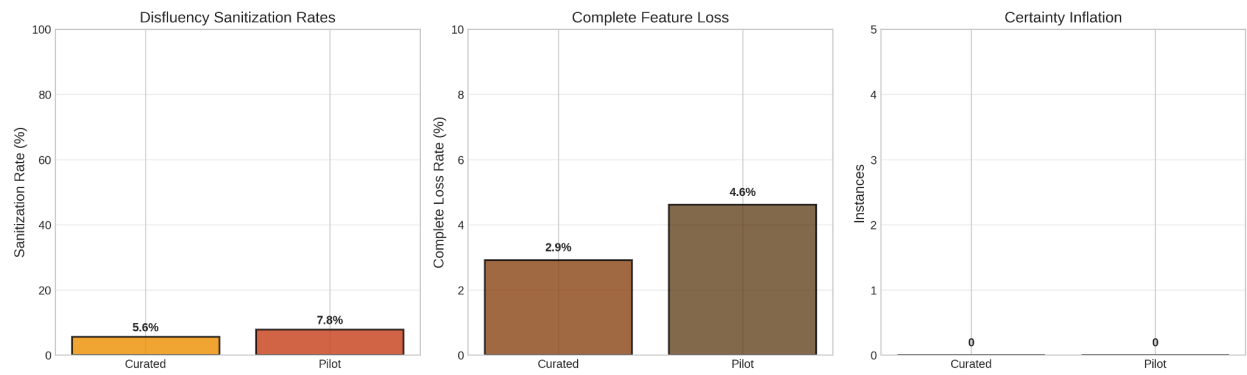


BART Extractive Behavior: Verbatim Copy Rates

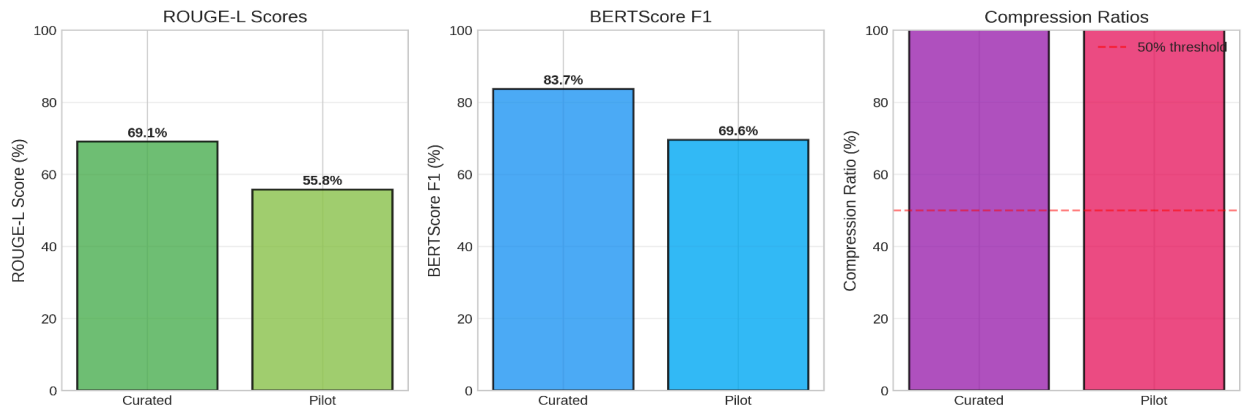


BART

Computational Prescriptivism Indicators in BART



BART Summarization Quality Metrics



```

 CALCULATING QUALITY METRICS FOR CURATED DATASET...
-----
 Curated BART:
ROUGE-L: 69.1% (±24.8%)
Calculating BERTScore... (this may take a moment)
pytorch_model.bin: 100%  557M/557M [00:16<00:00, 47.3MB/s]
BERTScore F1: 83.7% (±12.0%)

 CALCULATING QUALITY METRICS FOR PILOT DATASET...
-----

 Pilot BART:
ROUGE-L: 55.8% (±28.1%)
Calculating BERTScore... (this may take a moment)
BERTScore F1: 69.6% (±17.0%)

```

```

> saved: bart_extractive_behavior.png

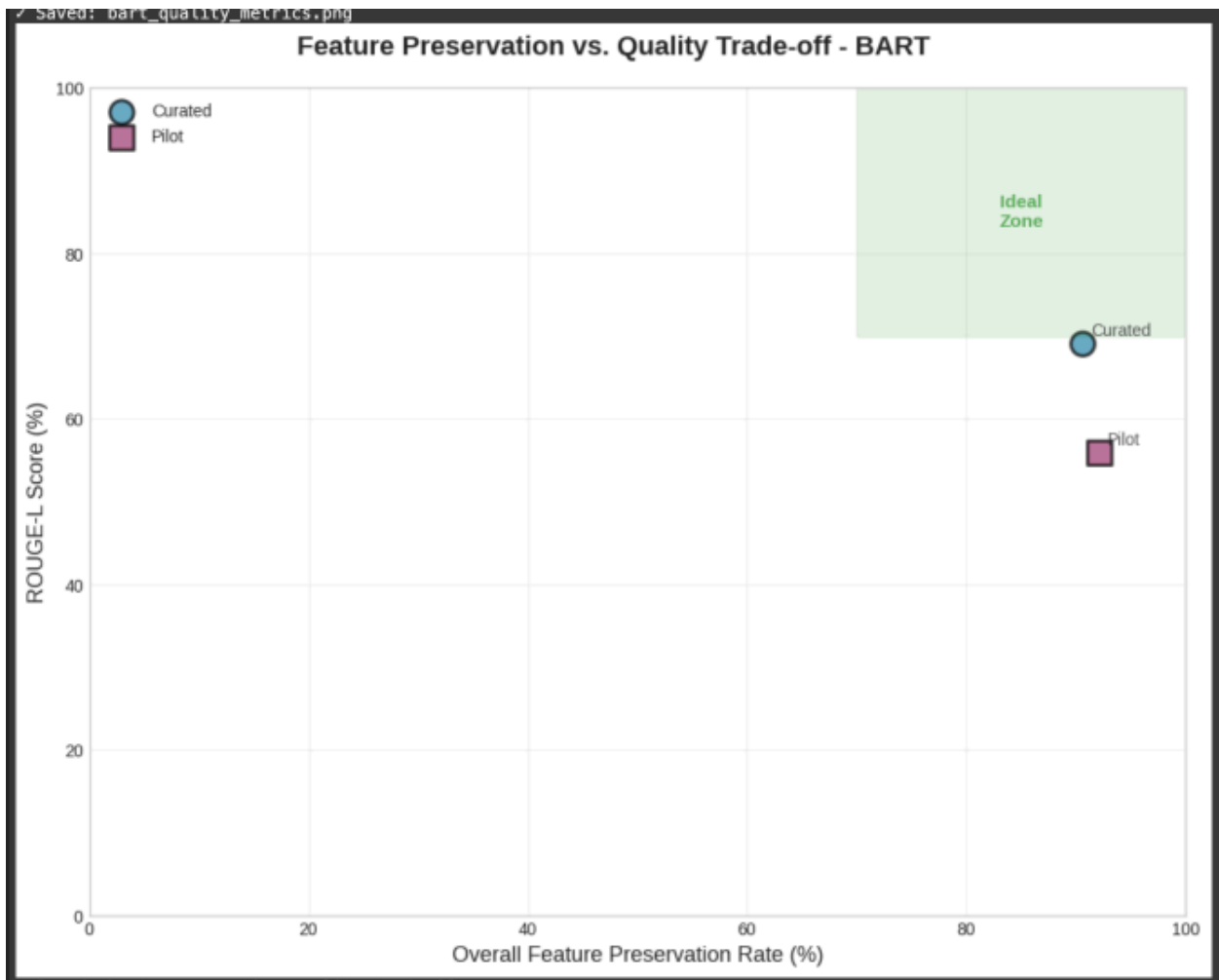
=====
 All Section 3.4 metrics calculated!
 All visualizations created with exact same format!
=====

Key BART Findings:
• High feature preservation: 91.3%
• Low complete loss: 3.8%
• Minimal certainty inflation: 0 total instances
• Extractive tendency: 13.6% verbatim copying


BART shows domain-specific extractive bias - preserving features through copying rather than abstraction

```


BART



```

 CALCULATING METRICS FOR CURATED DATASET...
=====

Curated BART:
Feature Retention Rates:
  hedges: 93.6%
  modals: 92.3%
  conditionals: 97.5%
  temporals: 95.1%
  disfluencies: 94.4%
  overall: 90.6%
Certainty Inflation: 0 instances
Disfluency Sanitization Rate: 5.6%
Complete Feature Loss: 2.9%
Compression Ratio: 227.7%
Verbatim Copy Rate: 14.4%

 CALCULATING METRICS FOR PILOT DATASET...
=====

Pilot BART:
Feature Retention Rates:
  hedges: 96.5%
  modals: 95.7%
  conditionals: 94.3%
  temporals: 94.3%
  disfluencies: 92.2%
  overall: 92.1%
Certainty Inflation: 0 instances
Disfluency Sanitization Rate: 7.8%
Complete Feature Loss: 4.6%
Compression Ratio: 371.0%
Verbatim Copy Rate: 12.8%

=====

```