Aggregation of context and instance evidence over multiple texts increases answer coverage and user comprehension.

**How many songs did John Lennon write for the Beatles?**

- type: song
- composed by: John Lennon
- performed by: The Beatles

Instances counted have certain desired properties.

Incomplete instances, inadequate semantic qualifiers → wrong KB aggregates.

Counts are scattered over search engine result snippets.

**CoQEx System**

**Main Components**
- Infers a representative count
- Interprets the count context
- Explains through instances

from the numeric distribution over snippets
by ordering contexts into a semantic hierarchy
by ranking instances from the snippets

- .. are approximately 180 jointly credited songs..
- .. 73 songs to be exact.. including Imagine, Revolution..
- .. Lennon sang 10 No. 1 Beatles songs.. Imagine was also recorded

**Advantages of CoQEx**
- Aggregates over multiple text snippets
- Contexts as Synonyms or Subgroups
- Identifies instances counted in the query

**Weighted distribution of counts**

- .. 10 (0.6)
- 73 (0.9)
- 160 (0.5)
- 180 (0.6) ..

**System Answers**

- Ranked Instances
  - Imagine (0.7), Help! (0.5), Revolution (0.3)

**User Comprehension**

- Correct 28
- Incorrect 85
- Both 55
- System Answers 71

**Results**

**Instances Ranking**

**Count Inference**

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