

????????????

query LLM +

- unit / / unit LLM
- LLM " LLM" / \$

??????

LLM query unit +

query unit

LLM family / / LLM

LLM " " LLM

??????

LLM unit +

1. LLM ??

unit +

1. ???????

query [] LLM [] [] \$ [] [] 1-3 [] query []
+ []

[] unit [] -- [] [] [] {X} [] (X) []

2. ?????

[] query [] top-k [] → [] []

- []
- [] query [] family []

3. ??????? LLM?

[] query [] -- [] LLM []

3.1 ?????

[] query [] "X [] " [] "Y" []

- [] subject_mentions [] unit []
- [] context_mentions [] / [] unit []
- [] [] []
- [] [] [] []
- [] [] [] unit []
- [] narrowed_by [] node [] node [] node []

3.2 ?????

[] query [] / [] " [] "

[] [] [] cue

[]

[]	[]	[]
[] Eo	[] []	1.0

Symbol	Definition	Value
$\tau(\text{edge_type})$	"family" family	$\tau(\text{family}) \approx 0.9 / \tau(\text{family}) \approx 0.7 / \tau(\text{family}) \approx 0.5 / \tau(\text{family}) \approx 0.3 / \tau(\text{family}) \approx 0.2$
ϵ	ϵ	0.05
K		3-5

unit

4. LLM

unit LLM

- query unit
- unit query
- query

unit .1

unit

- query / unit query
- unit query

unit query

5. LLM

LLM "unit" ground truth

LLM

LLM .1 query .4 .5

1. LLM

