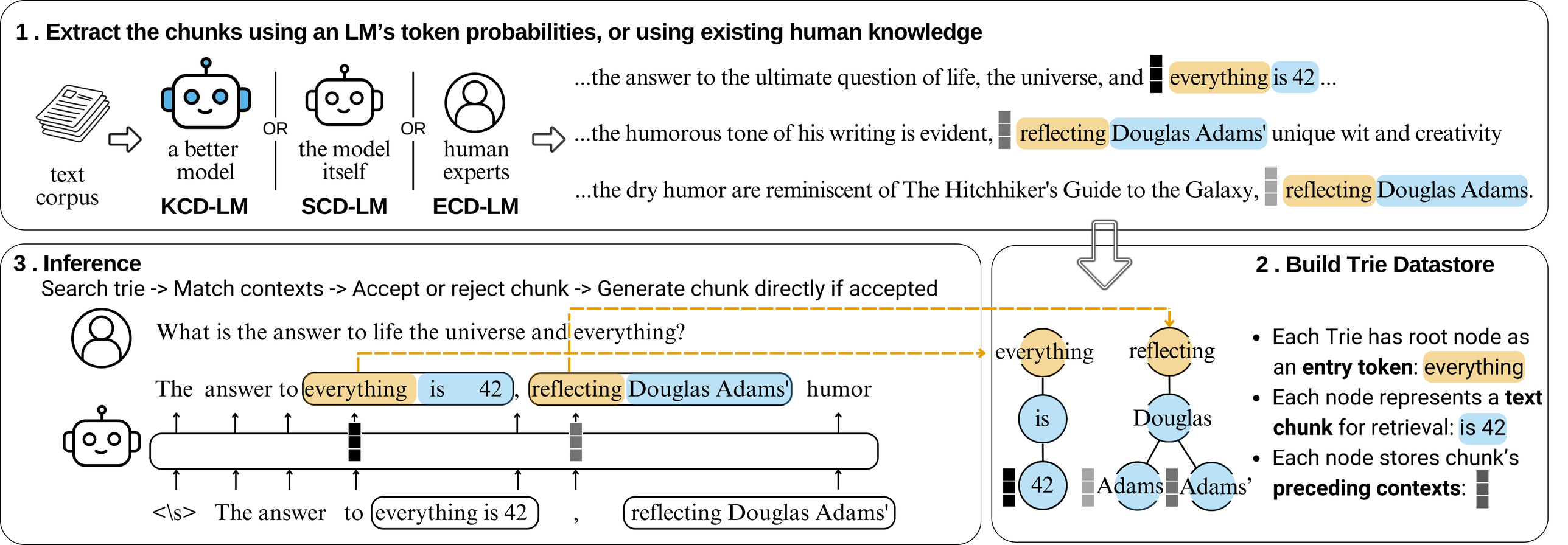
1 . Extract the chunks using an LM's token probabilities, or using existing human knowledge
text corpus
a better model
KCD-LM
OR
the model itself
SCD-LM
OR
human experts
ECD-LM
...the answer to the ultimate question of life, the universe, and everything is 42 ...
...the humorous tone of his writing is evident, reflecting Douglas Adams' unique wit and creativity
...the dry humor are reminiscent of The Hitchhiker's Guide to the Galaxy, reflecting Douglas Adams.
2 . Build Trie Datastore
everything
reflecting
is
Douglas
42
Adams
Adams'
Each Trie has root node as an entry token: everything
Each node represents a text chunk for retrieval: is 42
Each node stores chunk's preceding contexts:
3 . Inference
Search trie -> Match contexts -> Accept or reject chunk -> Generate chunk directly if accepted
What is the answer to life the universe and everything?
The answer to everything is 42 , reflecting Douglas Adams' humor
<\s> The answer to everything is 42 , reflecting Douglas Adams'