Basics of RAG Ben Claire (Answer AI) lib to use COUSERT RAGatoulle ecesily -> lib for nenonkers Regunters → Bi-encoder single vec emb & cosine similarity and all you reed. Metadala Filtering > Important Good RAGI! -> Grow setrieval pipeline -> Good generative model -> Good way to link them up. Overy > Emb > Pooling Docs -> Emb -> Poding Bi-encoder approach why the encocloses Thereadly used to create single vector nepresentations. They precompute doc representations -> Docs & queries are computed separately Not aware of each other -> Efficient but has some downbacks i.e netrieval perf tradeops Rescanking: The bowes of cross encoders > Encode both query & docs cet the same time > Not computationally realistic to compute query awar downent netpresentations for every single document pain The effectively a hinary classifier. the prob of positive class supresents the relevance of cloc to query, & is taken as the similarity -> Remarking: - Use a expensive model to score only a subset of your retrieved documents -> use Reymord scanch -> Embeddlings reposesent in Fo that is exclud to their trains queries -) It'll never be fully representative of your queries 7 To cupture signal, use teymord Scoonch. 7 BM25 is too stowny a baseling -> Powerful when you have domain-specific jurgon. Metadata Filtering I Remove does that are not relevant for query. -> use GILINER to extoruct entities Forom your text & se in filtering