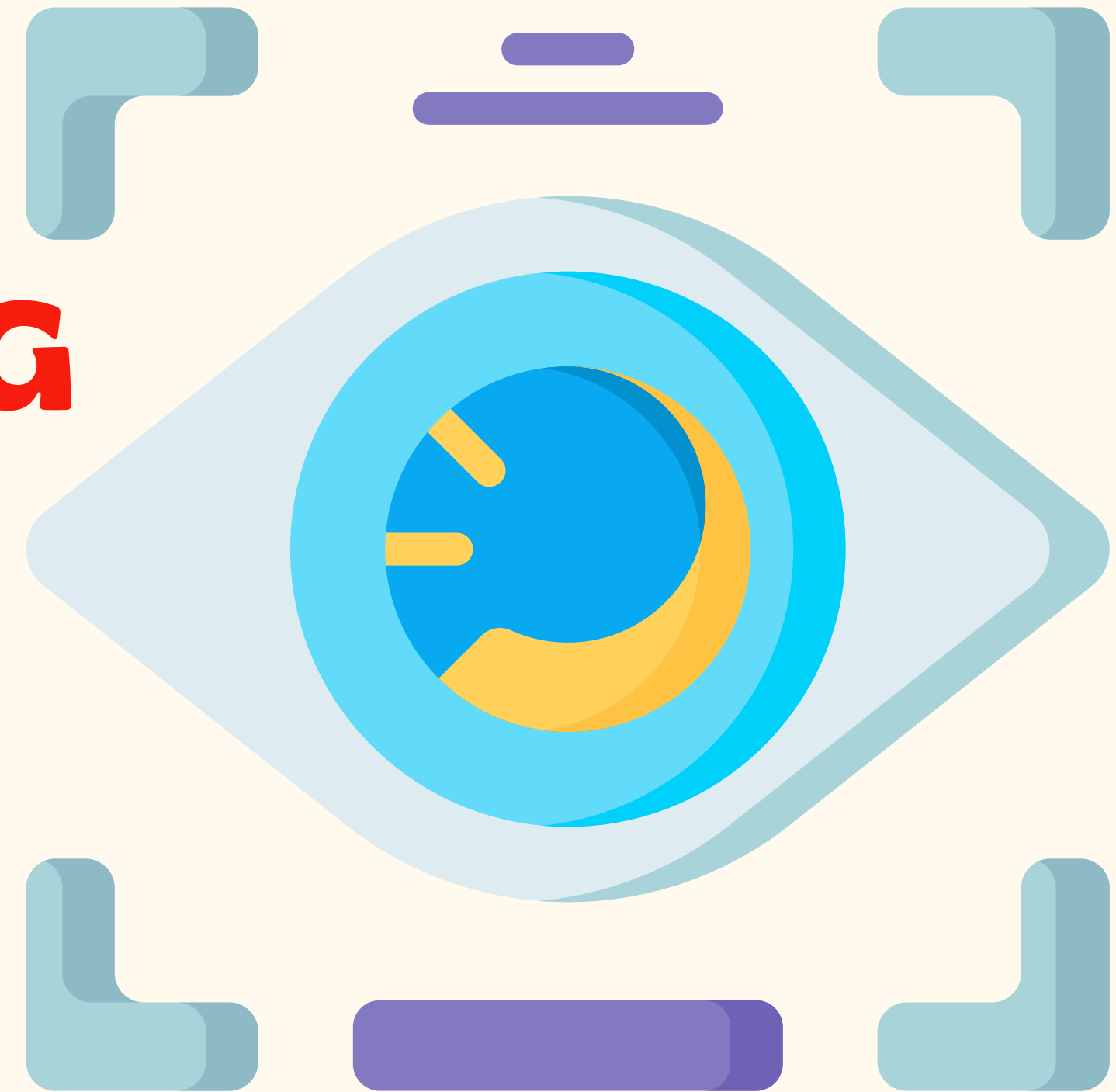
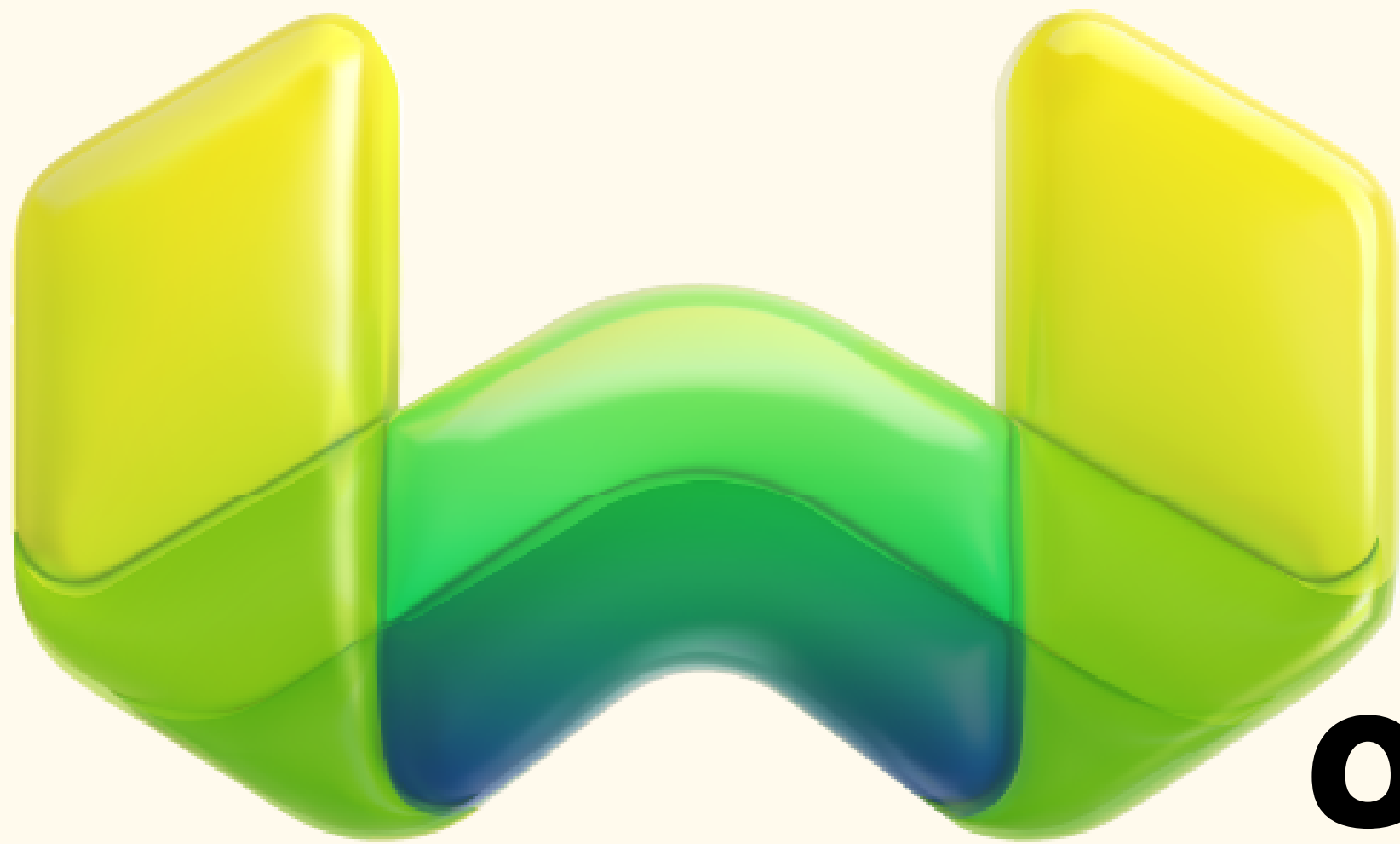


# WEAVIATE EXPLAINED: UNDERSTANDING SCHEMA AND QUERYING



**OPTIMIZE SCHEMA AND  
QUERYING FOR  
IMPROVED RESULTS**

# **CHALLENGE SOLVED : DATA RETRIEVAL**

**1. WEVIATE SCHEMA CREATION IS SIMILAR TO RDBMS TABLE**

**SCHEMA**

**2.LOADING THE DATA IS TAKEN CARE ADD\_DATA\_OBJECT METHOD**

**3.RETRIEVING DATA IS TAKEN CARE BY QUERY.GET() METHOD**

**4.TWO WAYS OF EXTRACTION**

**A.NEAREST BY TEXT**

**B.NEAREST BY VECTORS**

**5.AGGREGATION AND FILTERING IS ALSO POSSIBLE**

# **WORKFLOW IN WEVIATE**

- 1. PULLING THE DOCKER USING DOCKER COMPOSE AND START THE INSTANCE**
- 2. INITIATE THE CLIENT WITH THE HUGGINGFACE CONFIGS**
- 3. CREATE THE SCHEMA WITH THE CHOSEN CLASS, AND VECTORIZER MODULE**
- 4. LOAD THE DATA, WHICH GETS VECTORIZED AND STORED**
- 5. DISCUSS THE RETRIEVAL METHODS IN WEVIATE**

# LETS PRACTICE

- WEVIATE SCHEMA CREATION IS VERY SIMILAR THOSE IN PYSPARK.
- DEFAULT VECTOR TYPE IS HNSW, AND THE ONLY VECTOR TYPE IN WEVIATE
- PRACTICING THE AGGREGATION, FILTERING CONCEPTS CAN HELP IN SAVING TOKEN USAGE IN LLM

## insightbuilder/ python\_de\_learners\_data



Repo contains the code, data and supporting documents including presentations, playbooks and additional documents to support learning



2

Contributors



0

Issues



33

Stars



14

Forks



**python\_de\_learners\_data/dataRetrievalWeviate-discussion.ipynb at main · insightbuilder/python\_de\_learners\_data**

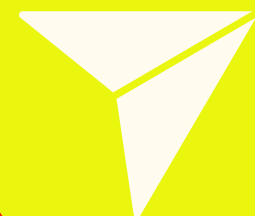
Repo contains the code, data and supporting documents including presentations, playbooks and additional documents to support learning - python\_de\_learners\_data/dataRetrievalWeviate-discussion.ipynb...

 GitHub

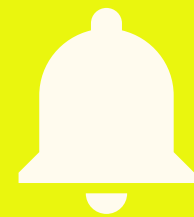
# THANKS FOR WATCHING



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