



## Vectorize

- ❑ default\_model: str
  - ❑ whisper\_model: Whisper
  - ❑ embedder: SentenceTransformer
  - ❑ faiss\_index: IndexIDMap
  - ❑ outputdb: List
  - ❑ chunks: List
  - ❑ use\_compression: bool
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- \_\_init\_\_(default\_model)
  - check\_ollama\_models()
  - detect\_input\_type(file): str
  - vectorize(file, kwargs)
  - extract\_text(file, type): str
  - extract\_text\_from\_image(file): str
  - extract\_text\_from\_audio(file): str
  - extract\_text\_from\_video(file): str
  - build\_compression\_prompt(text): str
  - ask\_llm(prompt, model): str
  - vectorize\_text(text): np.ndarray
  - retrieve\_context(query, top\_k): str
  - query\_with\_context(question, model, top\_k): str
  - save\_database(path, format)
  - load\_database(path, format)