

execute ./download

Parse command line arguments

args

load yaml file if necessary

category_titles

For each category:

1. query category

wiki_module.query_category

2. write to db

database_module.insert_category

3. add page to list of page ids

dict

page_ids

FAIL

For each page:

1. query page

wiki_module.query_page

2. encode page

encoding_module.encode_page

3. write to db

database_module.insert_page

dict
html
text
id
summary

dict
id:vector

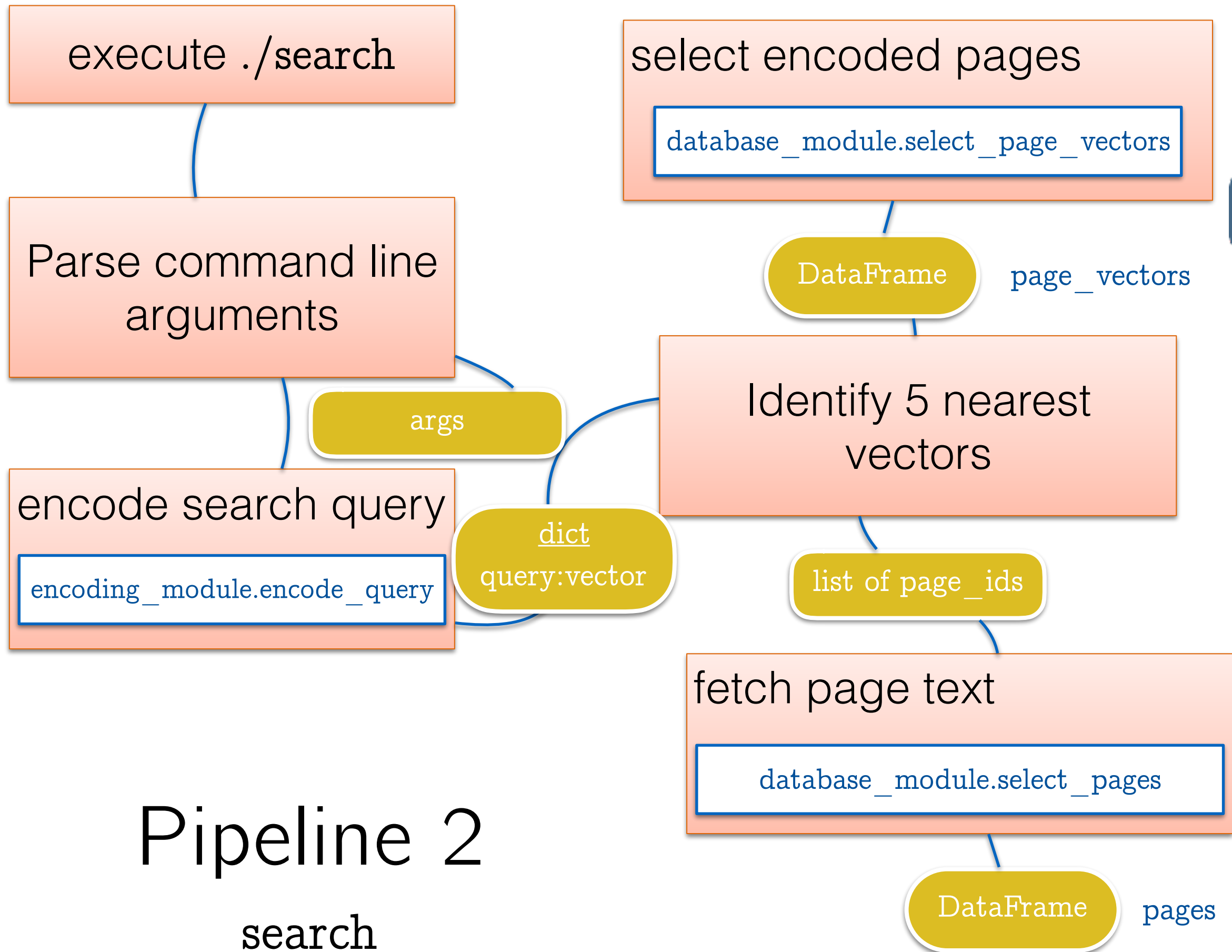
FAIL

Pipeline 1

download

minimum viable implementation





Pipeline 2

search

minimum viable implementation



execute ./train

select encoded pages

```
database_module.select_page_vectors
```

select corresponding categories

```
database_module.select_category_ids
```

X

(page_vectors)

page_ids

y

(category_ids)

Make data dictionary

dict of DataFrames

Fit, Score, Tune Model

trained_model

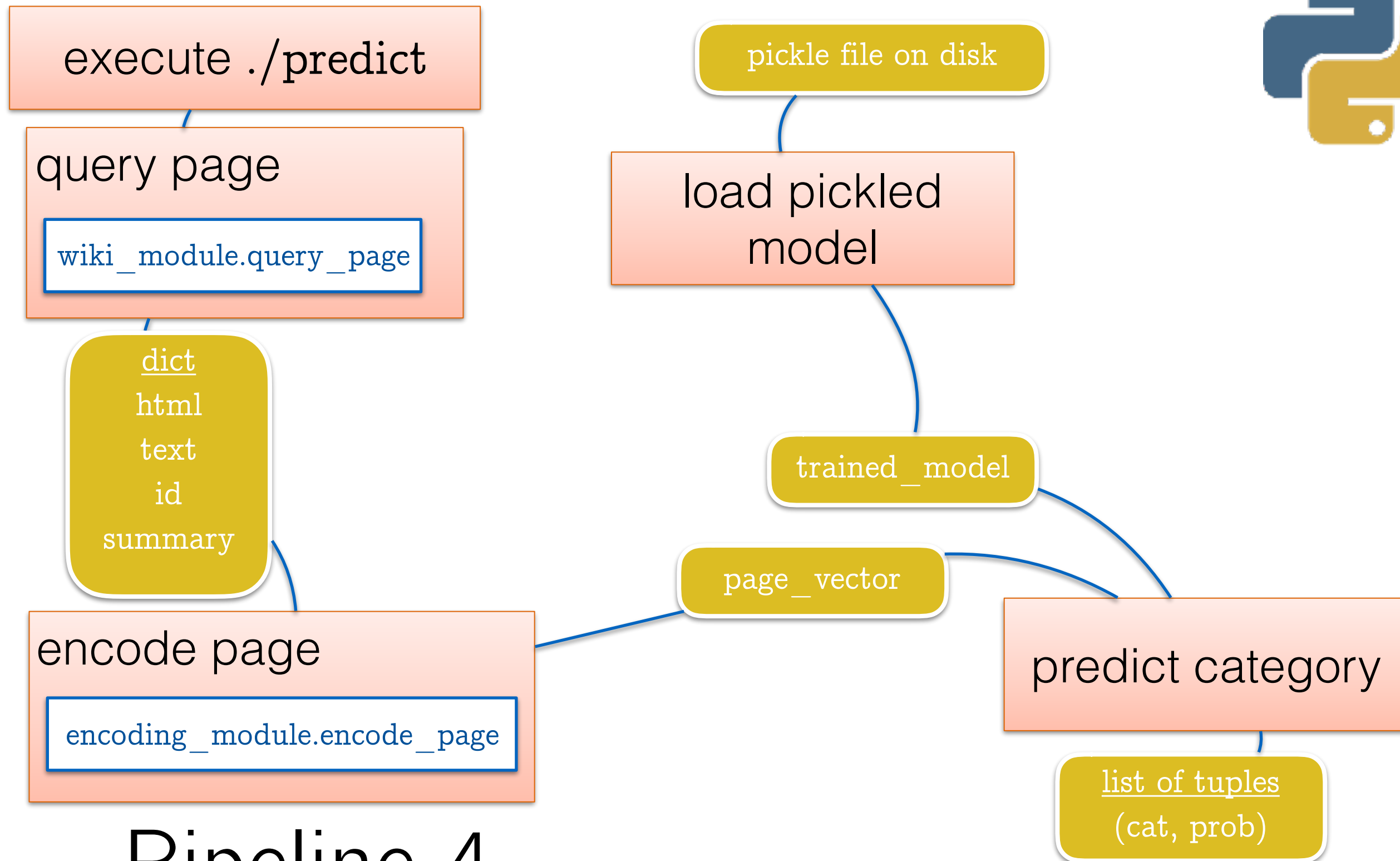
Pickle model

pickle file on disk

Pipeline 3

train

minimum viable implementation



Pipeline 4

predict

minimum viable implementation