AI For Digital Collections

Meta Mosaic Data Flow

1) Data Source: Possible locarions start process where - Di images are stored

locations J.

- Discovery Cluster

-53 bucket

2) Image Processor:

Class to process

images before they

are fed to the model

class vars

Airepath - Where file is Stored on 53 Bucket

chiscuss where at this step you want to defect when file type it is jot assume of the chiscon of the control of

Methods

process_image ->

Description

trakes TIF
file converts & AEDUCE SIZE
it to a JPG
stored at some
local location Aeturn: JPG
where script.py
Aile resides

base_64_encode()> Encodes image Aetum: base_64
into base_64 encoding
for Claude model

gemini_upload() > genai_upload (new jpg file parh)

Transcription Model - interface that Claude and Class that specifically transcribes Gemini scriprs the back image inherin Memods generate_transcription (img_back_filepath): returns transcription returned from the model estring 'extract_names () returns photographer name = string extract_dutes () returns list of dates < list extract_raw () returns raw transcription Constructor_init_: initializes prompt get_token_size () = depends innerited returns num-tokens clusses nor included in interface 4) Title Model - interface Methods generate_title (img_front_filepath)
returns generated title

Constructor_init_: initializes prompt

Get_tokens

returns tokens

Abstract Model - interface

Methods

generale - abstract (img_front_filepath)

returns generaled abstract

Constructor_init_: initializes prompt

Get_tokens

returns tokens

CSV Writer

Discuss
Where
output
Should

combines all metadota and writes it to a csv_file class_vars

metadota

metadota

metadota

metadota

Class_vars
i mage_file_name
title
abstract
photographer_name
primary_date

methods:
Write_to_csv(csv-file
-pam)

generate_json
f
generates json
version of

Secondary-dare
raw-transcription
fotal_tokens

meradara