

â??æ?±ã?ã??æ?½è±æ|?â?µâ?·ã·ã?ã?ä½·ç½®ã·¥ã?ã??ã??

ã?ã??ã·ã»¥ä,?ã®å·¥ä|ç??æ?·ç¾©ã??æ?·ã·ï¼?

- è??ç®?å?|ç?ã?ã®¹æ??
- UI æ?·ä½?æ?§ã·?é«?ã·?
- è§£é??å·è?½æ?§i¼?Explainability¼?ã?æ? ä?·ã?ã??ã??
- ä?çã??ã?«å ¥å??ã·ã?ã·ä®?å®?ã?ã??

2. Vibe-mini èè??å²ä¼¼?ã·ã·?5ã??ã?©ã?jã?¼ã?¿ã·ã·®ã·?

Vibe-mini ä·ã»¥ä,?ã®èè??å²å??ã?ã??æ§?ç-?ã?ã??ã·ä·ã??ã??

2.1 æ?½è±jã??ã·®å??ç?i¼?Principle of Abstractioni¼?

é?°å²æ°?ã·ã®æ°?ã®å? å·ã·?ã??æ§?æ?·ã·?ã??ã??ã·?ã·
ã??é?°å²æ°?ã??ã®æ°?ã·?ã??ã·ã·æ??å?·ã·«è§ã??ã??ã·®ã?·ã·éã??ã??ã??ã??

ä¾¼?i¼?

- ä°°ã·®å®?ã·?
- é³é?
- å²å ¥ã??ã·®å®?ã·?
- æ??æ? ç??ç®°æ°?i¼?è»½ã·?i¼·é?·ã·?i¼?

ã?ã??ã??ã·ã°é??ã?ä,?ç?æ??å?·ã·«æ??æ·jã?ã??â??è|ç' ç??æ??æ??â?·ã·§ã?ã??ã??

2.2 ç?»å?·ç??æ?·ã?çã??ã?«ã·®ç?¹æ?§ã?ã??é??ç®?

Stable Diffusion ä·è®é??ã·æ??ç®°ã??ä,?ã·?ã·jã??å·æ? ä·?ã·ã·?å'å·ã·?ã??ã??
ã·?ã·?ã·?ã·äã·jã·

ç?»å?·ç??æ?·ã?çã??ã?«ã·?è|è|ç??ã·«å·æ? ä·?ã??ã·?ã·?è»,ã??é,ã·¶å¿ è|ã·?ã·
?ã??ã??

Stable Diffusion ä·å¾æ?·ã·ã·®ã·i¼?

- ä°°æ°?
- æ'»å??é?
- å ?ã·®æ??ã??ã·?
- ç®°é??ã·®ã·?ã?·ã·®ã·æ??
- æ§?å²ã·®ã??ã·?å°jã?

ã·®ã·¾ã?? Vibe-mini ä·®é,å®?ã·ã·

ã??å®?é??ã·«ç?»å?·ç??æ?·å'ã·?å®?å??ã??å?·ã·?å·?ã??ã??ã·?ã·?è»,ã·?ã??å²å ?ã·?ã·jã??ã??ã??

2.3 é?¢æ?£å??ã•®ç•?ç?±

é?£ç¶?â?ªã«ã?ã??ã•ä»¥ä,?ã®å?•é|?ã?èµ.ã•ã??i¼?

- Ul ã•ç ©é??ã•«ã•ã??
- ä^{oo}é??ã•®ç? æ??ç??ç?•?èS£ã•?æ•ã•ã•?ã??ã??
- ç?»â?ç??æ?•â•ã•®æ•ã??ã•?ã??â?â?â?ã•Sã•ã•ã•?

é?¢æ?£å?¤¼?0ã??3 / -1ã??1¼?ã•-ã?

ä⁰⁰é??ã•ã?¢ã??ã?«ã•®â??ä.jè? ä•«ã•ã•£ã|ã•®æ??é•©é ?å??â?•ã•«ä½•ç½®ä»?ã?ã??ã??ã??ã??

3. ã??ã?ã?³ã??ã??ç??æ?•ã?çã?«ã?´ã?^aã?^oã? ï¼?LLMï¼?

Vibe-mini ã??ã??ã??ã?1ã??ã??ã??ã?3ã??ã??ã?•.å?æ?ã?ã??æ?1æ3?ã?2c®éj?ã?ã??ã??

3.1 Rule-based

ã?jã?ªã??ã??i¼?å®?å®?ã?»å?•c¾æ?§ã?•é«?ã?•

ã??ã?;ã?^ã?;ã?;ï¼?;å?;æ§?;è;ç·¼ã?«æ¬ã?;ã?;

ç??æ?•ä¾¾?ï¼¼?

A workshop with {people} people, {sound_type} sounds at {sound_level} volume,

3.2 LLM å??

ã?jã?ªã??ã??i¼?æ??è??èj`c¾ã?·è±?ã?·ã?·c?»å?·ã·®è³ªã?·é«?ã?·å·-è?½æ?§

ã??ã?jã?ªã??ã??i¼?æ°ã??ã?ã?ã?ã??ã?é?å?°ã?ªè??è?²ã?èµ.ã?ã??å?è?½æ?§

ã?·ã?¹ã??ã? ã??ã?ã?³ã??ã??ä³/₄?i¹/₄?

ã??ã?·ã·^aã·?ã·⁻c?»å?c??æ?·ã??ã?ã?³ã??ã??c??æ?·ã?·ã?¼ã?ã?§ã?³ã??ã·sã·?ã??

å ¥å??ã?ã??ã? Vibe-mini ã®å?ã??ã??ã?ã?ã?«ã?ã?¥æ?;ã??ã?ã?ã?æ? æ?ã??1è?ã?

®è?±è^a?ã•sè"?è¿.°ã•?ã•^aã•?ã•?ã•??

ä½?è""ã·^ae^a-æ??ã·æ?ã?ã·ã?ã?«ã?jã?©è!c?¹ã??å«ã?ã??å; è!·ã·-ã?ã??ã·¾ã·

•

3.3 ä??ä?ä?³ä??ä??ç??æ?•ä®æ??è|?ç??ä?•ä?nä?³ä??

- Workshop / studio / craft tools
- é?°â?²æ°?ã??æ??ã??ã?¼•é?•ã?ã?Sèj"ã?°â'â?ã-â½çâ®è©?ã•Ré,æ??ã?é?•è!•
- ä°æ?°ã- â??several workersâ?, â??a few peopleâ?, â??crowdedâ?• ä-ä-©
- flow ä- â??frequent movementâ?, â??calm movementâ?• ä-ä-©è!°è!°è°â½?ã?Sèj"ç¾¾

4. Stable Diffusion

Stable Diffusion ä•šă•̄ä»¥ä, ?ä•®è!•ă? ä•?â??é?°ă?æ°?â?•ä•«ă½±é?¿ă??ă, ?ä•?ă??ă??

4.1 ä,»è!•è!•ă?

1. ä°ç?©æ?°i¼?people_leveli¼?â??æ??ă??ă•æ? ä•?ă??ă??ă•?ă•?
2. â ?ä•®é?•i¼?ă®?é??ă• valence ä®ă? ă½?ç?•ăšă•?ă??i¼?
3. è??æ? ă®ă ?ă°i¼?clutter, tools, machineryi¼?
4. ä?«ă?©ă?¼ă??ă?-ă??ă??ă•®ă?¼ă•i¼?valence ä•?ă?ă•i¼?

4.2 â•æ? ä•?ă??ă•«ă•ă•?è!•ă?

- é?³
- â??ă•i¼?motion blur ä??è!•æ±?ă•?ă•ă•?é?•ă??i¼?
- â??ă•?
- ä°é??é?¿ă¿ ?ä•®é?°ă?²æ°?

ä•?ă??ă??ă•-ä??è!•è!•ç??ă??ă•ă?-ă?¼ă?ă•?ă½±ă•?ă•?ă•?ă•?
ă??ă?ă??ă??ă•šă½•è¿ă•?ă•ă?ă•ă¿?ă•?ă•«ă•ă•?ă??

4.3 ç?»ă?•ç??æ?•ä•®æ°ă??ă•?ă•«ă•ă•?ă•!

Stable Diffusion ä•-ă?©ă?³ă??ă? ä??ă?ă?°ă??ă?æ??æ•jă»¶ä•-ă•?ă•|æ?±ă•?ă•?ă•?ă•?
ă•?ă, ?ă??ă?ă?ă?ă??ă•šă??æ-?ă??ç?°ă•ă??ă??

é?°ă?²æ°?ă??æ?±ă•?ă, ?ă•šă•-ă?
æ°ă??ă•?ă•-ă??ă?ă?-è?°ç?¶ă•ă??ç?°ç??æ°ă??ă?•ă•ă•?ă•|æ?±ă•?ă•?ă•?ă•šă•ă??ă??

5. è©?ă¼jă®?é•?ă•®è©³ç´°

5.1 â®?é•?è•è•?

ă•?æ°°

Vibe-mini 5è!•ç´ ä??ç?-ç«?ă•ă•?ă??ă•?ă•?ă•|æ-?è¼?ă??

æ•jă»¶

- ä?µă?³ă??ă?«ă•-ă?è•ă®?ă•?ă•ă•« 5 æ??ç??æ?•
- ç?»ă?•ç??æ?•ă?¿ă??ă?«i¼?Stable Diffusion 1.5 / SDXL
- Prompt Generatori¼?LLMi¼?GPT-4 or local LLMi¼?

5.2 è!³ă-?é ç?®

1. ä°ç?©æ?°ă•®ă•?ă??
2. è??æ? ă®ă-?ă°jă•?ă??

3. á ?ã?»á½©áº|ã•®á¤?á??
4. æ©?æ¢ºí¼•á•¥á •ã•®æ•ã?ºé »áº|
5. â??èì¬æ? ã•ã•?ã|ã•®é?ºá²æº?â?•ã•®èªã•¿á•?ã??á•¬è?½æ?§

5.3 çµ•æ??ã•®ä¾¾?

İ¼?İ¼?ä°ç?©å-?å°!ã®å¤?å??

æ??ã??å?•ç¾æ?šã?•é«?ã??

â?? SDXL ãšã•-ã-?ãº|è¨¾¾ã?•æ??ç?ã«ã?å??

ï¼?2ï¼?é?³é?•ã•®å?å??

è!?'è!?'â??ã•-ç?'æ?'¥ç??ãšã•-ã^aã•?
â??ã•?ã•ã•?â??machineâ•?ã•?â•?ã•?ã•?é•?â•?ã•?»â•?¥â•?ã•?®é•?ã•?â•?ç?ã•?ã•??

İ¼?3İ¼?å??ã•İ¼?flowİ¼?

é•©å°|ã•«å•æ? ã•?ã??ã??
 â?? â??busy workshopâ?• ã•®ã??ã?•ã•«èj•ç¼ã?•å?ã?•ã??ã?•é??ç?¶æ??ã?•åç?ã?•

i^{1/4}?4i^{1/4}?vibe_valence

çʰõã•?ã•ã̃ɰ?ã̃•?ã̃•?ã̃??
 â?? â??light/friendlyâ•?ã̃̄æ??ã̃??ã̃?æʂ?ã̃³
 â?? â??tense/quietâ•?ã̃̄æ??ã̃̃ã̃̃@è²èª¿ã̃̃«ã̃̃ã̃??ã̃??ã̃•?ã̃•?

6. $\zeta \cdot \mathfrak{a} \cdot ? \mathfrak{e} ?? \mathfrak{a}^- ?$

Vibe-mini ã•̄ã?

ã?•ã?¤ã?³ã??ï¼?

1. ç?»å?•ç??æ?•ã?çã??ã?«ã•«ã•ã•£ã•|æ?±ã•?ã??ã•?ã•?æ¬|å ?ã??é•,ã??ã•§ã•?ã??ã•?ã•
2. ã??ã?©ã?|ã?¼ã?¿ã•®æ?•å³ã•?ã°é??ã•ã?çã??ã?«ã•®ã,|è? ã•§ã•?å•?ç??ã•§ã•?ã??ã•?ã•
3. é?°å²æ°?å³?å³??ã•®ã??ã?ã?©ã??ã?¼ã?•ã?§ã?³ã?•ã??ã½?ã??ã??ã•?ã•
4. U|ã•ë«ç?•ã?çã??ã?«ã•?å³?ã•¿å•?ã•£ã•|ã•?ã??ã•?ã•

7. ä»?å¾?ã•®ç?°±?ï¼?ã?ã?¼ã??ã??ã??ã??ï¼?

7.1 å·¥æ?¿ä»¥å¤?ã•®ç©°é??ã·ã•®é•ç?''

- $\tilde{a}^?^a\tilde{a}^??\tilde{a}^?\pounds\tilde{a}^?^1$
- $\tilde{a}^?-_1\tilde{a}^?^1\tilde{a}^??\tilde{a}^?\copyright\tilde{a}^?^3$

- å·¥å´
- é?½å, ?ã•®èì?è§?
- ä½•å® ç©°é??

â?? ã??ã?©ã?|ã?¼ã?¿ã?®å°•æ?|å¼¼µã?sé•©ç?“å¯è?½ã??

7.2 Vibe Estimator

ã?«ã?jã?©ã?ã??ã?□ã?¬ã?æ,©æ¹¿åº|ã?»ã?³ã?µã?¼ã•ã•©ã?ã??
Vibe-mini ã??èªå??æ?·å®?ã?ã??ã??

æŋ?æ?•æj?i¹/₄?

â?â?³â?µâ?¼â?¥â?? â?? Feature Extractor â?? Vibe Estimator â?? Vibe-mini

Vibe Estimatorã•

CNN / Audio Embedding / Transformer

7.3 Multi-modal Vibe Modeli¼?MV-Modeli¼?

æ??çµ?å½¢ã•-ä»¥ä,?ã®çµ±å•?ã?·ã?¹ã??ã? ì¼?

Vibe Text Image Sound Behavior

ç©°é??ç?·?è\$£ã??å?æ-|å ?ã.«ã?ã??ã?ã?·ã?§ã?·

- é²²ç½
- å·¥å´ã•®ç?°å,æ□?å°°
- æ??è²²ã?»è²²ç´
- é³é?¿ã??ã?¶ã?αã³
- å»°°ç¯ã?»å? è£ å?·ã??ã?¥ã?-ã?¼ã?·ã?§å³

ç?ã•«å¿?ç?¨ã•§ã•ã??ã??

7.4 Vibe Large Modeli¼?VLMi¼?æ§?æ?³

æ??çµ?å¹/₂¢æ ?ã•®æ§?é? ï¹/₄?

å?æ¬ ; å??ã?»ã?³ã?µã?¼

ã??â??

Vibe Encoder¼?VLM¼?

ã??â??

Scene Generator

â??å´ã•®©°æ°?â?•ã??å|ç¿?ã??ã?¼ã?¿ã•ã?ã?æ?±ã?•

ä. ?ç??å?•ã®é?°å?²æ°?ã?çã??ã?«ã??è! ?é??ã«ã•ã??ã??

8. çμ•è«?

æ?¬ç ?ç©¶¶ã?»æ?¬ã?·ã?¹ã??ã? ã·¬ã?
â??æ??æ?§ã·é?°å²æ°?â?·ã·ã·ã·?æ|?å¿µã??ã?·å·¥å|ç??ã·«æ?±ã·?ã·?ã??æ? çµ?ã·¿ã·,ã··å¼?ã·
ä,?ã?·ã·?
æ??°·ã·§ã?·ã·?ã·¶å®?ç?·ç??ã·æ??èì?å²°ç?¶ã··ã·ã??ã·?ã··ã·?ç?èª·ã·?ã??è©|ã·¿ã·§ã·?ã??ã??

- Vibe-miniï¼?5è»¿¼?ã·¬å²?å??ã??æ??æ¶ã·?ã??ã·«ã·¬æ©?è?½ã?ã??
- LLMã??ã?ã?³ã??ã??ç??æ?·ã··ã·®ç?,æ?§ã·?è?¬ã?
- ç?»å²·ç??æ?·å²·ã·®å²?å??ã??æ??æ?·ã·«è³å²¬ã§ã·ã??
- æ?¿å¼µå²¬è?½æ?§ã·é«?ã·?
- å®?é??ã·®ä½²?æ¥ç©é??ã??å²¬¾è±¿ã··ã·ã|ã??å¿¿?ç?·å²¬è?½

æ??èì?ç??ã·«ã??ç ?ç©¶¶ç??ã·«ã??ã?·
â??é?°å²æ°?ã·®è·ç®?ã?¶ã??ã?«ã??â?·ã··ã·?ã·æ?ªè,å²??é??ã·,ã·®
å²°ç²?è²¶ç?®ã·«ã·ã??å²¾?ã??ã??

Category

1. è«?æ??

Tags

1. AI
2. Vibe
3. ä,?é??å²?ä,?
4. å±±±æ¶ç??
5. é?°å²æ°?

Date Created
2025å¹´11æ??18æ?¥
Author
kazuo-tsubaki