

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®å² å·ã·ã??æ§?æ?·ã·ã??ã??ã·ã·
ã??é?°å²æ°?ã??ã®æ°?ã·ã·ã·æ??å²·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·ä°°é??ã?ä,?ç?æ??å²·ã·«æ??æ·jã?ã??â??è|ç' ç??æ??æ??â?·ã·§ã?ã??ã??

2.2 ç?»å²·ç??æ?·ã?çã??ã?«ã·®ç?¹æ?§ã?ã??é??ç®?

Stable Diffusion ä·è®é??ã·æ??ç®å??ä,?ã·ã·ä|ã??å·æ? ä·ã·ã·å²å² 'å²ã·ã·ã??ã??
ã·ã·ã·ã·ä·ä·ä·

ç?»å²·ç??æ?·ã?çã??ã?«ã·è|è|ç??ã·«å·æ? ä·ã??ã·ã·ã·è»,ã??é,ã·¶å¿ è|ã·ã·
ã??ã??

Stable Diffusion ä·å¾æ?·ã·ã·®ã·i¼?

- ä°°æ°?
- æ'»å²é?
- å ?ã·®æ??ã??ã·?
- ç®é??ã·®ã·ã?·ã·ã·æ??
- æ§?å²³ã·®ã??ã·?å²ã?

ã·ã·¾ã?? Vibe-mini ä·®é,å®?ã·ã·

ã??å®?é??ã·«ç?»å²·ç??æ?·å²ã·å²å²ã??ã?ã·å²ã??ã??ã·ã·è»,ã·ã??å²å² ?ã·ã·ä|ã·ã??ã??

2.3 é?¢æ?£å??ã•®ç?ç?±

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

- UI ã•?ç ©é??ã•«ã•ã??
- ä°é??ã•®ç?æ??ç??ç?è££ã•?æ•ã•ã??ã??ã??
- ç?»å?ç??æ?ã•ã•®æ°ã??ã•?ã??å,å?ã•§ã•ã•ã•?

é?¢æ?£å?ªi¼?0ã??3 / -1ã??1i¼?ã•ã•

ä°é??ã•ã?¢ã??ã?»ã•®å?ã,¿è? ã•«ã•ã•£ã•ã•®æ??é•©é ?å??â?ã•«ä½•ç½®ä»ã•?ã??ã??ã??ã??

3. ä??ã?ã?³ã??ã??ç??æ?ã?¢ã?»ã?´ã?ªã?ã? i¼?LLMi¼?

Vibe-mini ä??ã??ã?ã?¹ã??ã??ã?ã?³ã??ã??ã,åªæ?ã•?ã??æ?¹æ³?ã•2ç®é?ã?ã??ã??

3.1 ä??ã?³ã??ã?-ã?¼ã??å??i¼?Rule-basedi¼?

ã?jã?ªã??ã??i¼?å®?å®?ã?»å?ç¼æ?§ã•?é«ã•?

ã??ã?jã?ªã??ã??i¼?åªæ?èjç¼ã•«æ-ã•?ã??

ç??æ?ã¼?i¼?

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

3.2 LLM å??

ã?jã?ªã??ã??i¼?æ??è??èjç¼ã•?è±ã•?ã?ç?»å?ã•®è³ã•?é«ã•?å•è½æ?§

ã??ã?jã?ªã??ã??i¼?æ°ã??ã•?ã•?ã??ã?é•å?°ã•è??è²ã•?èµ.ã•ã??å•è½æ?§

ã•ã?¹ã??ã? ä??ã?ã?³ã??ã??ã¼?i¼?

ã??ã•ã•ã•ã•ã•ç?»å?ç??æ?ã•?ã?ã?ã?³ã??ã??ç??æ?ã•?ã?¼ã?,ã?§ã?³ã??ã•§ã•?ã??
å ¥å??ã•?ã??ã•? Vibe-mini å®å?ªã??ã??ã•ã•«ã•?å.¥æ?¿ã??ã•?ã•æ? æ?ã??1è?ã
®è±èªã•§è?è¿°ã•?ã•ã•?ã•?ã??
ä½?è?ã•èªæ??ã•æ?,ã?ã•?ã•?ã?»ã?jã?©è?ç?¹ã??å•«ã•?ã??å¿ è!ã•ã?ã??ã•¼ã•
ã??ã??ã?•

3.3 ä??ã?ã?³ã??ã??ç??æ?ã•®æ??è?ç??ã?ã?ã?³ã??

- Workshop / studio / craft tools ã•ã•©ã•?ç©é??å?°å®?èª?å½?ã??å¿ ã•?å•«ã•?ã??
- é?°å²æ°?ã??æ??ã??ã•?i¼?é?ã•?ã•§èjã•?å ´å•?ã•?å½¢å®¹è©?ã•®é,æ??ã•?é?è!•
- ä°æ?°ã•? â??several workersâ?, â??a few peopleâ?, â??crowdedâ?• ã•ã•©
- flow ã•? â??frequent movementâ?, â??calm movementâ?• ã•ã•©è!è!èª?å½?ã•§èjç¼

4. Stable Diffusion ã•«ã•?ã•?ã??â??é?°å²æ°?å•æ? â?ã•®æ??è?ç??æª?è??

Stable Diffusion ä•šä•¬ä»¥ä,?ä•®è!•ä? ä•?â??é?°ä?æ°?â?•ä•«ä½±é?¿ä??ä,?ä•?ä??ä??

4.1 ä,»è!•è!•ä?

1. ä°ç?©æ?°i¼?people_leveli¼?â??æ??ä??ä•æ? ä•?ä??ä??ä•?ä•?
2. ä ?ä•®é?•i¼?ä®?é??ä¬ valence ä®ä?¬ä½?ç?¬äšâ?ä??i¼?
3. è??æ?¬ä®ä¬?ä°i¼?clutter, tools, machineryi¼?
4. ä?«ä?©ä?¼ä??ä?¬ä??ä??ä•®ä?¼ä•i¼?valence ä•?ä?¹ä•i¼?

4.2 ä•æ? ä•?ä??ä•«ä•ä•?è!•ä?

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

ä•?ä??ä??ä•¬ä??è!•è!•ç??ä??ä•ä¬¬ä?¼ä?ä•?ä½±ä•?ä•?ä•?ä•?
ä??ä?ä??ä??ä•šä½¬èªä•?ä•ä?ä?ä•ä¿?ä•?ä•«ä•ä•?ä??

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

Stable Diffusion ä¬ä?©ä?³ä??ä? ä??ä?ä?ä°ä??ä?æ??æ•jä»¶ä•¬ä•?ä•|æ?±ä•?ä•?ä•?ä•?
ä•?ä,?ä??ä?ä?ä°ä??ä??ä•šä??æ¬?ä??ç?°ä°ä??ä??

é?°ä?²æ°?ä??æ?±ä•?ä,?ä•šä¬ä¬
æ°ä??ä•?ä•¬ä??ä?ä?¬è?ªç?¶ä•ä??ç?ç?ç??æ°ä??ä?•ä•¬ä•?ä•|æ?±ä•?ä•?ä•¬ä•?ä•šä¬ä??ä??

5. è©?ä¼jâ®?é¬?ä•®è©³ç´°

5.1 â®?é¬?è¬è¬?

â®?æ°°

Vibe-mini 5è!•ç´ ä??ç?¬ç«?ä•«â®?ä??ä•?ä•?ä•|æ¬?è¼?ä??

æ•jâ»¶

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

5.2 è!³ä¬?é ç?®

1. ä°ç?©æ?°ä•®â®?ä??
2. è??æ?¬ä®ä¬?ä°jâ®?ä??

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«ãå?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¢?ã•?ã??

İ¼?3İ¼?å??ã•İ¼?flowİ¼?

é•©å°|ã•«å•æ? ã•?ã??ã??
 â?? â??busy workshopâ?• ã•®ã??ã?•ã•«è`ç¼ã•?å¤?ã?•ã??ã?•é??ç?¶æ??ã?•å¢?ã?•

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

çʰõã•?ã•ªãç?ã??ã•?ã•?ã??
 â?? â??light/friendlyâ•?ã•̄æ??ã??ã?æʂ?ã³
 â?? â??tense/quietâ•?ã•̄æ??ã?ã•®è²èª¿ã•«ãªã??ã??ã•?ã•?

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

Vibe-mini ã•̄ã•
 å°?æ°?ã°?ã°?©ã°?¼ã°?¿ã°?§ã°??é°?å°?²æ°?ã°?®â°??æ°?¹å°?æ°?§â°?ã°??æ°?ã°??ã°??
 ã°?ã°?ã°??ç¤°èª•ã°?ã°?ã°??

ã?•ã?¤ã?³ã??ï¼?

1. ç?»â?•ç??æ?•ã?çã??ã?«ã•«ã•ã•£ã•|æ?±ã•?ã??ã•?ã•?æ¬|â ?ã??é,ã??ã•§ã•?ã??ã•?ã•
2. ã??ã?©ã?|ã?¼ã?¿ã•®æ?•â?³ã•?ã⁰⁰é??ã•ã?çã??ã?«ã•®ã,|è? ã•§ã•? â?ç??ã•§ã•?ã??ã•?ã•
3. é?°â?²æ°?â?²â?²ã•®â??ã?°ã?©ã??ã?¼ã?•ã?§ã?³ã?•ã??ã½?ã??ã??ã•?ã•
4. U| ã•ë«ç?ç?ã?çã??ã?«ã•?â??ã•¿â?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?''

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

- $\hat{a} \cdot \mathbb{A} \hat{a}^{\prime}$
- $\acute{e} \frac{1}{2} \hat{a}, \hat{a} \cdot \textcircled{R} \acute{e} j ? \grave{e} \S ?$
- $\grave{a} \frac{1}{2} \cdot \hat{a} \textcircled{R} \textcircled{C}^{\circ} \acute{e} ??$

$\hat{a} ?? \hat{a} ?? \hat{a} ? \textcircled{C} \hat{a} ? j \hat{a} ? \frac{1}{4} \hat{a} ? \textcircled{C} \hat{a} \cdot \textcircled{R} \hat{a}^{\circ} \cdot \textcircled{C} \hat{a} ? j \hat{a} \frac{1}{4} \mu \hat{a} \cdot \textcircled{S} \acute{e} \cdot \textcircled{C} ? \hat{a} \cdot \bar{\hat{a}} \cdot \bar{\hat{e}} ? \frac{1}{2} \hat{a} ??$

7.2 $\hat{a} ? \gg \hat{a} ?^3 \hat{a} ? \mu \hat{a} ? \frac{1}{4} \hat{e} ? \cdot \hat{a} \cdot ? \hat{a} ??$ Vibe Estimator

$\hat{a} ? \ll \hat{a} ? j \hat{a} ? \textcircled{C} \hat{a} ? \cdot \hat{a} ?? \hat{a} ? \textcircled{C} \hat{a} ? \bar{\hat{a}} ? \textcircled{C} \hat{a} \cdot \textcircled{C} \hat{a}^1 \textcircled{C} \hat{a}^{\circ} j \hat{a} ? \gg \hat{a} ?^3 \hat{a} ? \mu \hat{a} ? \frac{1}{4} \hat{a} \cdot \hat{a} \cdot \textcircled{C} \hat{a} \cdot ? \hat{a} ??$
Vibe-mini $\hat{a} ?? \hat{e} ?^{\textcircled{a}} \hat{a} ?? \textcircled{C} ? \hat{a} \textcircled{R} ? \hat{a} \cdot ? \hat{a} ?? \hat{a} ??$

$\textcircled{C} \S ? \textcircled{C} ? \cdot \textcircled{C} j ? i \frac{1}{4} ?$

$\hat{a} ? \gg \hat{a} ?^3 \hat{a} ? \mu \hat{a} ? \frac{1}{4} \hat{a} ? \mathbb{A} \hat{a} ?? \hat{a} ??$ Feature Extractor $\hat{a} ??$ Vibe Estimator $\hat{a} ??$ Vibe-mini

Vibe Estimator $\hat{a} \cdot \bar{\hat{a}}$

CNN / Audio Embedding / Transformer $\hat{a} \cdot \hat{a} \cdot \textcircled{C} \hat{a} \cdot \textcircled{S} \textcircled{C} \S ? \textcircled{C} \bar{\hat{a}} ??$

7.3 Multi-modal Vibe Model $i \frac{1}{4} ?$ MV-Model $i \frac{1}{4} ?$

$\textcircled{C} ?? \textcircled{C} \mu ? \hat{a} \frac{1}{2} \textcircled{C} \hat{a} \cdot \bar{\hat{a}} \gg \hat{a}, ? \hat{a} \textcircled{R} \textcircled{C} \mu \pm \hat{a} \cdot ? \hat{a} ? \cdot \hat{a} ?^1 \hat{a} ?? \hat{a} ? i \frac{1}{4} ?$

Vibe $\hat{a} ??$ Text $\hat{a} ??$ Image $\hat{a} ??$ Sound $\hat{a} ??$ Behavior

$\textcircled{C}^{\circ} \acute{e} ?? \textcircled{C} \cdot ? \grave{e} \S \textcircled{C} \hat{a} ?? \hat{a} \textcircled{C} ? \textcircled{C} \hat{a} \cdot \neg j \hat{a} ? \hat{a} \cdot \ll \hat{a} \cdot ? \hat{a} ?? \hat{a} \cdot ? \hat{a} \cdot \bar{\hat{a}} \cdot \textcircled{S} \hat{a} ? \cdot$

- $\acute{e} ?^2 \textcircled{C} \cdot \frac{1}{2}$
- $\hat{a} \cdot \mathbb{A} \hat{a}^{\prime} \hat{a} \cdot \textcircled{R} \textcircled{C} ?^{\circ} \hat{a}, \textcircled{C} \textcircled{C} ? \hat{a} ?^{\circ}$
- $\textcircled{C} ?? \hat{e} ?^2 \hat{a} ? \gg \hat{e} ?? \textcircled{C}^{\prime}$
- $\acute{e} ?^3 \acute{e} ? \textcircled{C} \hat{a} ?? \hat{a} ? \textcircled{C} \hat{a} ? \textcircled{C} \hat{a} ?^3$
- $\hat{a} \gg \textcircled{C} \bar{\hat{a}} ? \gg \hat{a} ? \grave{e} \textcircled{C} \hat{a} ? \cdot \hat{a} ?? \hat{a} ? \mathbb{A} \hat{a} ? - \hat{a} ? \frac{1}{4} \hat{a} ? \cdot \hat{a} ? \S \hat{a} ?^3$

$\textcircled{C} ? \hat{a} \cdot \ll \hat{a} \textcircled{C} ? \textcircled{C} ? \bar{\hat{a}} \cdot \textcircled{S} \hat{a} \cdot \hat{a} ?? \hat{a} ??$

7.4 Vibe Large Model $i \frac{1}{4} ?$ VLM $i \frac{1}{4} ?$ $\textcircled{C} \S ? \textcircled{C} ?^3$

$\textcircled{C} ?? \textcircled{C} \mu ? \hat{a} \frac{1}{2} \textcircled{C} \textcircled{C} ? \hat{a} \cdot \textcircled{R} \textcircled{C} \textcircled{C} \S ? \acute{e} ? i \frac{1}{4} ?$

$\hat{a} \textcircled{C} ? \textcircled{C} \hat{a} \cdot j \hat{a} ?? \hat{a} ? \gg \hat{a} ?^3 \hat{a} ? \mu \hat{a} ? \frac{1}{4}$

$\hat{a} ?? \hat{a} ??$

Vibe Encoder $i \frac{1}{4} ?$ VLM $i \frac{1}{4} ?$

$\hat{a} ?? \hat{a} ??$

Scene Generator $i \frac{1}{4} ? \textcircled{C} ? \gg \hat{a} ? \cdot \hat{a} ? \gg \acute{e} ?^3 \hat{a} ? \gg 3 \textcircled{D} i \frac{1}{4} ?$

$\hat{a} ?? \hat{a}^{\prime} \hat{a} \cdot \textcircled{R} \textcircled{C}^{\circ} \textcircled{C} \textcircled{C} ? \hat{a} ? \cdot \hat{a} ?? \hat{a} j \textcircled{C} \textcircled{C} ? \hat{a} ?? \hat{a} ? \frac{1}{4} \hat{a} ? \textcircled{C} \hat{a} \cdot \bar{\hat{a}} \cdot ? \hat{a} \cdot j \textcircled{C} ? \pm \hat{a} \cdot ?$

$\hat{a}, ? \textcircled{C} ?? \hat{a} ? \cdot \hat{a} \cdot \textcircled{R} \acute{e} ?^{\circ} \hat{a} ?^2 \textcircled{C} ? \hat{a} ? \textcircled{C} \hat{a} ?? \hat{a} ? \ll \hat{a} ?? \hat{e} j ? \acute{e} ?? \hat{a} \cdot \ll \hat{a} ? \hat{a} ?? \hat{a} ??$

8. $\textcircled{C} \mu \cdot \hat{e} \ll ?$

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¬¼è±¿ã··ã·ã|ã??å¿¿?ç?·å²¬è?½

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å²°ç²?è²¶ç?®ã·«ã·ã??å²¼?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?¥
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