**Vdo name: 01**

Dataframe ก่อน filter '-' ออก

01\_256.csv : (40599, 4) : ['neutral' 'happy' '-' 'sad' 'angry' 'stress' 'relax']

Dataframe หลัง filter

face001.csv : (35442, 5) : ['neutral' 'happy' 'sad' 'angry' 'stress' 'relax']

face dataset x\_train: shape (-,256, 256, 3 ) Done

face dataset x\_train: shape (-,384, 384, 3 ) Done \*สร้างจาก video ต้นฉบับ

file type: npy

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**Vdo name: 02**

Dataframe ก่อน filter '-' ออก

02\_256.csv : (47378, 4) : ['-' 'neutral' 'stress' 'happy' 'sad' 'relax' 'angry']

Dataframe หลัง filter

face002.csv : (40428, 5) : ['neutral' 'stress' 'happy' 'sad' 'relax' 'angry']

x\_train: shape (-,256, 256, 3 ) Done

x\_train: shape (47378, 384, 384, 3 ) Done \*สร้างจาก video ต้นฉบับ

file type: npy

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**Vdo name: 03**

Dataframe ก่อน filter '-' ออก

03\_256.csv : (18624, 4) : ['-' 'stress' 'sad' 'neutral' 'happy' 'relax' 'angry']

Dataframe หลัง filter

face003.csv : (13245, 5) : ['stress' 'sad' 'neutral' 'happy' 'relax' 'angry']

x\_train: shape (-,256, 256, 3 ) Done

x\_train: shape (18624,384, 384, 3 ) Done \*สร้างจาก video ต้นฉบับ

file type: npy

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**Vdo name: 04**

Dataframe ก่อน filter '-' ออก

04\_224.csv : (56397, 4) : ['neutral' '-' 'happy' 'relax' 'stress' 'sad' 'angry']

Dataframe หลัง filter

face004.csv : (47732, 5) : ['neutral' 'happy' 'relax' 'stress' 'sad' 'angry']  
x\_train: shape (-,224, 224, 3 ) Done

x\_train: shape (-,384, 384, 3 ) \*สร้างจาก video ต้นฉบับ

file type: npy

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**Vdo name: 05**

Dataframe ก่อน filter '-' และ 'other' ออก

05\_94\_126.csv : (22401, 4) : ['negative-deactive' 'positive-deactive' '-' 'positive-active' 'neutral' 'other' 'negative-active']

Dataframe หลัง filter

face005.csv : (14991, 5) : ['negative-deactive' 'positive-deactive' 'positive-active' 'neutral' 'negative-active']

x\_train: shape (-,94, 126, 3 ) Done

x\_train: shape (22401,384, 384, 3 ) Done \*สร้างจาก video ต้นฉบับ

file type: npy

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**Vdo name: 06**

Dataframe ก่อน filter '-' ออก

06\_224.csv : (43835, 4) : ['-' 'neutral' 'stress' 'sad' 'relax' 'happy' 'angry']

Dataframe หลัง filter

face006.csv : (32621, 5) : ['neutral' 'stress' 'sad' 'relax' 'happy' 'angry']

x\_train: shape (-,224, 224, 3 ) Done

x\_train: shape (-,384, 384, 3 ) \*สร้างจาก video ต้นฉบับ

file type: npy

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**Vdo name: 07**

Dataframe ก่อน filter '-' ออก

07\_224.csv : (64865, 4) : ['neutral' 'stress' 'happy' '-' 'relax' 'sad' 'angry']

Dataframe หลัง filter

face007.csv : (47334, 5) : ['neutral' 'stress' 'happy' 'relax' 'sad' 'angry']

x\_train: shape (-,224, 224, 3 ) Done

x\_train: shape (64865,384, 384, 3 ) Done \*สร้างจาก video ต้นฉบับ

file type: npy

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**Vdo name: 08**

Dataframe ก่อน filter '-' และ 'other' ออก

08\_98\_134.csv : (31239, 4) : ['neutral' '-' 'positive-deactive' 'positive-active' 'negative-active' 'negative-deactive' 'other']

Dataframe หลัง filter

face008.csv : (23840, 5) : ['neutral' 'positive-deactive' 'positive-active' 'negative-active' 'negative-deactive']

x\_train: shape (-,98, 134, 3 ) Done

x\_train: shape (31239,384, 384, 3 ) Done \*สร้างจาก video ต้นฉบับ

file type: npy

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**Vdo name: pilot01**

Dataframe ก่อน filter '-' และ 'other' ออก

pilot01\_224.csv : (18602, 4) : ['positive-active' 'positive-deactive' 'negative-deactive' 'neutral' '-' 'negative-active' 'other']

Dataframe หลัง filter

pilot01.csv : (13089, 5) : ['positive-active' 'positive-deactive' 'negative-deactive' 'neutral' 'negative-active']

x\_train: shape (-,224, 224, 3 ) Done

x\_train: shape (18602,384, 384, 3) Done \*สร้างจาก video ต้นฉบับ

file type: npy

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**Vdo name: pilot02**

Dataframe ก่อน filter '-' และ 'other' ออก

pilot02\_150.csv : (19230, 4) : ['positive-deactive' 'neutral' 'negative-deactive' 'other' '-' 'positive-active' 'negative-active']

Dataframe หลัง filter

pilot02.csv : (14831, 5) : ['positive-deactive' 'neutral' 'negative-deactive' 'positive-active' 'negative-active']

x\_train: shape (-,150, 150, 3 ) Done

x\_train: shape (19230, 384, 384, 3 ) Done \*สร้างจาก video ต้นฉบับ

file type: npy

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**Vdo name: pilot03**

Dataframe ก่อน filter '-' ออก

pilot03\_150.csv : (43470, 4) : ['-' 'negative-deactive' 'positive-deactive' 'negative-active' 'positive-active' 'neutral']

Dataframe หลัง filter

pilot03.csv : (40041, 5) : ['negative-deactive' 'positive-deactive' 'negative-active' 'positive-active' 'neutral']

x\_train: shape (-,150, 150, 3 ) Done

x\_train: shape (43470, 384, 384, 3 ) Done \*สร้างจาก video ต้นฉบับ

file type: npy

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**Vdo name: pilot04**

Dataframe ก่อน filter '-' และ 'other' ออก

pilot04\_150.csv : (13530, 4) : ['-' 'negative-deactive' 'positive-deactive' 'positive-active' 'negative-active' 'other']

Dataframe หลัง filter

pilot04.csv : (12491, 5) : ['negative-deactive' 'positive-deactive' 'positive-active' 'negative-active']

x\_train: shape (-,150, 150, 3 ) Done

x\_train: shape (13530,384, 384, 3 ) Done \*สร้างจาก video ต้นฉบับ

file type: npy

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**Vdo name: pilot05**

Dataframe ก่อน filter '-' และ 'other' ออก

pilot05\_150.csv : (16537, 4) : ['negative-deactive' 'neutral' 'positive-deactive' 'positive-active' '-' 'negative-active' 'other']

Dataframe หลัง filter

pilot05.csv : (16156, 5) : ['negative-deactive' 'neutral' 'positive-deactive' 'positive-active' 'negative-active']

x\_train: shape (-,150, 150, 3 ) Done

x\_train: shape (-,384, 384, 3 ) \*สร้างจาก video ต้นฉบับ

file type: npy

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**Work Status**

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| Dataset | Shape เดิม | Shape ใหม่  (384,384) | ขนาดเดิม | ขนาดใหม่ | หมายเหตุ |
| face001 |  |  | 6.48 GB | 16.7 GB |  |
| face002 |  |  | 7.40 GB | 19.5 GB |  |
| face003 |  |  | 2.42 GB | 7.67 GB |  |
| face004 |  | Run on local | 6.69 GB |  |  |
| face005 |  |  | 507 MB | 9.22 GB |  |
| face006 |  | voting\_copy4 | 4.57 GB |  |  |
| face007 |  |  | 6.63 GB | 26.7 GB |  |
| face008 |  |  | 895 MB | 12.8 GB |  |
| pilot01 |  |  | 1.83 GB | 7.66 GB |  |
| pilot02 |  |  | 954 MB | 7.92 GB |  |
| pilot03 |  |  | 2.51 GB | 17.9 GB |  |
| pilot04 |  |  | 804 MB | 5.57 GB |  |
| pilot05 |  | 16538 frames | 1.01 GB | 6.81 GB | จำนวน frames ไม่ตรงกับ dataset (16536) |

ขนาดเดิม : เอารูปภาพที่นักจิต label มาสร้างเป็น .npy

ขนาดใหม่: เอา vdo มา crop face ให้มีขนาด (384,384) แล้วสร้าง .npy

**Implement code**

Code name: voting.ipynb

<https://colab.research.google.com/drive/1zIy-U6n0fAivQVH4PAs6MhTAQRtUA3le?usp=sharing>

Code name: voting\_copy1.ipynb

<https://colab.research.google.com/drive/11Y6P3SxVDo9FMtedNvqDcj5wRBoIBsrO?usp=sharing>

Code name: voting\_copy2.ipynb

<https://colab.research.google.com/drive/1q6bzEmZ7qYYO1KtRy-Yqbz4Q-82-Xg-L?usp=sharing>

Code name: voting\_copy3.ipynb

<https://colab.research.google.com/drive/1qysiNJGI0NFLW_CQxKJXWYUtjW4laxUE?usp=sharing>

Code name: voting\_copy4.ipynb

<https://colab.research.google.com/drive/1AqaAnw55QKoDg__WazB4hNgck1IZGdfh?usp=sharing>

Code name: voting\_copy5.ipynb

<https://colab.research.google.com/drive/1wOr9EslPoRxSJ99mo2BojTGcD1u1gKHP?usp=sharing>

Code name: voting\_copy6.ipynb

<https://colab.research.google.com/drive/1AjoGPEzgoz_Tt82bDFFaDFfaRM3STv8K?usp=sharing>