**data\_classfication**

**Read:**

time\_series\_covid19\_confirmed\_US.csv

time\_series\_covid19\_deaths\_US.csv

counties.csv

data-FPBfZ .csv 🡺 ICU

usa\_states\_latitude.csv

trends\_by\_day.csv

hospital\_visits .csv 🡺 No use

grocery\_visits .csv 🡺 No use

**Write:**

main\_df.csv

**AQV\_crawler:**

**Write:**

list\_state.csv

list\_date.csv

la.csv

**AQV\_combine\_three\_air\_data:**

**Read:**

list\_state.csv

list\_date.csv

la.csv

**Write:**

mix\_three.csv

#add column name

#change date type 🡺 01/01/2020 change into 2020/1/1

#sort “Air\_state” and “Air\_date”

AQV\_avg:

**Read:**

mix\_three.csv

**Write:**

airavg.csv

#change column name[C1] into “Air\_value”

**classify\_data\_level:**

**Read:**

main\_df.csv

**Write:**

WOE\_ICU.csv

WOE\_trends\_mask.csv

WOE\_trends\_covid\_19.csv

WOE\_trends\_sanitizer.csv

WOE\_air\_avg.csv

**Factor\_IV:**

**Read:**

WOE\_ICU.csv

WOE\_trends\_mask.csv

WOE\_trends\_covid\_19.csv

WOE\_trends\_sanitizer.csv

WOE\_air\_avg.csv

**Write:**

IV\_value.csv

**trends\_by\_day:**

**write:**

trends\_by\_day.csv