import pandas as pd

import csv

# Open the file to be created

with open('divemeets\_scores\_data.csv', 'w') as csvwfile:

# Define the field/column names for the new file

fieldnames = ['meet', 'event', 'score', 'same']

# write out the headers/column names for the new file

writer = csv.DictWriter(csvwfile, fieldnames=fieldnames)

writer.writeheader()

#open the data file as read only

with open('divemeets\_final\_data.csv', 'r') as csvfile:

# define the delimiter as a comma

data\_org = csv.reader(csvfile, delimiter=',')

# initialize the count for the rows

row\_cnt = 0

# go through each row in the input file

for row in data\_org:

# initialize the count for the number of scores collected

cnt = 0

# skip the header row, then start getting scores

if row\_cnt > 0:

# Start at column 5 where the scores start – look at each score field

# if the score field is >= 0 (not null), save the score, add to count of scores

if row[5]>= '0':

writer.writerow({'meet':row[1], 'event':row[3], 'score':row[5], 'same':row[18]})

cnt = cnt + 1

if row[6]>= '0':

writer.writerow({'meet':row[1], 'event':row[3], 'score':row[6], 'same':row[18]})

cnt = cnt + 1

if row[7]>= '0':

writer.writerow({'meet':row[1], 'event':row[3], 'score':row[7], 'same':row[18]})

cnt = cnt + 1

if row[8]>= '0':

writer.writerow({'meet':row[1], 'event':row[3], 'score':row[8], 'same':row[18]})

cnt = cnt + 1

if row[9]>= '0':

writer.writerow({'meet':row[1], 'event':row[3], 'score':row[9], 'same':row[18]})

cnt = cnt + 1

if row[10]>= '0':

writer.writerow({'meet':row[1], 'event':row[3], 'score':row[10], 'same':row[18]})

cnt = cnt + 1

if row[11]>= '0':

writer.writerow({'meet':row[1], 'event':row[3], 'score':row[11], 'same':row[18]})

cnt = cnt + 1

if row[12]>= '0':

writer.writerow({'meet':row[1], 'event':row[3], 'score':row[12], 'same':row[18]})

cnt = cnt + 1

if row[13]>= '0':

writer.writerow({'meet':row[1], 'event':row[3], 'score':row[13], 'same':row[18]})

cnt = cnt + 1

if row[14]>= '0':

writer.writerow({'meet':row[1], 'event':row[3], 'score':row[14], 'same':row[18]})

cnt = cnt + 1

if row[15]>= '0':

# also make sure score11 is <= 10 – some records have an error here

if row[15]<= '10':

writer.writerow({'meet':row[1], 'event':row[3], 'score':row[15], 'same':row[18]})

cnt = cnt + 1

print('records added = ', cnt)

row\_cnt = row\_cnt + 1