We're interested in the total number of deaths each character experienced, so we'd like to have a single field containing that information. Right now, there are five fields (Death1 to Death5), each of which contains a binary value representing whether a superhero experienced that death or not. For example, a superhero could experience Death1, then Death2, and so on until the writers decided not to bring the character back to life.

We'd like to combine that information in a single field so we can perform numerical analysis on it more easily.

Instructions

* Create a new column, Deaths, that contains the number of times each superhero died. The possible values for each death field are YES, NO, and NaN for missing data.
  + Keep all of the original columns (including Death1 to Death5) and update true\_avengers with the new Deaths column.

# function that counts death in order to sum them in a new column later

def clean\_deaths(row):

# initial 0

num\_deaths = 0

# columns to examine for yes or no

columns = ['Death1', 'Death2', 'Death3', 'Death4', 'Death5']

# for counter in columns

for c in columns:

# store the state of columns 1 to 5 of each row in var death

death = row[c]

# if death var is null or NO for the specific row

if pd.isnull(death) or death == 'NO':

# continue and do nothing at the moment

continue

# else if var death for the specific row is yes

elif death == 'YES':

# add one and look for the next column death(n) till all rows are over

num\_deaths += 1

# return this number for each row

return num\_deaths

# add a column 'Deaths to the original dataset and apply the function for all rows (axis =1)

true\_avengers['Deaths'] = true\_avengers.apply(clean\_deaths, axis=1)