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import csv

CompAgeAnnotDict = {}

with open('GPL570AgeData.csv', newline='') as csvfile:
    AgeAnnotReader = csv.reader(csvfile, delimiter=',', quotechar='"')
    for row in AgeAnnotReader:
        CompAgeAnnotDict.update({row[0]:(row[1], row[2])})

ManAgeAnnotDict = {}

with open('gpl570.gsm.tis-sex-age.v4.csv', newline='') as csvfile:
    ManAgeAnnotReader = csv.reader(csvfile, delimiter=',', quotechar='"')
    for row in ManAgeAnnotReader:
        ManAgeAnnotDict.update({row[1]: row[4]})

AggGSM = []

for ManGSM in ManAgeAnnotDict:
    for CompGSM in CompAgeAnnotDict:
        if CompGSM == ManGSM:
            if CompGSM in AggGSM:
                pass
            else:
                AggGSM.append(CompGSM)
        else:
            pass

with open('CombinedAgeTable.csv', 'w', newline='') as csvfile:
    CombinedAgeWriter = csv.writer(csvfile, delimiter=',', quotechar='"',
    quoting=csv.QUOTE_MINIMAL)
    for GSM in AggGSM:
        CompAgeUnit = (CompAgeAnnotDict.get(GSM))[1]
        CompAgeUnitString = ""
        if CompAgeUnit == "UO:0000036":
            CompAgeUnitString = "years"
        elif CompAgeUnit == "UO:0000032":
            CompAgeUnitString = "hours"
        elif CompAgeUnit == "UO:0000033":
            CompAgeUnitString = "days"
        elif CompAgeUnit == "UO:0000034":
            CompAgeUnitString = "weeks"
        elif CompAgeUnit == "UO:0000035":

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    CompAgeUnitString = "months"
else:
    CompAgeUnitString = "NA"

if (CompAgeAnnotDict.get(GSM))[0] == "NA":
    CombinedAgeWriter.writerow([GSM, (CompAgeAnnotDict.get(GSM))[0],
CompAgeUnitString, ManAgeAnnotDict.get(GSM), "No"])
    elif (CompAgeAnnotDict.get(GSM))[0] == ManAgeAnnotDict.get(GSM):
        CombinedAgeWriter.writerow([GSM, (CompAgeAnnotDict.get(GSM))[0],
CompAgeUnitString, ManAgeAnnotDict.get(GSM), "Yes"])
    else:
        CombinedAgeWriter.writerow([GSM, (CompAgeAnnotDict.get(GSM))[0],
CompAgeUnitString, ManAgeAnnotDict.get(GSM), " "])
```