

 [emmaredfoot](#) / [RAVEN_APS](#)

Branch: master ▾

[RAVEN_APS](#) / [convert_multiple_histories.py](#)[Find file](#)[Copy path](#) **emmaredfoot** First Commit of APS Raven work bc061f5 3 hours ago

1 contributor

35 lines (28 sloc) | 1.3 KB

```
1 def multipleHistories(filename, season):
2     lines = open(filename, "r").readlines()
3     header = lines.pop(0)
4     demand = []
5     hours = []
6     for cnt, line in enumerate(lines):
7
8         if line.strip().split(",")[0].strip() == "23":
9             # first line
10            start_counter = cnt
11        elif line.strip().split(",")[0].strip() == "00":
12            # last line
13            demand.append([float(lin.strip().split(",")[1]) for lin in lines[start_counter:cnt+1] if len(lin.strip()) > 0] )
14            hours.append([int(lin.strip().split(",")[0]) for lin in lines[start_counter:cnt+1] if len(lin.strip()) > 0] )
15
16        for hist_cnt in range(len(demand)):
17            f_obj = open(season+str(hist_cnt)+".csv", "w")
18            f_obj.write(header.rstrip().strip()+"\n")
19            for ts in reversed(range(len(hours[hist_cnt]))):
20                f_obj.write(str(hours[hist_cnt][ts])+", "+str(demand[hist_cnt][ts])+"\n")
21            f_obj.close()
22
23        InputFile=open("raw_data_"+season+".csv", "w")
24        InputFile.write("scaling,filename+"\n")
25        for hist_cnt in range(len(demand)):
26            InputFile.write("1"+", "+season+str(hist_cnt)+".csv+"\n")
27        InputFile.close()
28
29
30
31 Spring=multipleHistories("SpringEIA.csv", "spring_")
32 Summer=multipleHistories("SummerEIA.csv", "summer_")
33 Fall=multipleHistories("FallEIA.csv", "fall_")
34 Winter=multipleHistories("WinterEIA.csv", "winter_")
```