Project 5.32. Web Scrapping on Air Quality

Requirement: submit a code to realize the following function:

1. Get all air quality information for all cities and in all years from this website:

https://www.aqistudy.cn/historydata/

1. Return a csv file for a list of air quality with all information, including but not limited to:
   1. Year
   2. Month
   3. AQI
   4. Range
   5. Air quality level
   6. PM2.5
   7. PM10
   8. SO2
   9. CO
   10. NO2
   11. O3

Codes will be graded based on:

1. The format of the codes
2. The organization of the csv file
3. The speed of the codes
4. The extendibility of the codes

Estimated completion time: 30 hours. Time consumption depends on the codes’ quality.

Suggestive points:

Deadline:

Bonus points:

1. Work completion one day before the deadline will generate an extra 20% bonus.
2. Slides to explain the codes will give 50 points/page

Penalty:

1. Late delivery/missing deadline will incur -10% of finally determined points of the whole project per missing day.
2. Serious mistakes that made the submitted results not useful will incur -120% of the whole project.