Weakness and improvement of the model:

1.Weakness:

（1） In the assumption section, we assume that each college student chooses jobs only based on wage, working time, distance, whether to accept offline ,the difficulty of the job, ignoring the influence of gender and grade on summer job choosing.

（2） In the assumption section, we assume that each college student doesn’t care about the time and cost on the way, which is imprecise . We fail to find relevant data ,but we hope this aspect be quantified and included in our evaluation.

(3) In the assumption section ,we assume that each college student will be able to perform all of a certain intensity of jobs(example : Q=3 means the student has the ability to finish all of this kind of job ,no matter the job is modeling or essay writing),which is too ideal:The same intensity of work may require college students to master different types of skills that we deliberately ignore in the modeling process.

(4) . In the modeling section, we have to assume 10,000 jobs because we did not find yearly statistics on the number of summer jobs. if we can find relevant studies, the number of jobs can be more precise.

(5) In the modeling section, since we didn’t find any method to nondimensionalize data, the judgment matrix from the middle level to the factor level was difficult to construct. Thus, we take gray correlation analysis as a reference. The following is

the relevant reference of gray correlation analysis .

https://www.bilibili.com/video/BV1DW411s7wi?p=58

https://blog.csdn.net/starter\_\_\_\_\_/article/details/82085040?ops\_request\_misc=%257B%2522request%255Fid%2522%253A% 2522160594077419725222404891%2522%252C%2522scm%2522%253A%252220140713.130102334.pc%255Fall.%2522%257D&request\_id= 160594077419725222404891&biz\_id=0&utm\_medium=distribute.pc\_search\_result.non-task-blog-2~all~first\_rank\_v2~rank\_v28-4-82085040.pc \_search\_result\_cache&utm\_term=%E7%81%B0%E8%89%B2%E5%85%B3%E8%81%94%E5%88%86%E6%9E%90%E6%A8%A1%E5%9E%8B&spm=1018.2118.3001.4449

2.Improvement

In the assumption section , we have assumed that

(1) The more wage, the better job.

(2) The less time, the better job.

(3)The less distance, the better job.

Based on these three assumptions, we believe that the weighting of the three criteria can be solved by using gray correlation analysis (see above), which can greatly simplify the calculation and improve the accuracy.