

Task 3.3

First approach

First of all, the calculation of the blue values seems a bit odd. After recalculating all values we found out that the blue values have been calculated through the absolute numbers of applicants and admissions. Recalculation with the percentages we get a male admission rate of 38.16% and a female admission rate of 41.6%, which seems way more correct.

Interestingly enough I followed a second approach because I supposed that it was an outlier problem because of the 82% of the female admissions in subject A. Turns out that this outlier acts in advantage of their percentage but I will leave it here anyways.

Second approach:

At first glance the numbers seem very even but the ranges of the admission percentages are odd. The interval of the male admission is 62 to 6 %. The Female admissions range from 7 to 82 %. That means if we calculate the difference between the admission rates within one subject we get:

A: 20%

B: 5%

C: 3%

D: 2%

E: 4%

F: 1%

The only outlier is subject A. If we eliminate that subject the new values are:

male students: 1866

Male admission: $684/1866 = 36.65\%$

female students: 1835

Female admission: $554/1835 = 30.19\%$