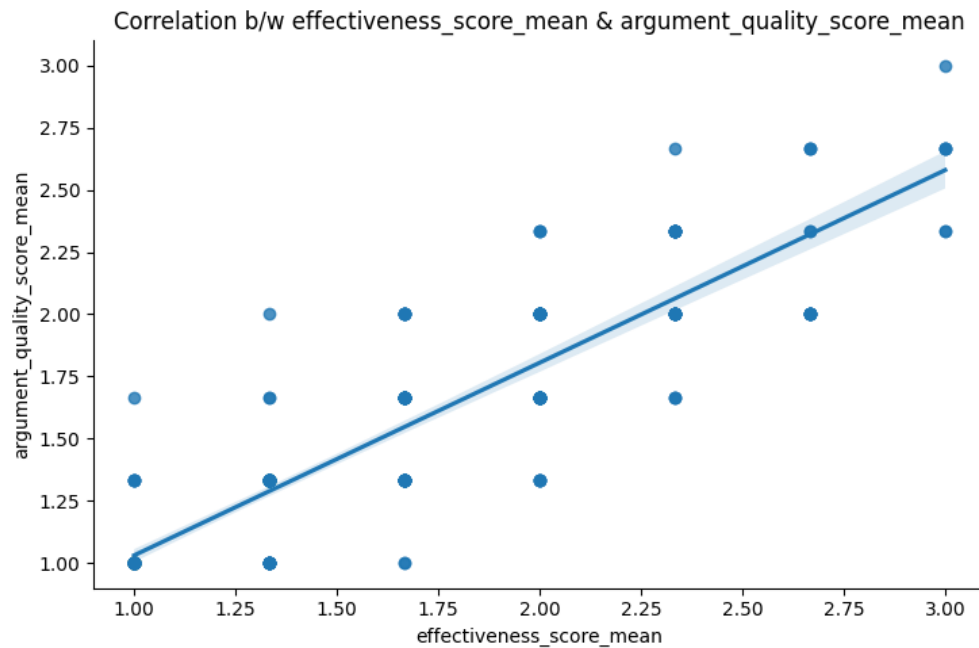# Statistics

Group: Alt F4

1. Correlation between argument quality score and effectiveness score

We took mean of argument_quality_score and effectiveness_score, and plotted a scatter plot between them.

We found out a strong correlation between them (co-relation score - 0.89). Therefore, we can assume that if the argument quality is high, the effectiveness score is also high and vice-versa.

2. Histogram for number of argumentative and non-argumentative annotations per issue

We are interested to look at how many records are marked argumentative or non-argumentative per issue by the annotators.

We observed that far fewer arguments were classified as non-argumentative as compared to argumentative and thus, we have more data per issue to calculate the effectiveness and quality scores.

No.of argumentative vs non-argumentative texts per argument