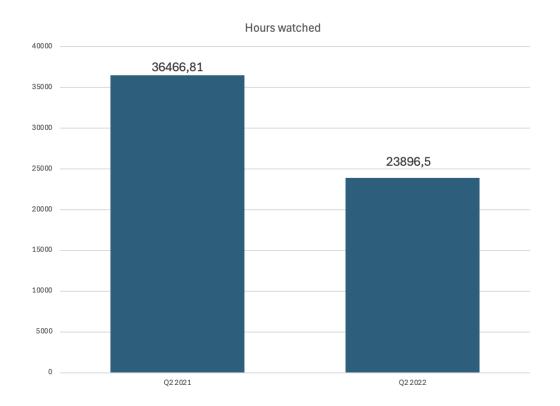
## A3.3 MBAN Assignment

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The online learning platform introduced new features in late 2021, including career tracks, practice exams, and expanded course offerings. While the platform successfully attracted new users, the overall engagement, as measured by total hours watched, decreased from 4.77 hours per user in Q2 2021 to 2.7 hours per user in Q2 2022.

Despite a significant 15.73% increase in unique users from Q2 2021 to Q2 2022, we observed a 34.2% decrease in total hours watched, from 36,466.81 hours in 2021 to 23,896.50 hours in 2022. The primary question is whether the new features were effective in increasing student engagement, as hypothesized. Moreover, there is no information provided on what is the plan\_id for free and paid subscriptions. (In the case the plan\_id is 0 for the free subscriptions and the others for paying subscriptions, look at the graph in the appendix for more information, otherwise ignore it).



The probability that a student has watched a lecture in Q2 2021, given that they've watched a lecture in Q2 2022 is 7.23%. In addition, only 5.46% of users registered before June 6, 2021, remained active in 2022. This indicates a significant drop in user retention, which could be attributed to various factors, including the effectiveness of the new features or the quality of the content.

Taking into consideration that certificates are only registered in Q2 of 2022 and that it averages 8.54 days to complete a course, we can state that certifications are one of the new features added. Therefore, in Q2 2022, in April, there were issued 586 certificates, and 9073.28 hours were watched, in May 527 certifications, and 7420.34 hours were watched, and in June 638 were issued and 7403.12 hours were watched. From this information the correlation between hours watched and certificates issued is 0.0274, showing that there is no correlation between certificates issued and hours watched.

Therefore, we reject the hypothesis, the features increased the number of students interested in the course and the attraction to new students, but it decreased the engagement of older students. In other words, the platform and the new features added were effective in attracting new students, but not in retaining them.

## **Actionable Insights**

While the new features have attracted new users, they have not been effective in retaining existing users or increasing overall engagement. To identify what are the areas of improvement we need to review the UI and UX, to identify the areas of improvement.

The decline in hours watched can be of potential issue with the platform's user experience. The online platform should conduct user research and usability testing to identify pain points and areas for improvement. The platform should focus on creating high-quality, relevant content that aligns with user needs and interests. In addition, regular introduction of new features and a diverse range of content formats can help to maintain user engagement.

## **Appendix**

