

This study examines findings based on 31 participations and accomplishments in different educational settings, which we believe contribute to research and practice to a certain degree across the educational field. For example, our limitations (the relationship between participation and outcome in BL and BLWI) should be investigated in future studies in a larger sample. In summary, this study provides a reference for future research on blended learning and, to some extent, also provides guidance for the practice of teaching in blended learning. a) Blended learning with intervention can improve student engagement and achievement compared to blended learning without intervention, and there is only a statistical difference in student achievement. The study shows that the blended learning model with learning analytics can, to some extent, give full play to the advantages of online learning, making the blended teaching model even better. Specifically, our research shows. However, some questions deserve further study in the future.