

## **Abstract**

**Title:** Analysis of selected performance parameters of the Czech U-19 football league in the European context

**Objectives:** The aim of this bachelor thesis is to analyze and compare the performance parameters between the Czech youth football league and selected youth leagues.

**Methods:** The study compared six U-19 youth leagues using contextual data from the Wyscout platform. A total of 18 parameters were analyzed across all matches of the 2023/2024 season, including passes, shots, playing systems, and defensive intensity. Data was processed using Microsoft Excel, calculating average values for each team and determining the mean and standard deviation across leagues for the analyzed parameters. Hedges's  $g$  was utilized to assess the significance of differences between leagues.

**Results:** The study revealed that the Czech youth football league features the highest number of duels ( $243 \pm 10$  duels), significantly more than in the Italian and Danish youth leagues ( $g > 0.5$ ). Furthermore, the Czech league has significantly fewer passes per match ( $332 \pm 49$  passes) compared to other leagues except the Slovakian league ( $g > 0.5$ ). Conversely, in the case of long passes, the Czech league achieves significantly higher values than other competitions ( $g > 0.5$ ). In terms of finishing efficiency ( $G/xG$ ), the Czech league ranked second to last with a value of  $106 \pm 20.2\%$ . The Czech youth league also recorded the lowest value of passes allowed per defensive action (PPDA;  $8.3 \pm 0.8$ ), significantly less than in the German, Italian, and Danish youth leagues ( $g > 0.5$ ).

**Conclusion:** The analysis of performance parameters in the Czech youth football league identified several key characteristics that differentiate it from other European youth leagues. Based on the findings, it is recommended to reduce emphasis on quick transition to attack and instead promote longer ball possession and patience in preparing attacking situations. Furthermore, focusing on shooting training in game situations, especially within the penalty area, would enhance finishing efficiency.

**Keywords:** contextual data, Wyscout, football, data analysis, playing style