

Probabilistic forecasts for the UEFA Euro 2020 are obtained by using a hybrid model that combines data from

The UEFA Euro 2020 will finally take place across Europe from 11 June to 11 July 2021 (after a year of delay). fans worldwide are curious what the most likely outcome of the tournament is. Hence, we employ a machine learning model of the tournament by simulation.

[UEFA Euro 2020 logo](#)

## Winning probabilities

The forecast is based on a conditional inference random forest learner that combines four main sources of information: 19 bookmakers; average ratings of the players in each team based on their individual performances in their last season; economic factors (population, GDP). The random forest model is learned using the UEFA Euro tournaments from 1960 to 2016. The random forest forecasts actually provide the predicted number of goals for each team in all possible matches in the tournament. Based on these match probabilities the entire tournament can be simulated 100,000 times to yield the winning probabilities for each team. The most likely European title winner is France with a winning probability of 14.8%, followed by England with 13.5%, and Spain with 12.3%. The full version of the forecast is available in the interactive graphic below.

[Interactive full-width graphic](#)

