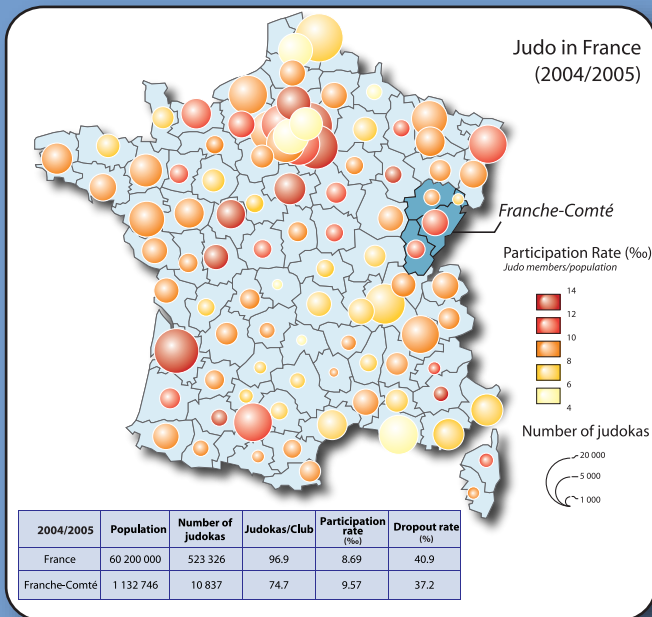


# Geographical Analysis of Judo's Dropout

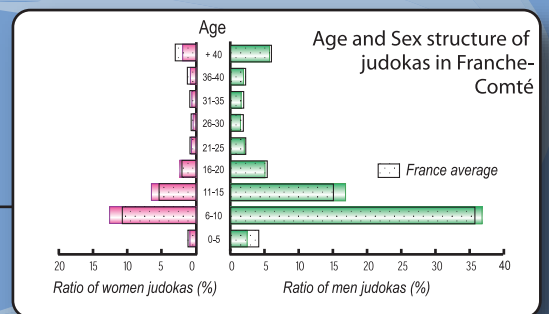
Judo is the third most popular sport in France, with more than 500 000 club members, but has experienced a significant turnover: 41% of judokas give up the sport every year. Reducing the dropout rate is a necessity for the judo federation. A geographical analysis applied to the Franche-Comté judo league allows a better identification of clubs requiring management assistance.



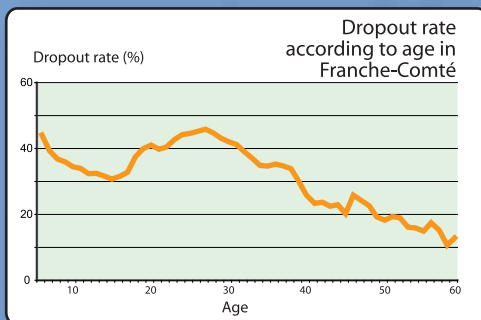
## A popular sport ...

Franche-Comté is a region situated in the east of France. Judo is well established with a participation rate of over 10 club members per 1000 inhabitants and a dropout rate lower than the national average (37.2%).

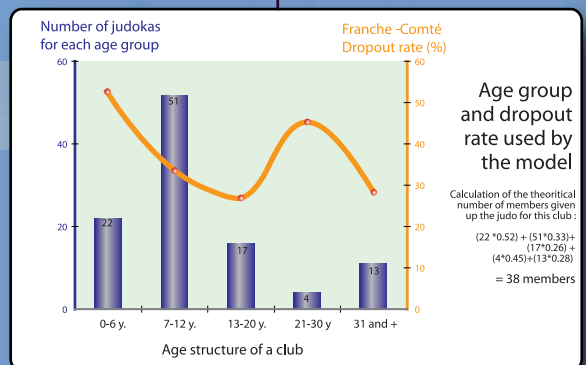
Judo is mainly taken up by children. The average age is 13. In Franche-Comté the youngest judokas are over represented.



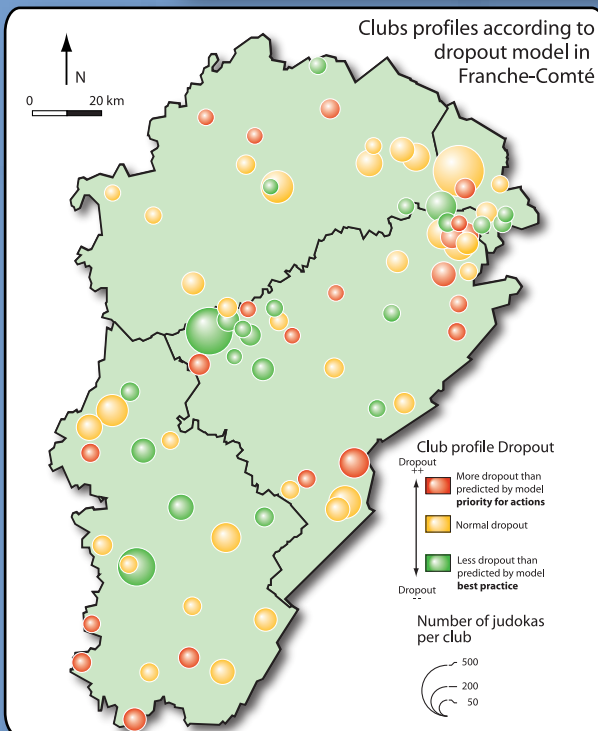
## ... but subject to dropout



Age is a major factor in dropout. Thus, children are particularly concerned, while amongst adults dropout is low. So a club's dropout rate depends on its age structure. A statistical model applies the regional dropout rate to each club for the different age groups. A theoretical number of members given up the sport is estimated and compared to the actual figure.



The clubs in red have a dropout rate much higher than that predicted by their age structure. They are priorities for actions to retain members. Inversely, the clubs in green show a dropout rate much lower than the average and may serve as models of good practice.



This analysis was carried out by the Franche-Comté Judo League, which can now use these indicators to target and optimise its actions for clubs (improving facilities, creating new opening times, enlarging the range of activities, etc). These targeted activities help to diminish effectively the impact of dropout amongst club members.

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