DATA MATCHING METHOD, APPARATUS AND SYSTEM, AND DEVICE AND MEDIUM

ABSTRACT

Provided in the present application are a data matching method, apparatus and system, and a device and a medium. In the present application, a first vector corresponding to first data and a second vector corresponding to second data can be respectively obtained, and a binary vector corresponding to the first vector is obtained; a first intermediate vector, which is generated on the basis of the binary vector corresponding to the first vector, and the second vector and a first random vector, can be acquired by means of an OT protocol, and a first distance intermediate result is obtained on the basis of the first intermediate vector and a first set algorithm; a second distance intermediate result is obtained on the basis of the second vector, the first random vector and a second set algorithm; a target distance between the first vector and the second vector is determined on the basis of the first vector, the first distance intermediate result and the second distance intermediate result; and on the basis of the target distance and a preset first distance threshold, whether the first data and the second data match each other is determined. Therefore, fuzzy matching between first data and second data can be realized, usage scenarios are broadened, and the security of a matching process is guaranteed.

Fig. 1