

# **The study of analyzing digital divide with data mining technique and setting up the cloud-platform to improve it**

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## **Abstract :**

With science and technology advancing day after day, it appeared more and more digital products on market that we have never imagined in the past. Due to computer education popularized, the new generation of young men have little obstacle to use digital product. However, the elder parents have more exclusion to the information equipment which they have never used.

We did telephone interview to investigate the digital ability of parents and ask them how much they understand their children's usage of digital products. In the end, we use cluster analysis and discriminant analysis of Data Mining technique to execute our research and combine cloud technique to set up a digital platform for parents.

According to our study, the parents whose age is above 30 years old, the degree of digital divide is related to sex, age, residence region, education level, family structure, parent-child relationship and the question about whether people use computers on the work, etc. We will not only provide suggestions for industrial, government and academia based on above conclusions but also provide some advice to follow-up researchers.

**Key Words :** Digital divide 、 Cloud platform 、 Data Mining 、 Parent-Child Relationship