

[P18] Statistical analysis of Rental of library books

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We analyzed the data of the book rental of the Inha University's library, to obtain the features of the book rental and relationship between with user of library. This data is 2,816,624 of the book rental of the 10 years of data from 2004 to 2015. First, to determine the distribution of rental number and rental period based on the books and users to confirm its characteristics. And obtain an interval of distribution of the rental period to see how often Rental book and how often users use the library. Most of the distribution looks the exponential decrease, but they did not follow the power law. However, some of the distribution is follow the power law.