Using R for Mining Graph Data

Radosław Kita

Grupa Onet.pl SA radoslaw.kita@portal.onet.pl

Keywords: web mining, graph theory

One.pl is the biggest internet portal. We notice 5 billion page views, 400 milion visits and 70 million unique browsers each month. Visits, or in other words the paths, where users roam our website are an irreplaceable source of knowledge about how our resources are used. Show what data are most interesting for users, and at the same time expose weaknesses in the design of web pages. Unfortunately, the visits are very diverse and largely unique. And so difficult to make an analysis. I want to show how graph theory can be used for rapid retrieval of similar pieces of visits. Using the data mining techniques, implemented in *R* and using the rich graphics capabilities of *R*.

References

CookDJ (2007). Mining Graph Data.

HanJ (2006). Data Mining. Concepts and Techniques.