

Data mining techniques and their application for the Yellow River

HUAIZHONG KOU & YUGUO NIU

Yellow River Water Conservancy Commission, No.11, Jinshui Road, Zhengzhou, 450003, China
hzkou@yellowriver.gov.cn

Abstract The increasingly perfected network of hydrological measurements of the Yellow River has accumulated a very large volume of hydrological data since the harnessing of the river commenced 60 years ago. As a key technology of knowledge discovery, data mining has successfully been applied to lots of fields where abundant historical data are available. It is also interesting to fully exploit data mining technologies to discover some rules from historical hydrological data and provide support for harnessing of the Yellow River. This paper makes a survey of data mining technologies and discusses some hydrological problems of the Yellow River that can be investigated using data mining technologies.

Key words data mining; hydrology; Yellow River
