Abstract

Predictive analytics is a field of data mining which extracts information from the past and use it to predict the future trends. This paper establishes the importance of predictive analysis. In this paper, we present a system to analyse user stories incorporating the data of energy and health demands of four countries – namely India, China, United States of America and Brazil; for the past 30 years, depict them graphically using Business Intelligence and finally predict the future trend of the parameters. The correlation between various entities is found out using Pearson’s coefficient. Finally we can see the predicted values of 30-40 years ahead and predict the emerging trends in the form of Power View charts. We present lessons learned and future directions for improving the user in the loop workflow for predictive analytics.

References

- Fern Halper, 2014. "Predictive Analytics for Business Advantage", TDWI
Research.

Index Terms

Computer Science

Information Sciences

Keywords

Predictive Analytics  Regression Analysis  Health and Energy Demands