Abstract

This paper has searched for an appropriate regression model to compare and predict the stock prices of three petroleum-related business enterprise listed in Hong Kong Stock Exchange Market but based in China, which are Sinopec Corp. (386), PetroChina Company Limited (857), CNOOC Limited (883). By figuring out the relevant independent factors such as Hang Seng Index, H-Share Index, etc., this paper formed a relevant regression model to evaluate the current price and to forecast the future price of these stocks.

**Index Terms**

Computer Science

Information Science

**Keywords**

Ddm  Crude Oil  Reliability  Statistical Tests.