

Exploratory Data Analysis & Comparison of different Regression models on Production, Trade and Supply of Energy data

Abstract

Throughout the world, ever since the invention of motor vehicles and trains took pace, most energy sources for doing work are non-renewable. These energy sources are called so because their supplies are limited to the amounts that we can mine or extract from the earth. Coal, natural gas, and petroleum formed over thousands of years from the buried remains of ancient sea plants and animals that lived millions of years ago. It is important that researchers gain insights upon the trends in growth of production, trade, and supply activities worldwide to understand the need of conservation of these limited resources. The aim of this project was to explore available data on the above-mentioned area using sophisticated exploratory data analysis (EDA) and compare different possible regression methods to model the same.