

Big Data in Commodity Trading :

Easton Research has a strong grounding in technology. Easton keeps abreast of advancements in technology and incorporates new approaches such as NoSQL storage platforms, distributed and cloud computing platforms, advances in data exploration tools, programming languages , algorithms and evolving computing platforms and technologies such as mobile, unstructured text, natural language programming and aural interfaces with a view to incorporating them into research efforts.

Unstructured / Natural Language Processing:

Easton uses tools such as natural language processing and full text search to gain insight in to unstructured data. These tools enhance traditional structured data tools.

Deep Learning in Energy Trading :

Deep learning is a new evolving area of technology at Easton. Current efforts span Ensemble modeling , Neural Networks, Deep Learning using techniques such as Convolutional Neural Networks (CNNs), Deep Belief Networks, Random Forests, Bagging and Boosting techniques. Insights are developed using a Time Boxed innovation approach where incremental improvements are made continually to models and resulting insights.

Statistics in Energy Trading :

Easton Research has deep statistics capabilities. Traditional methods and new advances in the area of statistics such as bayesian statistics, ensemble methods, model selection , dimensionality reduction techniques are used to generate descriptive and inferential statistics. These statistics are communicated to traders in a concise and timely manner to identify profitable opportunities and aid in trading decisions.

Market Insights using Machine Learning :

Supervised and Unsupervised machine learning plays an integral part in quantitative research at Easton. Our everyday lingo includes terms such as Multivariate and Logistic regression, Learning vector Quantization and Multinomial Naïve Bayes.

Technology

**Easton
Research**