

Energy Trading and Hedging with Statistical and Technical Analysis

Detailed Class Outline

Basics of Trading

- Forecasting/Analysis
- Market Timing
- How Forecasting and Trading Work Together

Charting and Chart Types

- Traditional Charts Types
- New Chart Type (Kase Bars, Renko, Range, Kagi)
- Intraday vs. Daily, Weekly, Monthly

Basic Statistics

- Normal Bell Curves
- Standard Deviations
- Regression Analysis
- Coefficient of Determination

Defining Risk Using Statistics

- Volatility
 - True Range
 - Logarithmic
- Stress Testing
- Risk of Ruin Analysis

Forecasting

- Wave Analysis
- Patterns and Gaps
- Moving Averages

Standard Entry Indicators and Techniques

- MA's, DMI, Swings
- Kase Indicators
- Traditional Entries
- Entry Filtering Techniques
 - Higher Time Frame
 - Multiple Indicators
 - Second Signals
 - Patterns

Standard Exit Indicators and Techniques

- Momentum Divergence
- OBOS
- Stops

Trading Systems

- Basic Three Step Programs
 - Entry
 - Exit
 - Stops
- Determining Bar Length
- Scaling Up in Bar Length
- Adjusting Stops
- Scaling Out and Getting Back In

Fine Tuning Strategies

- Checking Trade Size and Bar Length(s)
- Setting Targets and Reversal Points
- Adjusting Strategy
 - For Patterns
 - Market Conditions
- Determining Check Points

Workshop Exercises

- Energy's Statistically Significant Behavior
 - Defining Measurement Criteria
 - Market Expectations
 - Market Statistical Behavior
 - Maturities
 - Energy Commodities

Developing Strategies for Hedging

- Strategic Issues
 - Determining Risk Appetite
- Hedge Tactics
 - Timing
 - Scaling In
 - Instrument Choice
 - Changing the Hedge

Consumer Strategies Using Cycle Analysis

- Time Cycle vs. Statistical Cycle Analysis
- Four Basic Rules
- Dollar versus Cycle Hedging

Choosing Combination of Strategies

- Trading
- Statistical Cycle Hedging
- Time Cycle Hedging
- Instrument Choice and Mix

Schedule

Day One	Registration and Continental Breakfast	8:30	9:00
	Introduction and Basics of Trading	9:00	9:30
	Charting and Chart Types	9:30	10:15
	<i>Break</i>	<i>10:15</i>	<i>10:35</i>
	Basic Statistics	10:35	11:15
	Defining Risk Using Statistics	11:15	12:00
	<i>Catered Luncheon</i>	<i>12:00</i>	<i>12:45</i>
	Forecasting	12:45	2:30
	<i>Break</i>	2:30	2:50
	Standard Entry Indicators and Techniques	2:50	3:30
	Standard Exit Indicators and Techniques	3:30	4:30

Day Two	Continental Breakfast and Q/A	8:00	8:30
	Trading Systems	8:30	9:10
	Fine Tuning Strategies	9:10	10:00
	<i>Break</i>	<i>10:00</i>	<i>10:20</i>
	Combining Strategies with Trading	10:20	11:00
	Workshop Exercises	11:00	12:00
	<i>Catered Luncheon</i>	<i>12:00</i>	<i>12:45</i>
	Energy Statistical Behavior	12:45	1:15
	Developing Strategies for Hedging	1:15	2:00
	Consumer Strategies Using Cycle Analysis	2:00	2:30
	<i>Break</i>	<i>2:30</i>	<i>2:50</i>
	Choosing Instruments and Combination of Strategies	2:50	4:00