The Actuarial Profession making financial sense of the future

#### LLOYD'S AND LONDON MARKET SEMINAR

### 27 JULY 2007, LONDON

Performance Information Packs Shamit Biswas, Markus Gesmann

# Agenda

- Introduction to Market Analysis at Lloyd's
  Performance Measurement
- Performance Information Report
  - The concept behind the "Banana Chart" benchmarksThe other bits

#### The Actuarial Profession making financial sense of the fut

The Actuarial Pro making financial ser

# Market Analysis at Lloyd's

"Improve, develop and supply management information to enable effective performance management"

2007 Franchise Business Plan

1

# Performance Measurement

### Market Analysis at Lloyd's involves:

- Monitoring of Business Plans
- Price Monitoring
- Portfolio Analysis
- Cycle Management
- Data Management

# The ways in which FPD monitors managing agents' performance:

- Comparison against the market
- Comparison against individual plan
- Comparison against the Lloyd's view

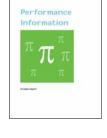
The Actuarial Profess

The Actuarial Prof making francial ser

# Performance Information

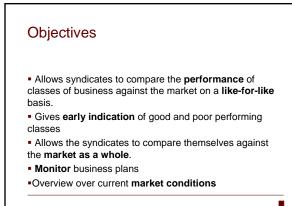
### Performance Information

- Quarterly
- Report is tailored to each syndicate
- Relative UW performance against the Lloyd's Market
- IBNR Usage
- Rate Movements
- Market Review

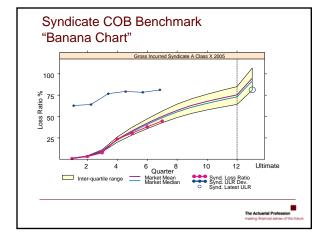


The Actu making for

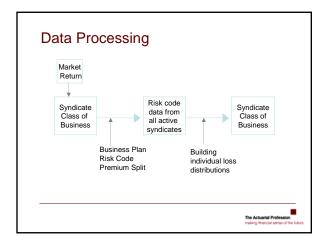
LLONDS



The Actuarial Profession making francial sense of the fut









# Ranges around the market mean via simulation. Why?

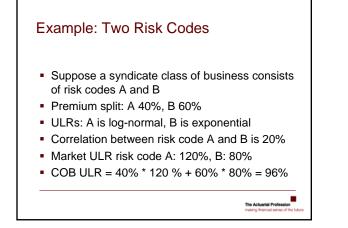
- Not all classes have enough data
- Not all classes have enough peer syndicates
  Fine Art, Kidnap and Ransom, etc.
- New YOA wouldn't have a sensible range
  Everyone plans for similar levels of profit

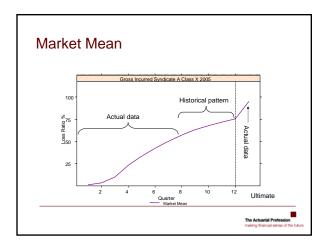
The Actuarial Profession making francial sense of the to

# Recipe for simulations

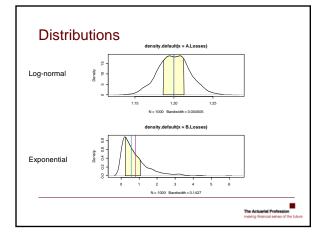
- Need market ULRs by risk code and YOA
- Need risk code premium split for the syndicate's own class
- Need loss distribution for all risk codes
- Need risk code correlation matrix
- Start with multivariate normal distributed random figures
- Transform them into desired distributions
- Take linear combination of the risk code results

The Actuarial Profession

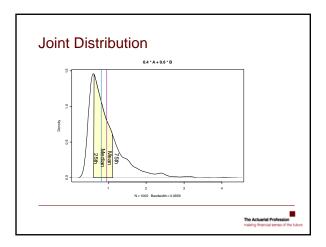




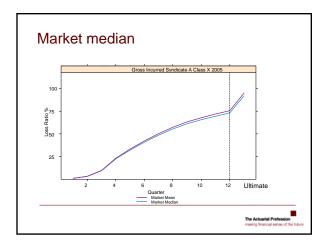




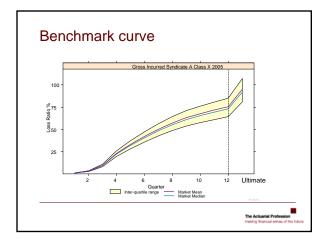




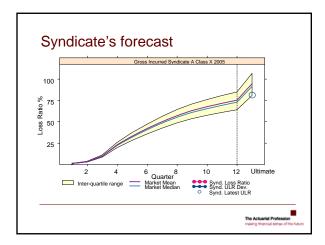




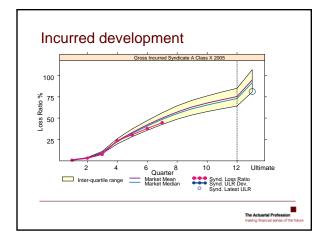




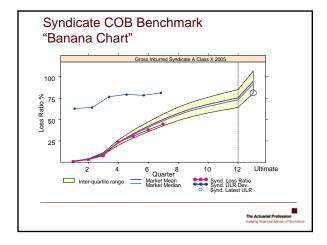




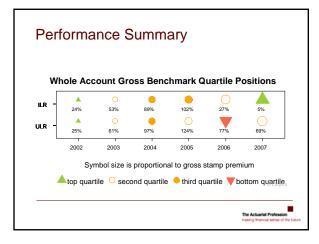




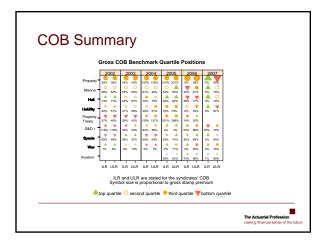




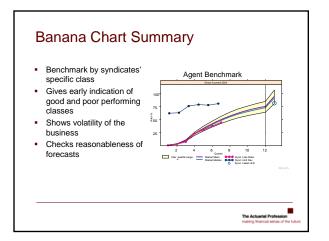




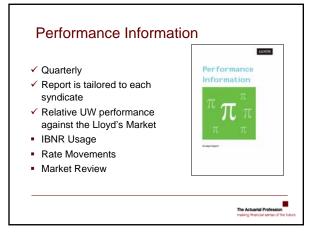


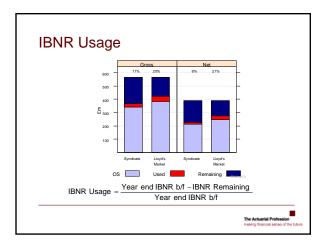


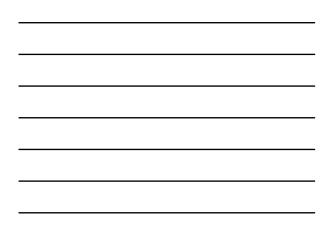


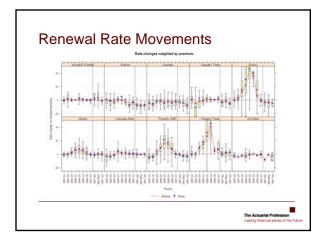














### Market Overview

Lloyd's Class of Business Team provides:

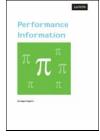
- In-depth analysis by major lines of business
- Current market conditions
- Market trends



- ✓ Quarterly
- Report is tailored to each syndicate
- ✓ Relative UW performance against the Lloyd's Market



- ✓ Rate Movements
- ✓ Market Review





The Actuarial Profe making financial sense