Overview of Lloyd's using R and googleVis

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Why the Google API?

Interactive charts make data fun

I love R for statistical analysis



- Google Visualisation API is easy to use
- Great (sexy?) tool to engage with others on data analysis

Intro to googleVis

 googleVis provides interface to core Google API Charts

- Development started in August 2010
- First draft code was written to visualise Lloyd's data
- Charts are generated and displayed locally

Lloyd's is a dynamic and innovative insurance market

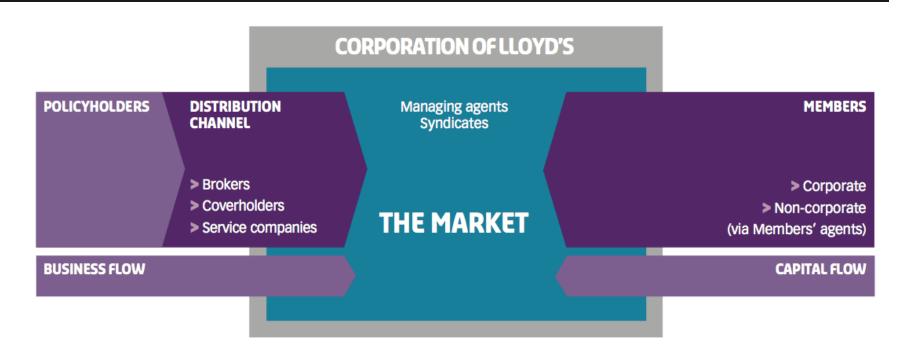


The leading specialty property and casualty insurance market



Home of 88 syndicates, managed by 57 agents, as at 31. December 2011 (Lloyd's Annual Report)

Lloyd's offers efficient usage of capital and expertise



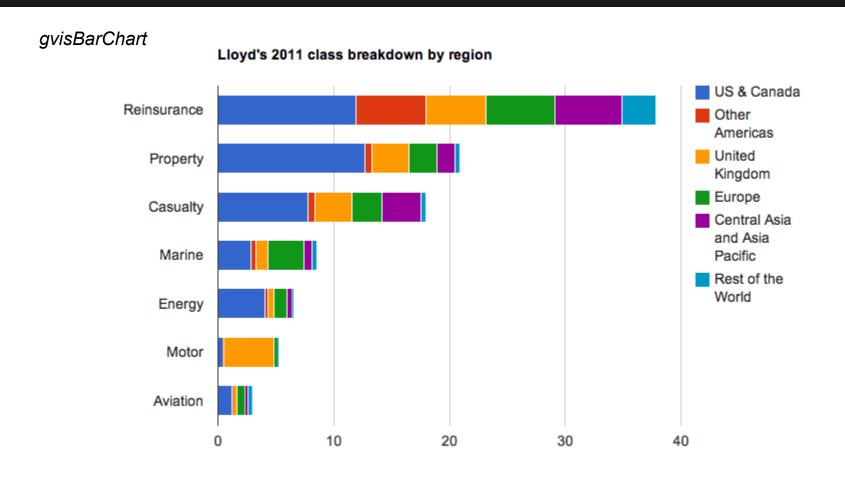
Lloyd's capacity by source and location

Worldwide insurance industry 22% Bermudian insurance industry 10% US insurance industry 17%

UK insurance industry and other corporate 39% Individual members (limited liability) 9% Individual members (unlimited liability) 3%

Source: Lloyd's Annual Report 2011

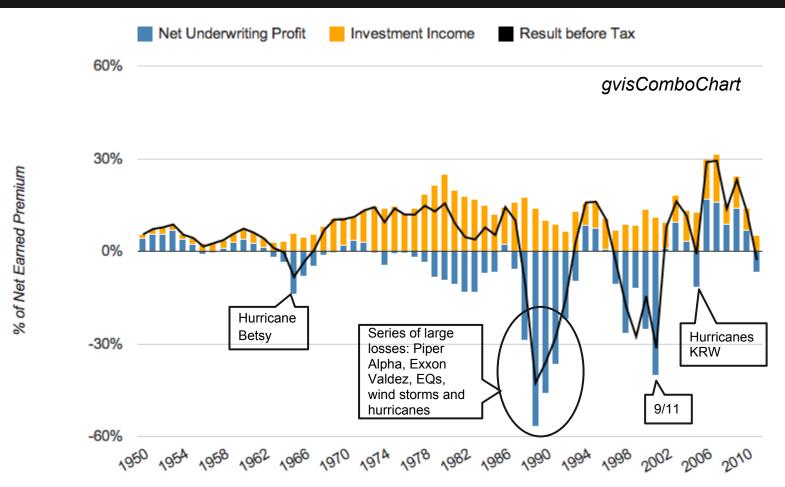
Lloyd's writes a diversified book around the world



Premium split %

Source: Lloyd's Annual Report 2011

Lloyd's has managed its crises in the past

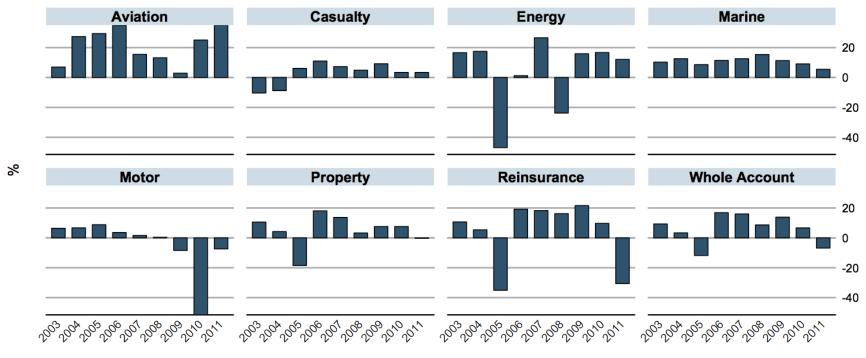


Source: Lloyd's Annual Reports, Statistics relating to Lloyd's 2001; Lloyd's data for 1950 – 1999 on three year accounting (assuming written=earned premium and 18% brokerage), and from 2000 onwards on annual accounting basis.

Shows strong underwriting despite catastrophes

Underwriting Profit/(Loss) as % of Net Earned Premiums

latticeExtra, asTheEconomist

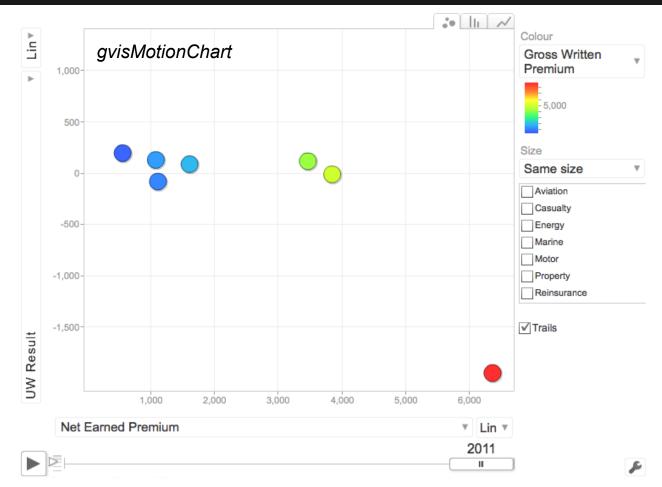


Financial Calendar Year

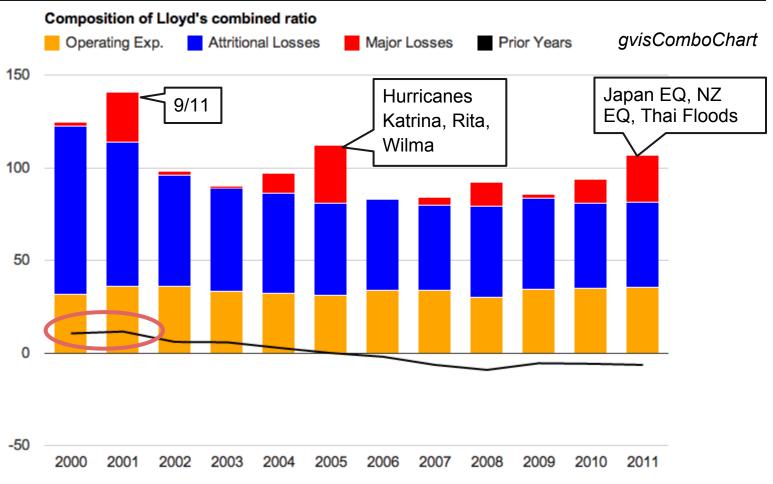
Source: Lloyd's Annual Reports

Look at the dynamics and find stories ...

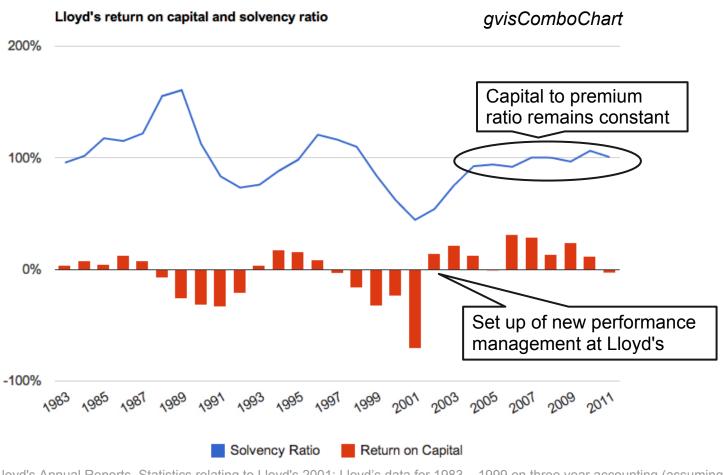
Class of business information



... watch out for the prior years when the CATs come



Better planning pays off



Source: Lloyd's Annual Reports, Statistics relating to Lloyd's 2001; Lloyd's data for 1983 – 1999 on three year accounting (assuming written=earned premium and 18% brokerage), and from 2000 onwards on annual accounting basis.

More data: Statistics relating to Lloyd's



INTRODUCTION

Statistics Relating to Lloyd's is a statistical guide to Lloyd's of London insurance market and provides an easy to use reference for key facts and figures relating to the Lloyd's market.

The guide contains summary financial statements for all active syndicates and detailed statistics on: Lloyd's capacity, premium income, loss ratios, membership, Lloyd's agents, syndicates, brokers and all major lines of business.

The current edition of Statistics Relating to Lloyd's has been extended to include a substantial amount of new content. Most notably, a Syndicate Analysis page is now provided for each syndicate, giving a history of: net and gross premium income, combined ratios, Lloyd's market share and key performance ratios. All otiven by high level classes of business.

Additionally, there are new sections on Lloyd's Historical Global Accounts and Lloyd's Capital. The Aggregate Accounts section has also been extended to include a segmental analysis of the key information presented in that section. Finally, the Claims section now includes triangles showing the development of paid and incurred gross claims.

> Find out more

DOWNLOAD YOUR COPY TODAY

Subscription to Statistics Relating to Lloyd's allows you to download this unique document along with supporting spreadsheets, data visualisation tools and Lloyd's indicative high level premium rate index.

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2012 EDITION COMING SOON

The 2012 edition of Statistics Relating to Lloyd's is due to be published on 17 May 2012. The new edition will contain extended capacity data for all syndicates and all agents and will also contain an updated Premium Rating Index.

Please note: If you require a hard copy of Statistics Relating to Lloyd's, please place your order before 30 April 2012. Hard copies are £35 each. Unfortunately we will not be able to offer hardcopies after 30 April.

DATA VISUALISATION



Get an enhanced view of Lloyd's statistical data with this cutting edge visualisation tool.

> Find out more

PREMIUM RATE INDEX

Subscription to Statistics Relating to Lloyd's also includes access to a high level Premium Rate Index (PRI) developed by Lloyd's Analysis team.

> Find out more

FEEDBACK

Lloyd's Analysis Team is keen to hear your feedback and respond to any queries you might have. If you have any questions or ideas for future editions of Statistics Relating to Lloyd's please email Stats@Lloyds.com

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Conclusions

- Interactive charts help to find stories and messages to drive actions
- googleVis adds interactivity to R
- R and googleVis can foster engagement between business users and data

Links and contact

googleVis

http://code.google.com/p/google-motion-charts-with-r/

Statistics Relating to Lloyd's

http://www.lloyds.com/stats

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