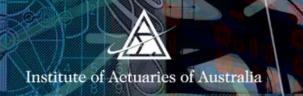


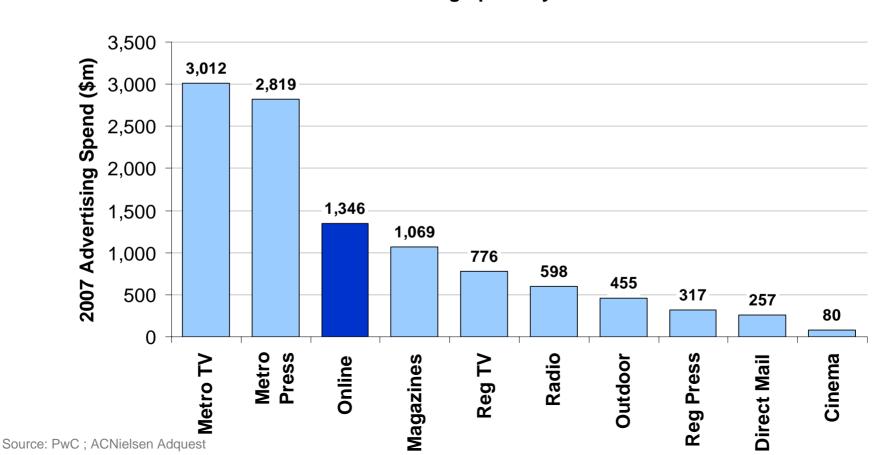
An Actuarial Approach to Internet Search Optimisation

Victor Bajanov



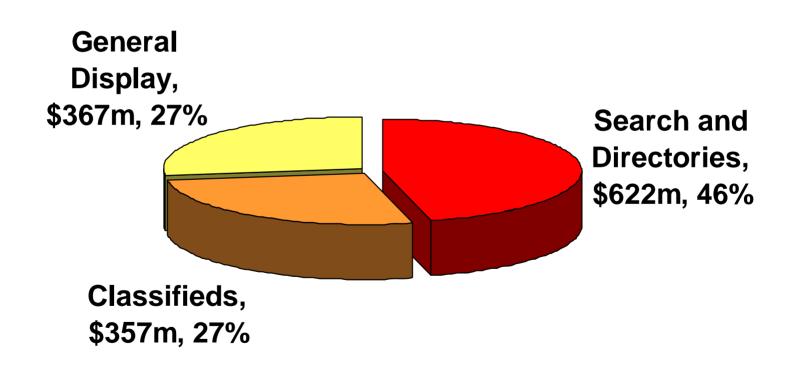
Online accounts for 12% of total advertising spend in Australia

Estimated Advertising Spend by Channel 2007





Search is the biggest category within online



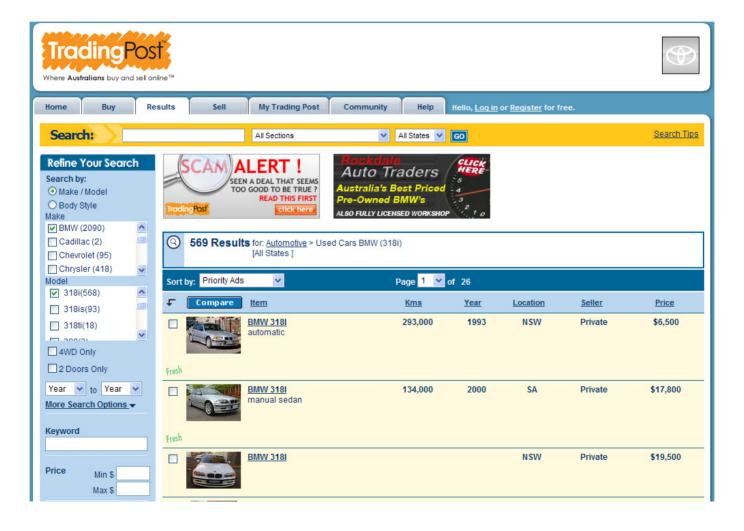


Banner / Inset advertisement





Classifieds





Advertising in online search

Web <u>Images Maps News Video Gmail more</u> ▼		Sign in
Google car insurance Search Preferences Search: • the web • pages from Australia		
Web	Results 1 - 10	of about 55,900,000 for <u>car</u> <u>insurance</u> . (0.06 seconds)
Car Insurance www.budgetdirect.com.au You Could Save \$100's with our Multi Award Winning Car Insurance Real Car Insurance realinsurance.com.au Save extra 5%! 10% cash back after 3 yrs claim-free. Learn more. Bingle Car Insurance Bingle.com.au/Car-Insurance Bingle rewards good drivers with big premium discounts. Get a quote.	Sponsored Links	Sponsored Links Allianz Car Insurance Up to 20% discount - car insurance 2 minute quote online. www.allianz.com.au NRMA Car Insurance
Compare Car Insurance QUOTES: Insure Cheap cover - Captain Compare the cheapest car insurance in Australia for NRMA, RACQ, ING, RACV, FAI. Australias stop for cheap car insurance. www.captaincompare.com/ - 34k - Cached - Similar pages Car Insurance - 1Cover Australian Cheap Online Auto Car Insurance 1Cover Car Insurance Australia offer cheap comprehensive & 3rd party guotes & cover.		Surprise yourself today! Get a competitive estimate online. www.nrma.com.au/car-insurance GIO Car Insurance For Comprehensive Car Insurance At A Competitive Price Visit GIO Today www.gio.com.au

Car Insurance Australia - Young Drivers and Womens Car Insurance ...

1Cover's tailored auto insurance policies mean cheaper car insurance ...

Just Car offers car insurance for young drivers, womens car insurance and owners of high performance and modified cars. Get your online insurance quote now! www.justcarinsurance.com.au/ - 20k - Cached - Similar pages

Car Insurance, Life, Business & Home Insurance

www.1cover.com.au/car/ - 24k - Cached - Similar pages

New South Wales

eCar Insurance

Fast and easy car insurance. Managed by you online 24/7! www.ecarinsurance.com.au

Just Car Insurance

Specialist car insurance for young

Remuneration for search providers

Positions sold by Vickrey auction at a price per click

Provider aims to maximise revenue, i.e.
 (Bid Value) x (# Clicks)

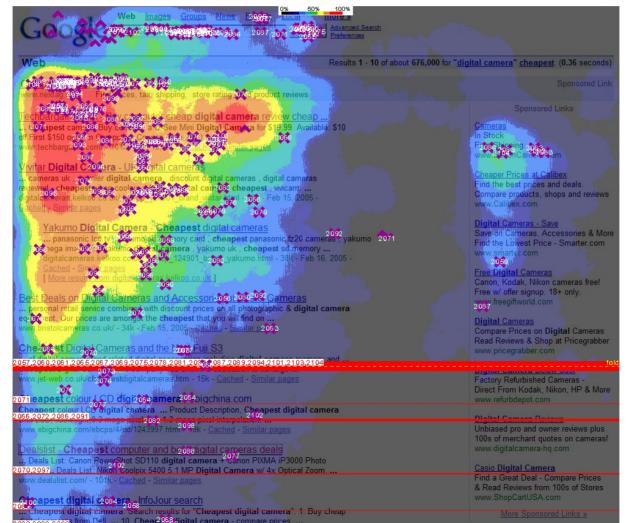


Measuring effectiveness

Manual judgement



Measuring effectiveness - Eyescan



Measuring effectiveness

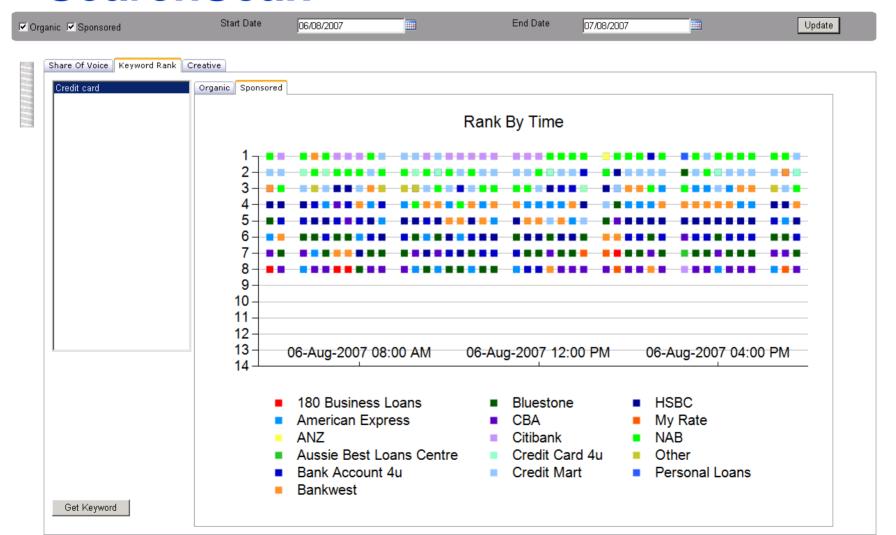
- Average cost per
 - click
 - application
 - sale

Measuring effectiveness - shortfalls

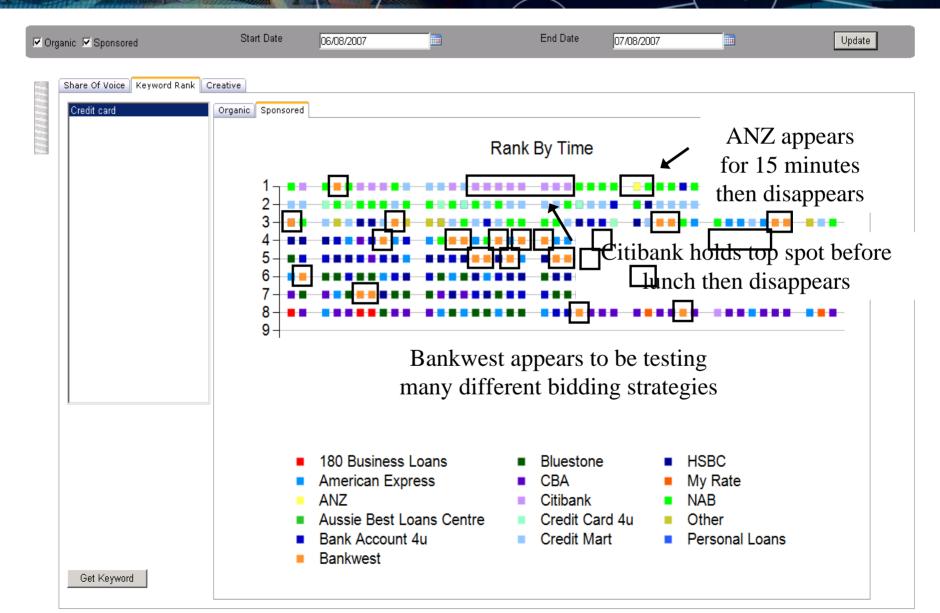
- No visibility of what customer sees
- Slow reaction to competitor movements



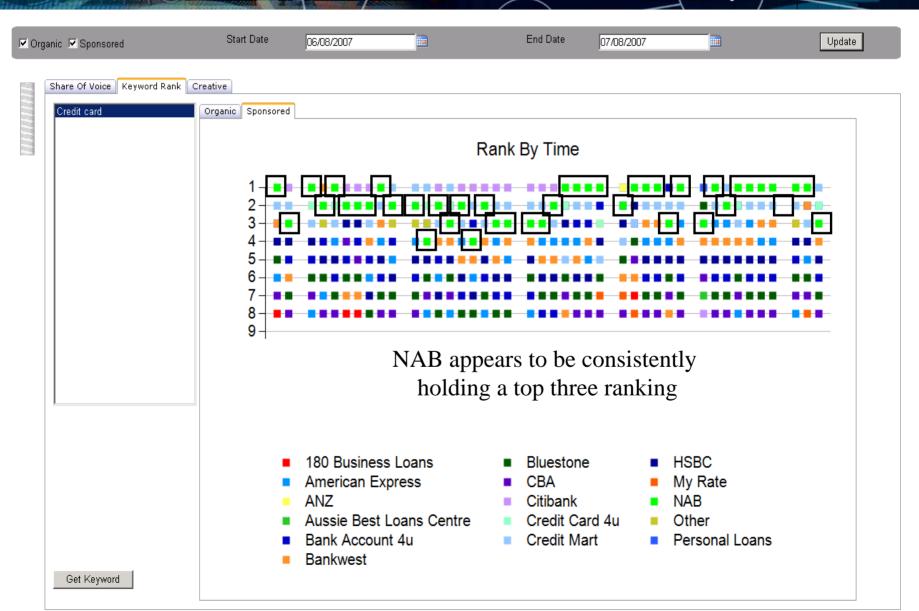
SearchScan











More sophisticated analysis

- Data from SearchScan combined with Actuarial modelling techniques measures the effect of
 - different advertisement text
 - different times of day/days of week
 - bid amounts vs. competitors

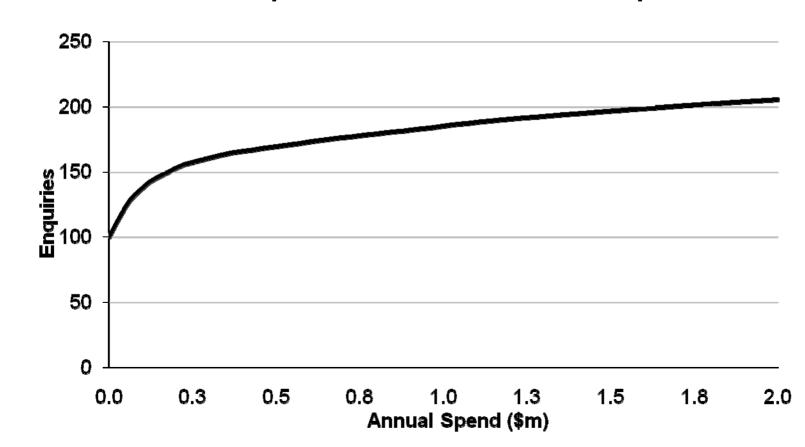
Overall strategy

- Search is just one of many channels, but it is important to consider the entire advertising strategy
 - -TV
 - Radio
 - Press



Overall strategy

Optimal channel mix at different spend



Overall strategy

Optimal channel mix at different spend

