# Meme Mining for Fun and Profit 

## By Broward Horne Deficon 13

## 3-Part Presentation

- Tactical - MemeMiner Parlor Tricks
- Operational - S-curve theory

Strategic - Social Bandwidth

## Dot Com Crash Continues?

Recent layoffs in 2005

$$
\begin{aligned}
& \text { IBM - 13,000 } \\
& \text { Sun - another 5\% } \\
& \text { GM - 25,000 } \\
& \text { GE - "reorganization" } \\
& \text { Alcoa - } 6,500 \\
& \text { Winn Dixie - 22,000 } \\
& \text { Lear - 7,700 }
\end{aligned}
$$

Hypercom
BMC
Krispy Kreme
Cray
DHL
American Express

## What To Do?

- Your time and effort are finite.

The IT market changes constantly.
What skills should you focus on?
A mistake can be costly.

## Me

Why should you listen to me?

- Hacked some systems prior to 1991



## S-Curve

Fundamental business function


## S-Curve

- Rate of change in normal curve


Time S-curve rate-of-change

## Meme Mining Theory

Frequency count is proxy for S-curve

- Monitor technical trends

Ride the S-curve

## Example

## Delphi Programming Language



## Meme Miner

- Simple java program
- Executes sequential queries

Builds chart with query results

## DejaNews Frequency Count

## Rough Proxy for Internet Growth

Dejanews Frequency Count For: 'this have one all them will other'
Meme Miner 1.0
http://www.browardhorne.com


## Major Events



## Historical Graphs

## Delphi



## Historical Graphs

-Work - can you identify the pattern?


## Historical Graphs

## Palladium - rumors precede rise



## Historical Graphs

## Concurrent with stock prices



## Historical Graphs

## Classic S-curve points of interest



## Pre-inflection Graphs

## - Water shortage



## Pre-inflection Graphs

## -Trends in Scripting Languages



## Pre-inflection Graphs

## WI MAX about to explode?



## Pre-inflection Graphs

## $\checkmark$ Wi-fi phone is hot

Dejanews MemeGraph For: 'wifi phone'
Meme Miner 1.1
http: //www. browardhorne.com/mememiner


## Pre-inflection Graphs

## Blogs ( $27 \%$ don't know what it is )

Dejanews MemeGraph For: 'blog'
Meme Miner 1.1
http://www. browardhorne.com/mememiner


## Pre-inflection Graphs

- Inflection tends to be at 50\% point
- Inflection point is maximum hysteria

What can we predict about "blogging"?

## Pre-inflection Graphs

## - RSS Feeds



## Miner Deficiencies

Requires knowledge of trend to test
Subject to manipulation
Not statistically rigorous
Dependent on good keywords
Works poorly for non-technical trends

## Potential Improvements

- Use RSS feeds to catch trend earlier
- Skewing factor for search engines

Extract more abstract relationships

## Internet S-Curve

- Has Internet Growth peaked?

What happens if growth peaks?

## DejaNews Anomaly

## Market saturation?



## Social Bandwidth

- People have finite bandwidth
- People have finite storage

Shared context impacts bandwidth

## Cost of Information

## - Marginal Cost versus Marginal Return

Marginal Return Falls
Marginal Cost Rises
As "low-hanging" fruit is picked,
Disappears

## Cost Versus Price

## Diversity versus Cost



## IT Trend Change

- Marginal cost exceeds return


Information Technology

## Other Signs

## Comdex shows no recovery



