



# Emotion and rationality in annual reports: A semantic domain analysis

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# Outline

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- Discourse analysis
- Previous discourse analytical work on annual reports
- Emotion and rationality
  - as factors in investor behaviour
  - in annual reports
- Data and methods
- Results
- Conclusions and implications

# Discourse analysis

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## Discourse

- is language use as social practice
- is based on and creates knowledge
- represents aspects of the word; constructs identities and relations; consists of meaningful, cohesive texts
- e.g. accounting discourse

social field



# Discourse analysis

Context analysis – discourse practice and social: **Why** are these actors etc. represented, and why in this way?

## **Macro-level**

*social context (situational, institutional, societal)*

## **Meso-level**

*discourse practice context (production, distribution, reception, adaptation)*

## **Micro-level**

*text*

Text analysis -  
content: **What**  
actors, entities and  
events are  
represented?

Text analysis -  
semiotic: **How** are  
actors etc.  
represented?

# Annual reports

- format/macro-genre combining various genres: highlights, chairman's statement, CEO review, financial review etc.
- little regulation in UK compared to US



Munro 2014

- target readers: analysts and investors
- informative and persuasive purposes

# Discourse analysis and annual reports: Previous work

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Sentiment analysis to predict future financial performance: e.g. Hájek and Olej 2013

Diachronic change in UK annual reports, 1965-2004 (Beattie et al. 2008):

- increase in page length, voluntary and narrative information
- ubiquitous impression management through selectivity, graphical measurement distortion and manipulation of the length of time series

Interdiscursivity in annual reports (Bhatia 2010):

- accounting, economics, public relations and legal discourse in different sections

- different functions

- strategic position lends credibility to public relations discourse in chairman's statement

# Discourse analysis and annual reports: Previous work

Narrative structure in annual reports including ambiguous results (Jameson 2000): aim to make readers co-construct investment story through

- nonlinear structure
- dramatization through contrasting narrators
- variety of subgenres
- combination of verbal and visual discourse

Readers' response may depend on intellectual understanding as well as emotional interaction with the narrator persona.

Rhetorical organisation of chairman's statements in three moves (Skulstad 1996):

1. establishing relationships between the chairman, the company and the readers
2. maintaining confidence
3. reinforcing relationships already established

# Discourse analysis and annual reports: Previous work

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Word frequencies in operating and financial reports (Rutherford 2005):

required neutrality disregarded in favour of evaluative (positive) lexis ('assets', 'profit', 'up'), especially for poorly performing companies: positive bias as default

Collocates and semantic preference in discussion of the financial crisis in CSR reports (Lischinsky 2011):

abstract actors ('demand', 'markets'), negative impact ('affect', 'hit') and intensifiers ('severely', 'sustained') background social actors and consequences

Strategies of impression management and obfuscation in chairmen's statements (Merkl-Davies and Koller 2012):

STRATEGY	passivisation	referential vagueness	grammatical metaphor	conceptual metaphor and metonymy
linguistic features	passive voice (and social actor deletion)	plural pronoun usage	nominalisation; replacing social with grammatical actors (and intransitive or ergative verbs)	(a) Metaphor (personification) (b) Metonymy: Specified replaced by collective social actors
effect	Social actors and their responsibilities are backgrounded.	A collective social actor is incompletely defined.	Processes are presented as facts.	(a) Social actors and their responsibilities are backgrounded. (b) Specific social actors and their responsibilities are backgrounded.
example	"The job cuts <u>were justified</u> as part of structural reorganisation."	" <u>Our</u> people are part of <u>our</u> success."	"Increasing <u>demand</u> for oil explains price rises in consumer goods." "The <u>move</u> took three hours."	(a) Trends <u>show</u> that... (b) <u>Management</u> predicts that... <u>Headquarters</u> yesterday announced that...

# Emotion and rationality

## As factors in investor behaviour

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rational investor > homo economicus

Behavioural finance:

- asserts that there is little empirical evidence for rational economics and efficient financial markets
- links behavioural characteristics of top executives (e.g. confidence level) and their decision-making
- explains financial phenomena based on non-rational behaviour amongst investors
  - investor mood: influenced by unrelated events (weather, sports events)
  - trading activity and portfolio choice: disposition effect, familiarity hypothesis (individual investors), word-of-mouth effect
  - asset pricing: e.g. optimism, overconfidence > self-attribution bias; overreaction to signal strength

# Emotion and rationality

## In annual reports

Corporate discourse as increasingly drawing on emotion (Koller 2011):

- reflexivity as management tool
- companies as institutions that provide meaning
- emotional investment in, and identification with, organisation making employees controllable – and vulnerable

Annual reports combining rational ('logos'), credibility ('ethos'), affective ('pathos') appeals

explicit argument structure ('in conclusion', 'on the other hand')

credible persona through emphasis ('definitely'), hedging ('it is possible'), first person singular

aligning company and reader through evaluation ('hopefully'), direct address, anticipated questions, hedging

In closing, let me say a few words on the **deeper meaning** of this model of continuous transformation to **higher value**, at this particular moment in history. As I have noted, an innovation model does not present an easy path, especially in an industry as fast-changing as ours. But once you are clear on your choice, it shapes everything you do [...] And for IBM, it means **something more**. [...]

The era opening before us offers a historic opportunity for both businesses and societies to pursue this **higher purpose**. A vast new natural resource is being unleashed—promising to do for our century what steam, electricity and fossil fuels did for the Industrial Age. The economic and societal potential of this new gusher of data is incalculable. It is the opportunity of our lifetime—and IBMers are determined to seize it.

It is in this spirit that I express my deep pride in the worldwide IBM team for bringing us to where we are, and my gratitude to you, our shareholders, for your unwavering support. I hope you share our excitement about your company's performance and the way in which IBMers are building **a smarter planet** and **a brighter future**.

from annual letter to investors, signed by CEO, 2012  
<http://www.ibm.com/annualreport/2012/letter-from-the-chairman.html>



# Data: the annual reports corpus

- annual reports for 2012
- ca. 450 companies listed on London Stock Exchange, various industries
- ~~number and type of companies differ across sections~~

Business reviews	418,294
<b>CEO reviews</b>	<b>834,533</b>
Chairman's statements	865,020
Corporate governance reports	1,751,293
Directors' remuneration reports	2,112,429
Financial reviews	1,586,154
Highlights	113,635
Operating reviews	652,597
<b>TOTAL (words)</b>	<b>8,333,955</b>

Lexical analysis:

frequency of words, keyness, concordances, collocations

Part-of-speech analysis (CLAWS 7):

frequency of PoS (and words), keyness

Semantic analysis (USAS):

frequency of semantic tags (and words), keyness, word lists and concordances, word-semantic tag collocations

‘Broadsweep’ searches:

- Each word/lexical unit is associated with a series of USAS tags, based on an underlying manually assembled lexicon of ca. 56,000 words and ca. 19,000 multi-word units.
- The default search for a USAS tag returns the words/lexical units where that tag is listed first, based on likely first rank (92% accuracy)
- A broadsweep search for a USAS tag returns all the words/lexical units that are associated with that tag, regardless of where it occurs in the sequence.

# Wmatrix: list and broad-list

Semtag	Frequency	Relative Frequency	Concordance	List	Broad-list
z5	234502	30.31	Concordance	List	Broad-list
z8	41155	5.32	Concordance	List	Broad-list
z99	31193	4.03	Concordance	List	Broad-list
N1	22954	2.97	Concordance	List	Broad-list
A1.1.1	15161	1.96	Concordance	List	Broad-list
I2.2	14346	1.85	Concordance	List	Broad-list
A3+	12289	1.59	Concordance	List	Broad-list
T1.3	11429	1.48	Concordance	List	Broad-list
I2.1	10548	1.36	Concordance	List	Broad-list
M6	10130	1.31	Concordance	List	Broad-list
A9+	9930	1.28	Concordance	List	Broad-list
N5	9492	1.23	Concordance	List	Broad-list
Z2	9312	1.20	Concordance	List	Broad-list
I1.1	8942	1.16	Concordance	List	Broad-list
S5+	8371	1.08	Concordance	List	Broad-list
S7.1+	8131	1.05	Concordance	List	Broad-list
X7+	7784	1.01	Concordance	List	Broad-list
O2	7714	1.00	Concordance	List	Broad-list
A2.1+	6507	0.84	Concordance	List	Broad-list
T2++	6460	0.83	Concordance	List	Broad-list
S8+	6419	0.83	Concordance	List	Broad-list
A2.2	6313	0.82	Concordance	List	Broad-list

# Using Wmatrix (USAS): default searches

Word	Semtag	Frequency	Relative Frequency	Concordance	Summary information:
interest	X5.2+	413	0.05	Concordance	Number of types shown: 85
energy	X5.2+	374	0.05	Concordance	Total frequency of types shown: 1841 (0.24%)
exciting	X5.2+	138	0.02	Concordance	Total frequency overall: 773774
active	X5.2+	130	0.02	Concordance	Number of items shown with a given frequency:
highlights	X5.2+	76	0.01	Concordance	
interests	X5.2+	74	0.01	Concordance	
dedicated	X5.2+	68	0.01	Concordance	Frequency    Types    Tokens
actively	X5.2+	64	0.01	Concordance	1    32 (37.65%)    32 (1.74%)
dedication	X5.2+	44	0.01	Concordance	2    7 (8.24%)    14 (0.76%)
dynamic	X5.2+	41	0.01	Concordance	3    10 (11.76%)    30 (1.63%)
excited	X5.2+	39	0.01	Concordance	4    1 (1.18%)    4 (0.22%)
incentive	X5.2+	29	0.00	Concordance	5    3 (3.53%)    15 (0.81%)
passion	X5.2+	28	0.00	Concordance	6    3 (3.53%)    18 (0.98%)
enthusiasm	X5.2+	28	0.00	Concordance	7    (0.00%)    (0.00%)
interesting	X5.2+	18	0.00	Concordance	8    3 (3.53%)    24 (1.30%)
diligence	X5.2+	17	0.00	Concordance	9    2 (2.35%)    18 (0.98%)
proactive	X5.2+	16	0.00	Concordance	10    1 (1.18%)    10 (0.54%)
proactively	X5.2+	16	0.00	Concordance	> 10    23 (27.06%) 1676 (91.04%)
interested	X5.2+	14	0.00	Concordance	
keen	X5.2+	13	0.00	Concordance	
incentives	X5.2+	13	0.00	Concordance	
impressed	X5.2+	12	0.00	Concordance	

word list X5.2 (interested, excited, energetic), whole corpus

# Using Wmatrix (USAS): 'broadsweep' searches

Word	Semtag	Frequency	Relative Frequency	Concordance	Summary information:
strong	S1.2.5+	1214	0.16	Concordance	Number of types shown: 305
interest	X5.2+	413	0.05	Concordance	Total frequency of types shown: 5296 (0.68%)
energy	X5.2+	374	0.05	Concordance	Total frequency overall: 773774
drive	M3	247	0.03	Concordance	Number of items shown with a given frequency:
driven	M3	216	0.03	Concordance	Frequency    Types    Tokens
great	A5.1+	195	0.03	Concordance	1    196 (64.26%)    196 (3.70%)
ebitda	I1.1	186	0.02	Concordance	2    20 (6.56%)    40 (0.76%)
eld	T3+	140	0.02	Concordance	3    13 (4.26%)    39 (0.74%)
exciting	X5.2+	138	0.02	Concordance	4    5 (1.64%)    20 (0.38%)
active	X5.2+	130	0.02	Concordance	5    7 (2.30%)    35 (0.66%)
open	A10+	117	0.02	Concordance	6    2 (0.66%)    12 (0.23%)
driving	M3	97	0.01	Concordance	7    1 (0.33%)    7 (0.13%)
life	L1+	88	0.01	Concordance	8    3 (0.98%)    24 (0.45%)
initiative	A1.1.1	74	0.01	Concordance	9    4 (1.31%)    36 (0.68%)
interests	X5.2+	74	0.01	Concordance	10    2 (0.66%)    20 (0.38%)
heart	B1	70	0.01	Concordance	> 10    52 (17.05%)    4867 (91.90%)
dedicated	X5.2+	68	0.01	Concordance	
actively	X5.2+	64	0.01	Concordance	
driving	N5+++	61	0.01	Concordance	
highlights	X5.2+	55	0.01	Concordance	
vital	A11.1+	53	0.01	Concordance	
big	N3.2+	51	0.01	Concordance	

# Extracting semantic domain data: concordancing USAS tags

70 occurrences.

sibilities to the communities we serve at the heart of what we do ; To be a creator of highly val  
ur marketing insight business , back into the heart of Tesco . Brand & Marketing : making sure th  
sibilities to the communities we serve at the heart of what we do We have reinforced our commitmen  
core business involves two vital roles in the heart of the community : providing customers with sa  
ut our responsibilities to communities at the heart of what we do in a huge variety of ways : I wa  
sions in this web world as they remain at the heart of the organisation , the primary driver of al  
e . Here to help Customer service lies at the heart of our philosophy , we go way beyond the tile  
phasis on organic growth initiatives . At the heart of our strategy , we have two key goals . 1 .  
benchmarking and analytics , which are at the heart of i-graduates business , are a cornerstone of  
red across multiple channels , must be at the heart of our business . We express our vision as fol  
rface providing superior heat transfer is the heart of our heat exchangers . The technology contin  
t an all time low . This thinking lies at the heart of the Unilever Sustainable Living Plan ( USLP  
tes our Compass strategy with the USLP at its heart . Re-establishing trust with citizens and meet  
hether it be the consumer or the SME , at the heart of everything we do . With this in mind , we h  
size of Minas Moatize . It is located in the heart of the highly prospective coal basin of the So  
t Our Vision clearly puts our customers at the heart of everything we do . Our purpose is to provid  
ith us in 2013 . Service excellence is at the heart of our business . That means we deliver approx  
ities also centre on putting customers at the heart of our business , allowing them to bet how and  
RATEGY . Customer Putting the customer at the heart of everything we do Strategy : Betfair started

# Focus on emotion and rationality tags

<b>A</b> general and abstract terms	<b>B</b> the body and the individual	<b>C</b> arts and crafts	<b>E</b> emotion
<b>F</b> food and farming	<b>G</b> government and public	<b>H</b> architecture, housing and the home	<b>I</b> money and commerce in industry
<b>K</b> entertainment, sports and games	<b>L</b> life and living things	<b>M</b> movement, location, travel and transport	<b>N</b> numbers and measurement
<b>O</b> substances, materials, objects and equipment	<b>P</b> education	<b>Q</b> language and communication	<b>S</b> social actions, states and processes
<b>T</b> Time	<b>W</b> world and environment	<b>X</b> psychological actions, states and processes	<b>Y</b> science and technology
<b>Z</b> names and grammar			

# Focus on emotion and rationality tags

E1	Emotional Actions, States:
E1+	Emotional
E1-	Unemotional
E2	Liking
E2+	Like
E2-	Dislike
E3	Calm/Violent/Angry
E3+	Calm
E3-	Violent/Angry
E4	Happiness and Contentment
E4.1	Happy/sad
E4.1+	Happy
E4.1-	Sad
E4.2	Contentment
E4.2+	Content
E4.2-	Discontent
E5	Bravery and Fear
E5+	Bravery
E5-	Fear/shock
E6	Worry and confidence
E6+	Confident
E6-	Worry

X2	Mental actions and processes			
X2.1	Thought, belief			
X2.1-	Without thinking			
X2.2	Knowledge			
X2.2+	Knowledgeable			
X2.2-	No knowledge			
X2.3	Learn			
X2.3+	Learning			
X2.4	Investigate, examine, test, search			
X2.4+	Double-check			
X2.4-	Not examined			
X2.5	Understand	X4	Mental object	
X2.5+	Understanding	X4.1	Mental object: Conceptual object	
X2.5-	Not understanding	X4.1-	Themeless	
X2.6	Expect	X4.2	Mental object: Means, method	
X2.6+	Expected	X5	Attention	
X2.6-	Unexpected	X5.1	Attention	
		X5.1+	Attentive	
		X5.1-	Inattentive	
		X5.2	Interest/boredom/excited/energetic	
		X5.2+	Interested/excited/energetic	
		X5.2-	Uninterested/bored/unenergetic	
		X6	Deciding	
		X6+	Decided	
		X6-	Undecided	
		X7	Wanting; planning; choosing	
		X7+	Wanted	
		X7-	Unwanted	
		X8	Trying	
		X8+	Trying hard	
		X8-	Not trying	
		X9	Ability	
		X9.1	Ability and intelligence	
		X9.1+	Able/intelligent	
		X9.1-	Inability/unintelligent	

# Results: whole corpus

294 semantic tags with relative frequency  $\geq 0.01$

15 semantic tags with relative frequency  $\geq 1$

Semantic tag	Relative frequency	Semantic tag	Relative frequency
Numbers	4.0	Existing	1.45
In power	3.26	Wanted (X7+)	1.33
Pronouns	3.2	Belonging to a group	1.30
Money and pay	2.01	Quantities	1.22
Time: period	1.94	Location and direction	1.15
Business: generally	1.78	Getting and possession	1.13
General actions, making	1.56	Money: generally	1.05
		Speech acts	1.01

# Results: whole corpus vs. CEO reviews

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Significantly **overused** (key) semantic domains in whole corpus vs. CEO reviews:

**Top 10:** In power, Money and pay, Numbers, Participating, Speech acts (e.g. report\*, accounting), Personal names, Money generally, Negative, Danger (e.g. risk\*, exposure\*), Suitable

**Emotion:** Worry

**Rationality:** Wanted; Conceptual object; Investigate, test, examine, search; Thought, belief; Interested, excited, energetic; Knowledgeable

# Results: whole corpus vs. CEO reviews

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Significantly **underused** semantic domains in whole corpus vs. CEO reviews, i.e. overused in CEO reviews:

**Top 10:** Pronouns; Business: selling; Size: big; Time: new and young; Degree: boosters (e.g. extremely, very); Objects generally (e.g. product\*); Time: beginning; Geographical names; Vehicles and transport on land (e.g. platform\*, driv\*, cycle); Tough, strong

**Emotion:** Happy; Confident; Content; Like; Sad; Violent, angry

**Rationality:** Attentive; Sensory: sight; Expected; Success; Knowledge; Means, method; Trying hard; Understanding

# Results: CEO reviews

310 semantic tags with relative frequency  $\geq 0.01$

Industry-specific tags (e.g. telecoms, gas)

General semantic domain	Relative frequency	Highest rank	Percentage of tags realised
Numbers and measurement	10.05	4	100%
Money and commerce in industry	6.55	6	85%
Time	5.25	8	100%
Psychological actions, states and processes	4.34	17	43%
Emotion	0.31	134	50%

# Results: CEO reviews

## Semantic domain 'Psychological actions, states and processes'

Tag	Relative frequency	Frequent words
Wanted	1.01	aim*, goal*, target*, strateg*, programme, design*, objective*, planning
Investigate, examine, test, search	0.43	research, review, study, prove*, analysis, survey*, test, monitor
Mental object: Means, method	0.31	approach*, channel*, framework*, model*, method*, process*, scheme*, solution*, structure*, system*, tool*, way*
Knowledgeable	0.28	inform*, experience*, expertise, know*, recogni*, identif*
Able, intelligent	0.25	(cap)abilit*, experience*, expertise, skill*, strong/strength*, talent*, professional

# Results: CEO reviews

## Semantic domain 'Psychological actions, states and processes'

Tag	Relative frequency	Frequent words
Attentive	0.24	focus*, application*, concentrat*, highlight*
Thought, belief	0.22	advance*, assum*, belief/believ*, consider, face*/facing, outlook
Understanding	0.10	saw/see*, recogni*, understand*, realis*, understanding, insight*
Mental object: Conceptual object	0.10	concept*, criteria, ideas, ideal*, propos*, view, vision
Knowledge	0.07	source*, evidence, fact

# Results: CEO reviews

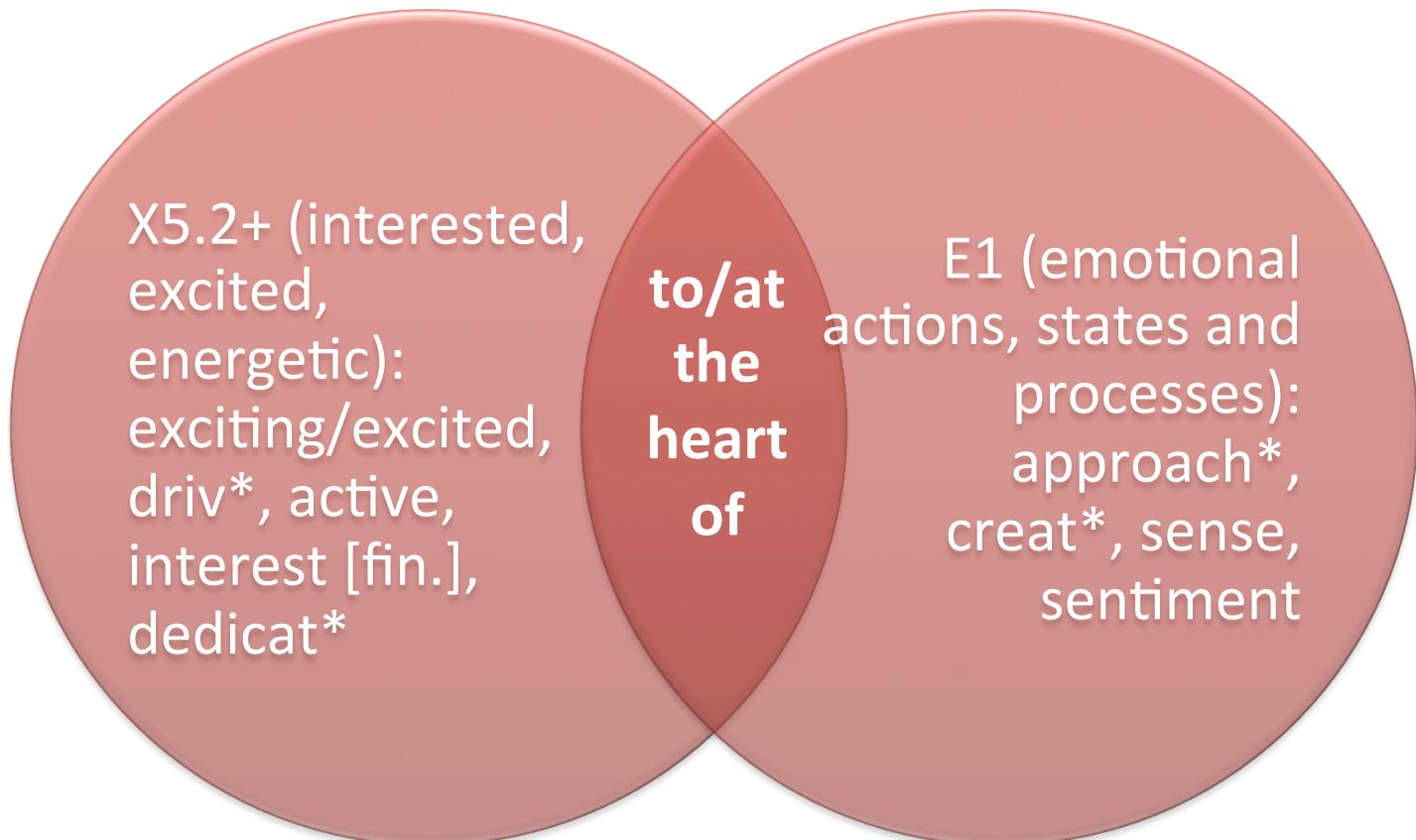
## Semantic domain 'Emotion'

Tag	Relative frequency	Frequent words
Content	0.08	pleas*, content, satisf*, grateful, happy, fulfil*, rewarding
Like	0.06	pleas*, like, approv*, popular, enjoy*
Confident	0.04	confiden*, secur*, trust*
Happy	0.02	delighted, hope, enjoy, happy, bright, hopeful
Violent, angry	0.02	force*, hit*, aggressive*, threat*
Worry	0.02	concern*, under pressure
Sad	0.01	suffer*, regret*, depressed [markets]
Discontent	0.01	disappoint*
Emotional actions, states and processes	0.01	to/at the heart of, sense, sentiment

# Results: CEO reviews

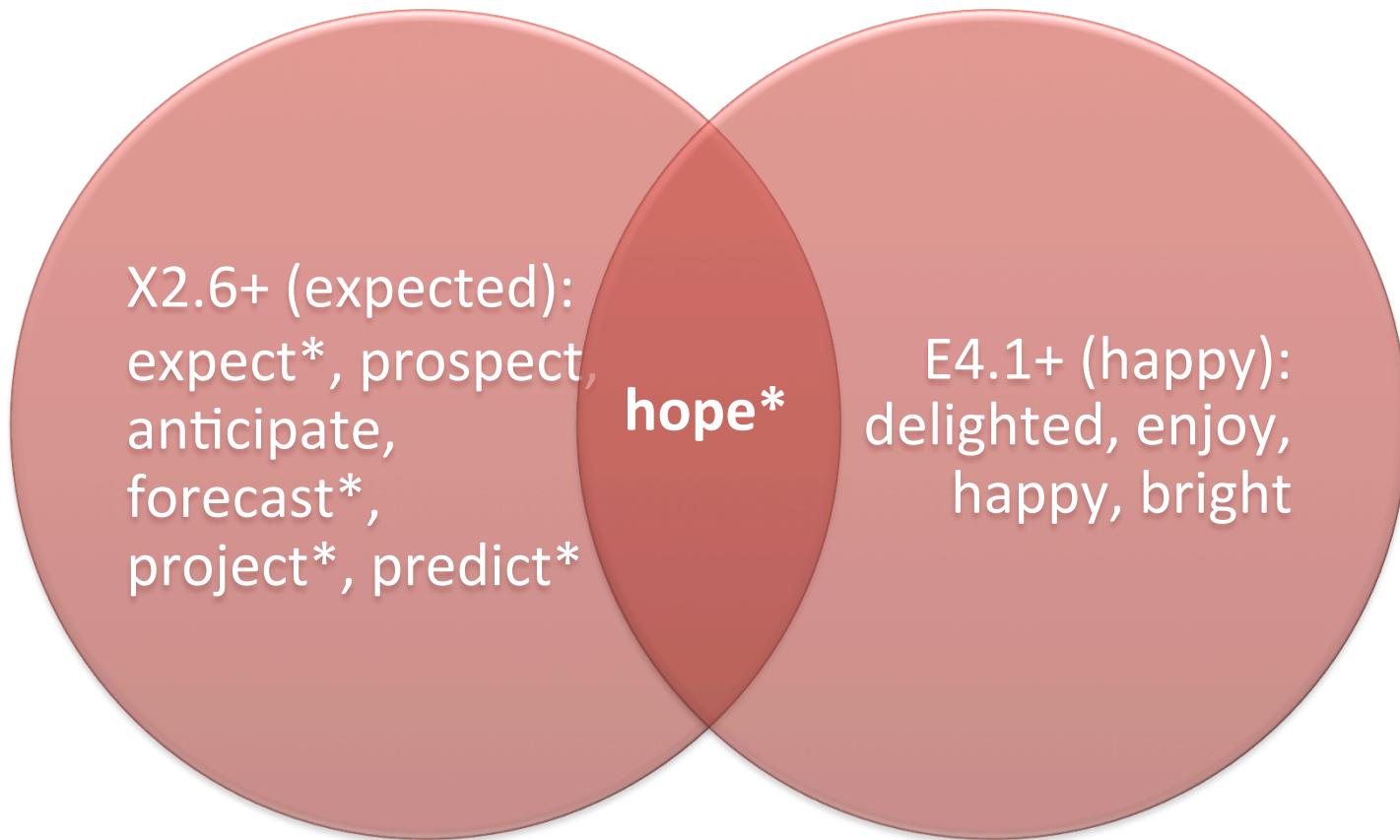
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Overlap between emotion (E) and rationality (X), cf. overlap between ethos and pathos (Hyland 1998)



# Results: CEO reviews

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# Results: CEO reviews

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X3.4 (sensory: sight): focus\*, look\* at/for/to, looking ahead, reflect\*, saw/see\*, vision

**look\* forward**

E2+ (like): pleas\*, like, approv\*, popular, enjoy\*

# A closer look



## Annual Report & Accounts 2014

Revenue  
**£568.3m**  
(2013: £546.5m)

Adjusted EBITDA<sup>1</sup>  
**£106.9m**  
(2013: £127.1m)

Adjusted profit before tax<sup>1</sup>  
**£84.1m**  
(2013: £105.0m)

Statutory profit before tax  
**£24.4m**  
(2013: £66.5m)

Adjusted earnings per share<sup>1</sup>  
**18.6p**  
(2013: 23.0p)

Basic earnings per share  
**3.1p**  
(2013: 12.9p)

Dividend per share  
**11.3p**  
(2013: 11.3p)

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For financial information or to view this report online, go to: [homeserveplc.com](http://homeserveplc.com)

# A closer look

## Strategic report

Chief Executive's review



“

We have made good progress in stabilising the UK business by focusing on improving customer service, increasing retention and delivering effective marketing. Strong customer growth in the USA and Spain has contributed to the growth in total customer numbers to 5.5m. I am **delighted** with the significant new **affinity partner** signings in the USA and Spain.

The USA remains our greatest opportunity and during FY15 we intend to increase investment in marketing and business development to take advantage of this. All our businesses are progressing in line with our expectations and we are **confident** of making further progress in FY15.

”

Our business is built on developing long-term relationships with our **affinity partners** and offering our customers home assistance in respect of water, electrical and gas related emergencies and repairs.

We provide our services through the use of directly employed, franchised and subcontract networks of engineers. We have 5.5m customers across our operations in the UK, USA, France, Spain, Italy and Germany and we are becoming ever more international as a business, with 62% of our customers based in overseas markets (2013: 54%).

We have successfully re-focused the UK business on providing a high level of service to our customers at each stage of the journey, from product design to repairing the customer's home, in order to create a sustainable business model. Our UK business closed the year with 2.1m customers and, in line with our expectations, delivered adjusted operating profit of £53.4m (2013: £78.3m).

## Personalisation:

- direct gaze, eye level, medium close shot
- pull quote
- first person singular
- emotion lexis

## Depersonalisation:

- decontextualised image
- mostly first person plural
- formulaic use of emotion lexis

# A closer look

I am//we are//the Board was/has been pleased/delighted/confident/satisfied that/with...

Customers who may have suffered detriment

Customers ... are at the heart of everything we do.

Affinity partner(ship)/agreement/contract/relationship

Customer satisfaction

11 occurrences.

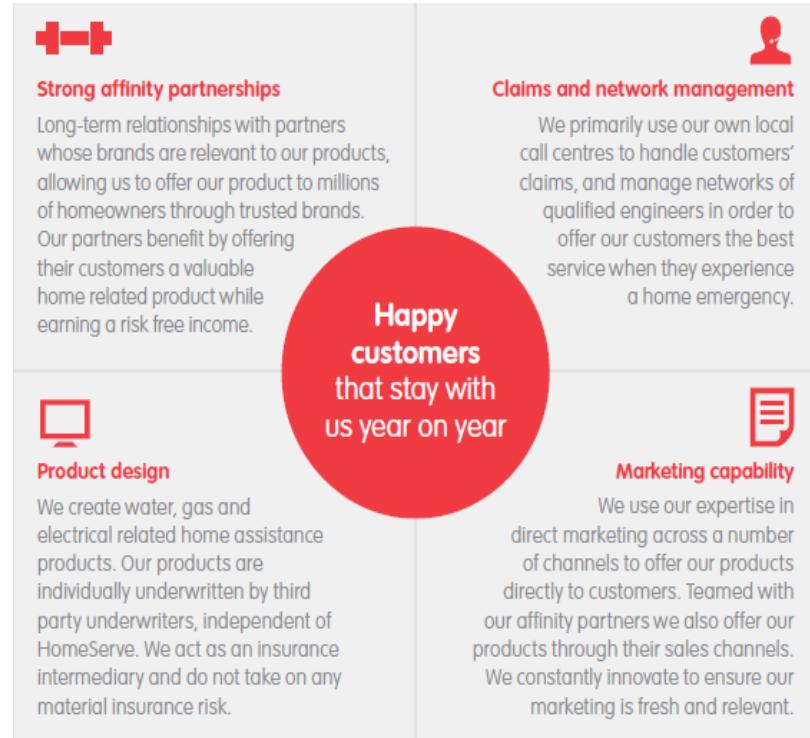
omic situation to be aware of any change in sentiment but the fundamental strengths of the London underlying economy and prospective franchisee sentiment . We now anticipate a low percentage of fran vents on the South African platinum mines , sentiment in the UK was not much better . However , su , there was a significant deterioration in sentiment towards the year end . As a result , steel a in the reporting year . The negative macro sentiment affected almost all commodity markets , with in Europe and North America . Poor end-user sentiment continued to dominate European markets as th ard and delivered over the next two years . Sentiment remains subdued Investor and tenant sentimen ntiment remains subdued Investor and tenant sentiment remains stable but subdued as economic recov be the more resilient of the two , but when th to perform strongly , confidence is key to sentiment changes for the better , permanent can recov and are encouraged by the growing positive sentiment and this is undermined by persistent uncerta sentiment towards our products and technologies . Mich

# A closer look

Is the company ‘outsourcing’ emotions to its customers?

The business model:

- centres on ‘Happy customers that stay with us year on year’
- prioritises ‘Products people want’ [X7+]
- realises mission ‘to provide an affinity branded membership service which frees our customers from the worry and inconvenience of home emergencies and repairs’



# A closer look

## Customer testimonials

‘I was very happy with  
the service’

‘I was very happy’  
‘I’m very satisfied’

‘I also felt very well *taken care of*  
by customer service’  
‘what a relief to be *taken care of*’

‘Engineers were very *friendly/kind*’, ‘I have  
been impressed with the *kindness* of every  
person’, ‘They were *kind*’, ‘The person that  
came to repair [the plug] was exceptionally  
*kind*’, ‘The engineer was a *nice* man’

# A closer look

Kind(ness): S1.2/S8+

Friendly: S1.2.1+, S7.3-

Nice: O4.2+, S1.2.1+

Care: S8+

Committed: S6+

Partner: S3.1/S2mf S3.2/S2mf, S4mf

Relationship: S3.1, S3.2, A2.2 S4

S1.2	Personality traits		
S1.2.1	Approachability and Friendliness		
S1.2.1+	Informal/Friendly		
S1.2.1-	Formal/Unfriendly		
S1.2.2	Avarice		
S1.2.2+	Greedy	S3	Relationship
S1.2.2-	Generous	S3.1	Personal relationship: General
S1.2.3	Egoism	S3.1-	No personal relationship
S1.2.3+	Selfish	S3.2	Relationship: Intimacy and sex
S1.2.3-	Unselfish	S3.2+	Relationship: Sexual
S1.2.4	Politeness	S3.2-	Relationship: Asexual
S1.2.4+	Polite		
S1.2.4-	Impolite		
S6	Obligation and necessity		
S6+	Strong obligation or necessity		
S6-	No obligation or necessity		
S7	Power relationship		
S7.1	Power, organizing		
S7.1+	In power		
S7.1-	No power		
S7.2	Respect		
S7.2+	Respected		
S7.2-	No respect		
S7.3	Competition		
S7.3+	Competitive		
S7.3-	No competition		
S7.4	Permission		
S7.4+	Allowed		
S7.4-	Not allowed		
S8	Helping/hindering		
S8+	Helping		
S8-	Hindering		

An extended concept of emotion would include relationships – and necessitate further analysis.

# Conclusions and implications

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Further research: industry comparison; more sections, images (not just content)

- CEO reviews contain more emotion lexis than annual reports as a whole.
- Emotion is profiled against the background of rationality.
- Emotion and rationality partly overlap.
- Emotion lexis is used in formulaic and technical ways.
- Relationship company-investors backgrounded.

Can annual reports be improved by being more genuinely emotional?  
Would this be desirable? Or should they be purely metric?



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Thank you – comments, questions,  
suggestions?

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