



Its not what you say, but how you say it – Managerial charisma in earnings conference calls

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1. Overview

We identify managerial rhetoric aimed at presenting a positive picture of the firm without conveying relevant information in the Q&A part of conference calls.

→ “Charismatic rhetoric”: How and not what information is presented.

Findings:

- (i) Market reacts more positively to charismatic rhetoric than established measures of “tone”.
- (ii) Charismatic rhetoric does not predict future firm performance.

→ Market participants are highly susceptible to purely rhetorical means.



2. Introduction

Quantifying the qualitative information in public disclosure documents:

1. Bag-of-words approach: counting business-specific words
Predicts future firm performance and stock market reactions (e.g., Loughran and McDonald, 2011; Price et al., 2012)
2. Naïve Bayes approaches: mostly neural networks (e.g., Li, 2010; Huang et al., 2014)
Advantages: Can capture complex linguistic features, like syntax.
Main criticism: Black box character

Charismatic rhetoric is characterized by metaphors, imagery, idioms, figures of speech etc. (e.g., Cornelissen and Werner, 2014; Tur et al., 2021).

→ Hard to capture in wordcounts.



3. VIER Emotion Analytics

VIER Emotion Analytics ...

- uses a neural network to evaluate how texts are ...
- perceived by laypeople ...
- along 22 dimensions.

Based on 38 mil. training texts, which are not finance- or business-specific.

→ Impression of laypeople rather than economically relevant information.

Activision Blizzard Inc. Q3 of 2018:

“[...] Well, we're confident and we're **energized** by the performance of Black Ops 4. The launch, as I said, is off to a strong start on both console and PC. [...] And the Call of Duty team is **doing what it knows how to do well**, which is build **deeply engaging** experience. [...] And we added Blackout, which is a **deeply appealing** mode [...].”



4. Measuring „charismatic rhetoric“

Sample:

Manager answers with more than 500 words from 92,166 conference calls

High correlations among “VIER” dimensions (e.g.: “positive” and “optimistic”)

→ Common Factor Analysis:

	Eigenvalue	Proportion
Factor1	11.6393	0.5521
Factor2	3.5567	0.1687
Factor3	2.2575	0.1071
Factor4	1.4505	0.0688
...		

4. Measuring „charismatic rhetoric“

Rotated matrix of factor loadings:

Dimesion:	Factor1	Factor2	Factor3	Factor4
aggressive	-0.2161	-0.0069	0.8953	-0.0424
authoritative	0.2537	0.8479	0.2210	0.2210
composed	0.7033	0.4786	0.0533	-0.0132
dramatic	0.3555	0.0533	0.5412	-0.4719
empathic	0.3021	0.1592	0.1821	0.8746
formal	0.1721	0.9150	-0.1746	-0.0845
friendly	0.7179	0.0617	-0.1149	0.6265
goal_oriented	0.5449	0.6930	-0.2467	0.0481
impressive	0.6096	0.5951	0.4747	0.0446
impulsive	-0.2117	-0.2413	0.8623	0.1403
independent	-0.2004	-0.1647	-0.2848	-0.2705
intellectual	0.3115	0.8870	0.2475	0.0211
motivating	0.9194	0.2791	0.2253	0.0992
optimistic	0.9177	0.3323	0.0309	0.0964
philosophical	0.3206	0.3927	0.7429	0.2620
positive	0.9388	0.2049	-0.1766	0.1444
reliable	0.3704	0.8693	0.0540	0.2025
self_confident	0.7437	0.5142	-0.0816	-0.1762
structured	0.3071	0.9158	0.1005	0.1096
supportive	0.7936	0.3250	0.0042	0.4721
unconventional	0.2384	0.3416	0.8034	-0.0508
visionary	0.8236	0.4232	0.1441	0.1618

“communicate with little nervousness and stress”

“communicate benevolently, likeable and warmheartedly”

“communicate captivatingly and leave a lasting impression”

“excite the audience with enthusiasm and activity”

“draw positive conclusions and talk about positive expectations”

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“create a pleasant atmosphere through a positive and cheerful charisma”

“to be in the spotlight and not to avoid confrontation”

“show interest in the well-being of others, to encourage - and to help them”

“talk about great plans and a promising future”



5. Hypothesis

Literature review:

positive, motivating, optimistic, visionary, supportive, self-confident, friendly, composed, impressive, and goal-oriented

→ Characteristics of charismatic rhetoric: painting a positive picture of the firm by various rhetorical means without conveying relevant information

→ Factor1 = Charisma_{i,t}

Hypothesis:

„The extent of charismatic rhetoric is positively related to stock market reactions following conference calls.“

6. Charismatic rhetoric and stock market reactions

	(1)	(2)	(3)	(4)
	CAR(0,1) _{i,t}	CAR(0,1) _{i,t}	CAR(0,1) _{i,t}	CAR(0,1) _{i,t}
Charisma _{i,t}	0.208*** (36.387)	0.169*** (29.073)	0.145*** (21.783)	0.140*** (20.787)
PresLM _{i,t}		0.164*** (30.017)	0.158*** (28.493)	0.158*** (28.481)
Q&ALM _{i,t}			0.041*** (7.411)	0.037*** (6.561)
Q&AHIV _{i,t}				0.016*** (3.304)
EPSsurprise _{i,t}	0.111*** (20.020)	0.108*** (19.508)	0.107*** (19.438)	0.107*** (19.450)
Further Controls	...	...	...	...
Observations	73,181	73,181	73,181	73,181
R-squared	0.145	0.157	0.158	0.158

All models include firm- and quarter · industry-fixed effects.

Similar results when considering:

- (i) Changes in analyst recommendations
- (ii) Trading volumes (much weaker)



7. Deconstruction of charismatic rhetoric

“Multinomial Inverse Logistic Regression” (Taddy, 2013, 2015):

- Which trigrams occur frequently in manager answers that are evaluated as charismatic?

What characterizes texts that are “charismatic“ but not „positive“?

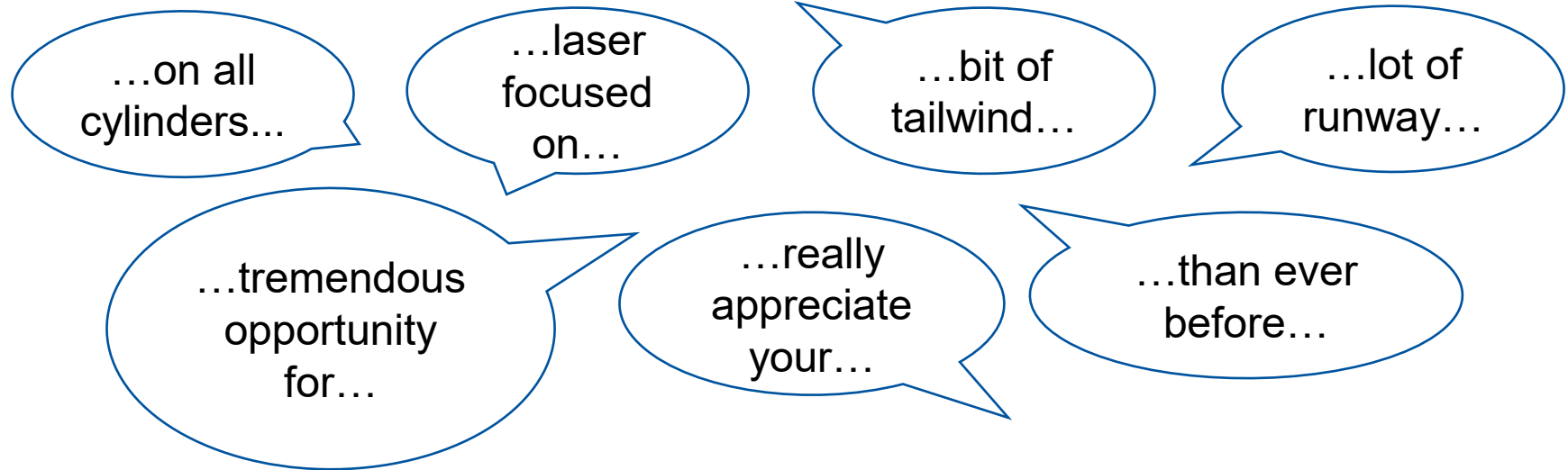
- Orthogonalization of „charismatic rhetoric“ on bag-of-words-based measures.

Filtering trigrams:

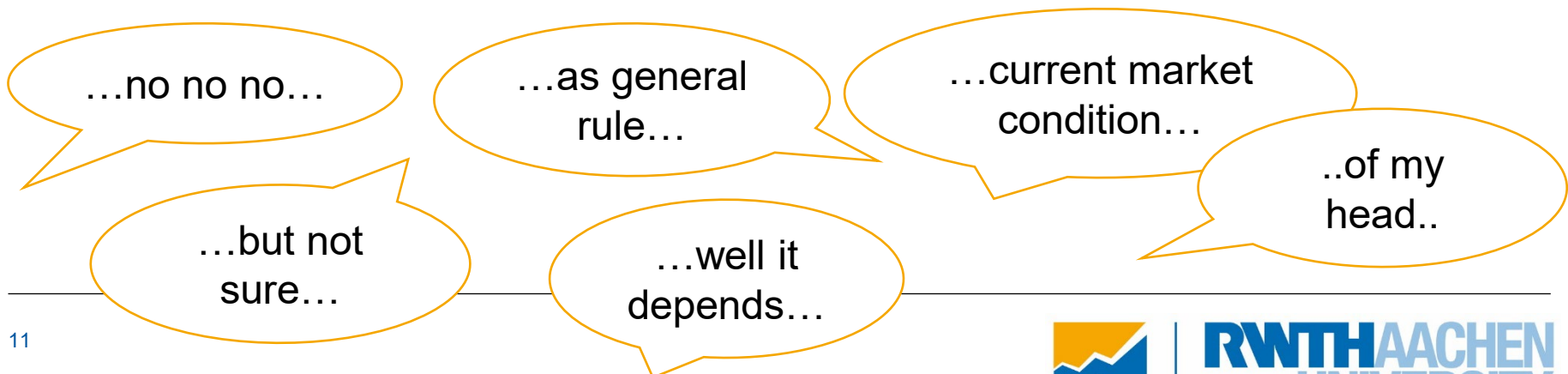
1. Trigrams must occur in 200 – 30,000 calls.
 2. No accounting-specific terminology.
 3. Industry- or period-specific trigrams.
- 46,388 trigrams

7. Deconstruction of charismatic rhetoric

Examples of charismatic trigrams: → CharTri_{i,t}



Examples of uncharismatic trigrams: → UncharTri_{i,t}



8. Charismatic rhetoric and stock market reactions

	(1)	(2)	(3)	(4)
	CAR(0,1) _{i,t}	CAR(0,1) _{i,t}	CAR(0,1) _{i,t}	CAR(0,1) _{i,t}
CharTri _{i,t}	0.079*** (14.038)	0.058*** (10.457)	0.041*** (7.292)	0.037*** (6.561)
UncharTri _{i,t}	-0.011** (-2.550)	-0.005 (-1.112)	0.000 (0.073)	-0.001 (-0.163)
PresLM _{i,t}		0.196*** (36.132)	0.170*** (30.698)	0.169*** (30.551)
Q&ALM _{i,t}			0.096*** (19.626)	0.085*** (16.586)
Q&AHIV _{i,t}				0.033*** (6.670)
EPSsurprise _{i,t}	0.114*** (20.402)	0.109*** (19.716)	0.107*** (19.483)	0.108*** (19.505)
Further Controls	...	...	...	...
Observations	73,181	73,181	73,181	73,181
R-squared	0.130	0.147	0.152	0.153

All models include firm- and quarter · industry-fixed effects.

Similar results when considering:

- (i) Changes in analyst recommendations
- (ii) But NOT trading volumes

9. Future earning and stock market reactions

	(1)	(2)	(3)	(4)	
	ROA _{i,t+4}	ROA _{i,t+4}	1YEPSsurprise _{i,t}	1YEPSsurprise _{i,t}	All models include firm- and quarter · industry- fixed effects.
Charisma _{i,t}	0.004 (0.547)		0.007 (0.957)		
CharTri _{i,t}		0.000 (0.016)		0.003 (0.480)	
UncharTri _{i,t}		-0.000 (-0.036)		0.003 (0.746)	
PresLM _{i,t}	0.022*** (3.523)	0.023*** (3.599)	0.011** (2.051)	0.012** (2.178)	
Q&ALM _{i,t}	0.002 (0.316)	0.004 (0.603)	0.010* (1.733)	0.012** (2.395)	
Q&AHIV _{i,t}	-0.004 (-0.673)	-0.003 (-0.574)	0.011** (2.180)	0.012** (2.320)	
DiscAcc _{i,t}	-0.033*** (-6.245)	-0.033*** (-6.244)	-0.014*** (-3.208)	-0.014*** (-3.207)	
Further Controls	...	...	...	...
Observations	27,431	27,431	31,217	31,217	
R-squared	0.652	0.652	0.681	0.681	



10. Summary and Conclusion

Findings:

- (i) Market reacts positively to charismatic rhetoric.
- (ii) Charismatic rhetoric does not convey relevant information.
- Market participants are susceptible to pure rhetoric.

Bag-of-words approaches do not capture complex linguistic characteristics.

- Naive Bayes approaches are an appealing alternative ...
- ... especially when their evaluations are partly made transparent.



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