

# **Seminar – Sommersemester 2009: Sentiment Analysis: Subjektivität, Standpunkt, Meinung**

Michael Strube  
EML Research gGmbH  
Schloss-Wolfsbrunnenweg 31c  
69118 Heidelberg  
<http://www.eml-research.de/~strube>

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## **Termine, Themenvorschläge**

**02.04.2009**

**fällt aus** – Michael Strube bei EACL '09

**09.04.2009**

**Einführung, Terminologie, Organisatorisches:** Pang & Lee (2008a)

**16.04.2009**

**Vorläufer:** Carbonell (1979), Wilks & Bien (1984), Wiebe (1990)

**Subjectivity, private states, point of view:** Wiebe (1990), Wiebe (1994), Wiebe & Bruce (1995)

zur Vorbereitung: Wiebe (1994)

**23.04.2009**

Michael Strube bei JUMAS Projekttreffen, Vertretung: Viola Ganter (EML Research)

**Subjectivity detection – Weakly supervised approaches:** Riloff et al. (2003), Riloff & Wiebe (2003)

zur Vorbereitung: Riloff et al. (2003)

Fragen bitte auch senden an: [ganter@eml-research.de](mailto:ganter@eml-research.de)

**30.04.2009**

**Annotating private state, opinions, emotions:** Wiebe et al. (1999), Wilson & Wiebe (2003), Wiebe et al. (2005), Wilson & Wiebe (2005), Somasundaran et al. (2008a) –

**Referat: Sarah Ebling – Wiebe et al. (2005)**

zur Vorbereitung: Wilson & Wiebe (2005)

**07.05.2009**

**Subjectivity detection – Recent work**

features for subjectivity detection (Wiebe et al., 2004; Wilson et al., 2005); BLOG track at TREC '06: Ounis et al. (2006); subsentential analysis: Esuli & Sebastiani (2006a), Takamura et al. (2006), Mihalcea et al. (2007) – **Referat: Eva Mujdricza-Maydt – Wilson et al. (2005), Takamura et al. (2006)**  
zur Vorbereitung: Wilson et al. (2005)

**14.05.2009**

**Sentiment polarity classification: Thumbs up – thumbs down**

Pang et al. (2002), Turney (2002) – **Referat: Patrick Mächtlen, Hans-Martin Ramsel**  
zur Vorbereitung: Pang et al. (2002)

**28.05.2009**

**Features: Parts-of-speech (adjectives, nouns), syntax, language models**

beyond unigrams: Dave et al. (2003), Kim & Hovy (2006b); adjectives Hatzivassiloglou & McKeown (1997), Hatzivassiloglou & Wiebe (2000), Mullen & Collier (2004), Whitelaw et al. (2005); syntax: Dave et al. (2003), Gamon (2004), Kudo & Matsumoto (2004), Ng et al. (2006) – **Referat: Benjamin Börschinger: Gamon (2004)**  
**Sentiment polarity classification: Why do reviewers like or dislike a product?** Kim & Hovy (2006a), Qin et al. (2008), Branavan et al. (2008) – **Referat: Klara Cotorlea**  
zur Vorbereitung: Gamon (2004) **oder** Kim & Hovy (2006a)

**04.06.2009**

Michael Strube bei NAACL '09, Vertretung: Viola Ganter (EML Research)

**Deception detection** Burgoon et al. (2003), Zhou et al. (2003), Graciarena et al. (2006), Bachenko et al. (2008), Hancock et al. (2008)

Hancock et al. (2008) – **Referat: Lucas Hausmann, Bachenko et al. (2008) – Referat: Martin Ivanov**

zur Vorbereitung: Hancock et al. (2008) **oder** Bachenko et al. (2008)

(Fragen bitte auch an `ganter at eml.research.de`)

**18.06.2009**

**Degrees of polarity**

**Referat: Shaji Valiath** – Wilson et al. (2004)

**Referat: Itamar Kastner** – Pang & Lee (2005)

zur Vorbereitung: Wilson et al. (2004) **oder** Pang & Lee (2005)

optional: Goldberg & Zhu (2006), Mao & Lebanon (2007)

**25.06.2009**

**Lexicon induction**

**Referat: Katarina Boland** – Hatzivassiloglou & McKeown (1997), Hatzivassiloglou & Wiebe (2000)

zur Vorbereitung: Hatzivassiloglou & McKeown (1997) und Esuli & Sebastiani (2006b)  
optional: Turney (2002), Yu & Hatzivassiloglou (2003), Riloff et al. (2003), Turney & Littman (2003), Hu & Liu (2004), Kaji & Kitsuregawa (2007)

**02.07.2009 BEGINN: 16.00 UHR**

**Sentiment lexicon creation:** Ganna Syrota – Esuli & Sebastiani (2006a), Esuli & Sebastiani (2006b), Esuli & Sebastiani (2007)

**Political orientation of websites**

**Referat:** Armin Schmidt – Grefenstette et al. (2004), Lin & Hauptmann (2006)

**Background on political discourse**

**Referat:** Sandra Barteit – Laver et al. (2003), Martin & Vanberg (2008)

zur Vorbereitung: Laver et al. (2003) oder Grefenstette et al. (2004)

optional: political orientation in informal discourse: Mullen & Malouf (2006), Mullen & Malouf (2008); perspective in political documents: Lin et al. (2006)

**09.07.2009 BEGINN: 16.00 UHR**

**Incorporating discourse structure:**

**FÄLLT AUS – Referat:** David Wittum – Pang & Lee (2004)

**Referat:** Peter Kostadinov – Somasundaran et al. (2008b)

optional: Devitt & Ahmad (2007), Somasundaran et al. (2008a), Somasundaran et al. (2009)

**Emotion recognition:**

**Referat:** Alexander Judea – Alm et al. (2005)

optional: Subasic & Huettner (2001), Liu et al. (2003)

zur Vorbereitung: Alm et al. (2005) oder Pang & Lee (2004) oder Somasundaran et al. (2008b)

**Weitere Themenvorschläge:**

**Unsupervised approaches:** Wiebe & Riloff (2005), Pang & Lee (2008b)

**Interaction topic-sentiment:** Hurst & Nigam (2004), Mullen & Collier (2004), Eguchi & Lavrenko (2006), Eguchi & Shah (2006), Kim & Hovy (2007), Mei et al. (2007)

**Other non-factual information in text**

**humor recognition:** Mihalcea & Strapparava (2006)

**Summarization and question answering**

opinion-oriented summarization Beineke et al. (2004), Zhou & Hovy (2005), Ku et al. (2006), Carenini et al. (2006), Zhang (2008); perspective detection for summarization Seki et al. (2004), Seki et al. (2005), Seki et al. (2006); question answering Cardie et al. (2003), Wiebe et al. (2003)

**Bemerkungen**

**Leistungsnachweise:** Lektüre und aktive Teilnahme (1/3), Referat (1/3), Hausarbeit (1/3). Hausarbeit: 8-10 Seiten (Proseminar), 12-15 Seiten (Hauptseminar) inkl. Bibliographie. Die Hausarbeit kann auch per Email an mich geschickt werden, aber *nicht* als Word-Datei sondern nur als PDF-Datei. – Ich empfehle, wissenschaftliche Texte mit Latex und Bibtex zu verfassen.

Regelmäßige Teilnahme (d.i. nicht mehr als zweimal unentschuldigtes Fehlen) ist Voraussetzung für Scheinerwerb. Ich bitte um Abgabe von jeweils zwei Fragen (!) zu einem Papier, das in der Sitzung vorgestellt wird, entweder per Email bis spätestens 15 Uhr am Tag der Sitzung oder schriftlich direkt vor der Sitzung. Dies geht in die Bewertung für aktive Teilnahme am Seminar ein.

**Literatur:** Viele Papiere können direkt aus der *ACL Anthology* kopiert werden (<http://acl.ldc.upenn.edu/>), insbesondere alle Papiere der (*E/NA*)*ACL*-, *Coling*- und *EMNLP*-Konferenzen, alle Workshops, die im Rahmen dieser Konferenzen veranstaltet wurden und die Zeitschrift *Computational Linguistics*. Papiere, die von der *AAAI* publiziert wurden (*AAAI*-Konferenz, *AAAI*-Workshops, *AAAI*-Symposia, etc.) sind in der *AAAI Digital Library* verfügbar (<http://www.aaai.org/Library>). – Die meisten weiteren Zeitschriften sind elektronisch verfügbar über die UB (<http://rzblx1.uni-regensburg.de/ezeit/search.phtml?bibid=UBHE>) – oder stehen dort im Regal.

**Sprechstunde:** Auf Vereinbarung (Email, Telefon) bei mir im Büro, ggf. auch im Anschluß an das Seminar.

**Hausarbeiten:**

maximal 8-10 Seiten (Proseminar), 12-15 Seiten (Hauptseminar) inkl. Abbildungen, inkl. Literaturverzeichnis

**Inhalt:** Fokus auf das vorgestellte Papier; NICHT *Related Work*-Kapitel referieren, wenn die entsprechenden Papiere nicht gelesen wurden; Evaluierung berichten; WICHTIG: mit eigener Meinung oder Bewertung abschließen.

**Stil:** Wissenschaftlichkeit drückt sich nicht durch lange, komplizierte Sätze und exzessiven Gebrauch von Fremdwörtern aus – deshalb bitte kurze Sätze, einfache Sprache; Hausarbeiten vor der Abgabe Korrektur lesen oder Korrektur lesen lassen (s. auch *Dos and donts: Hinweise zur Abfassung wissenschaftlicher Arbeiten* von Prof. Frank – [http://www.cl.uni-heidelberg.de/~frank/materials/dos\\_and\\_donts.pdf](http://www.cl.uni-heidelberg.de/~frank/materials/dos_and_donts.pdf)).

**Abgabetermin:** bis spätestens 15. August 2009; per Email als PDF-Datei (kein Word!) oder ausgedruckt per Post – Matrikelnummer nicht vergessen!

## Literatur

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