



Motivation

- event detection
- opinion mining
- urban planning
- social sciences
- social geography
- tourism



Emotions

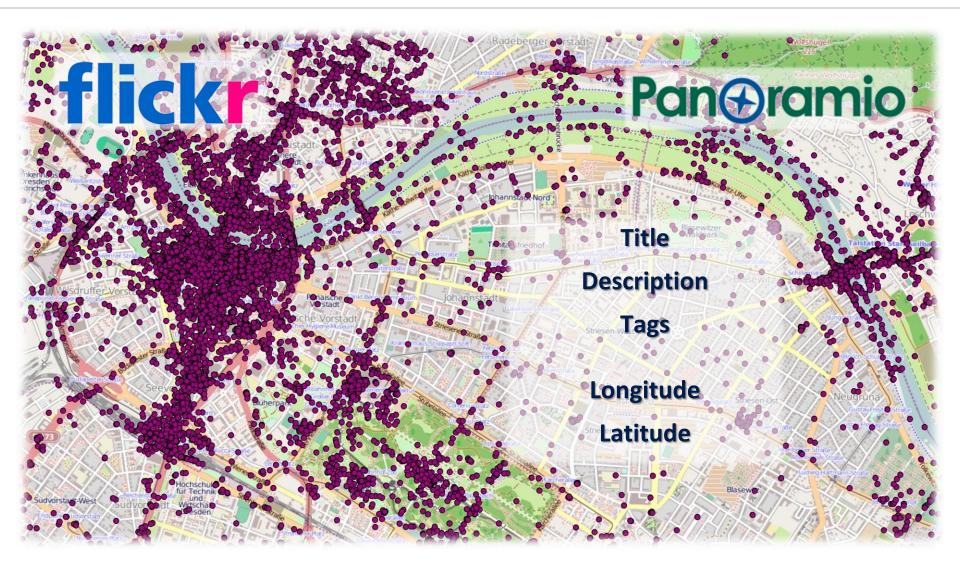
Overall emotional reaction

- physiological reactions
- tonic posture reactions
- instrumental motoric reactions
- · expressive motoric reactions
- expressive linguistic reactions
- · subjective experience components

Battacchi et al. (1996)

Emotion und Sprache: zur Definition der Emotion und ihren Beziehungen zu kognitiven Prozessen, dem Gedächtnis und der Sprache. Lang, Frankfurt am Main.

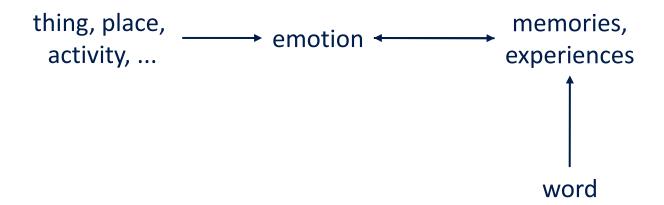






Emotions

Emotions in Language (Affective Connotation)

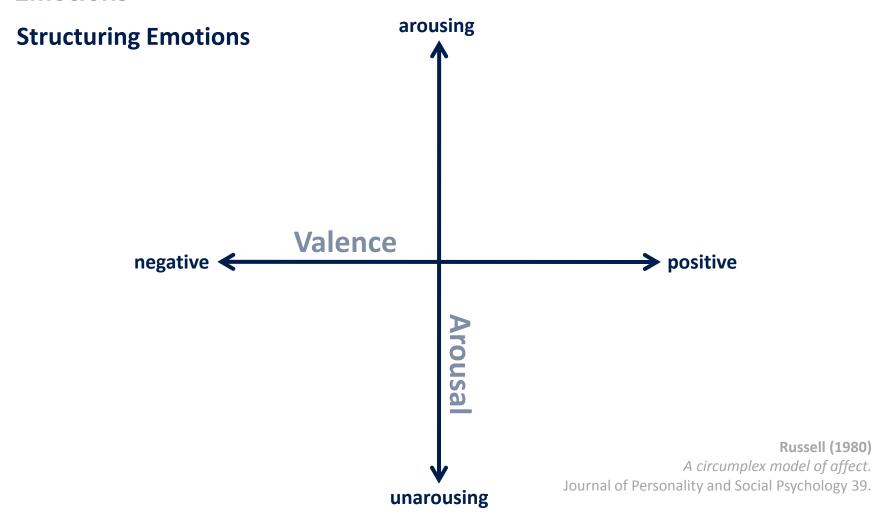


"the aura of feelings, pleasant or unpleasant, that surrounds practically all words"

Hayakawa (1952: 83)
Language in Thought and Action.
George Allen & Unwin, London.



Emotions

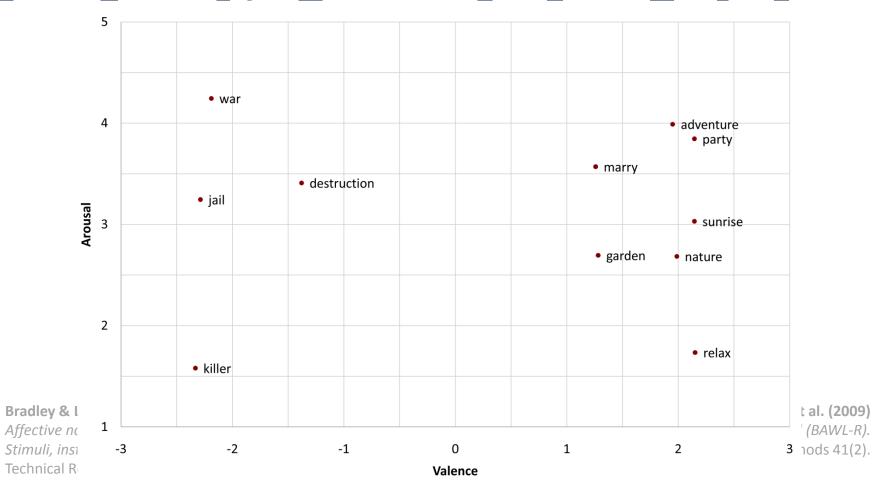




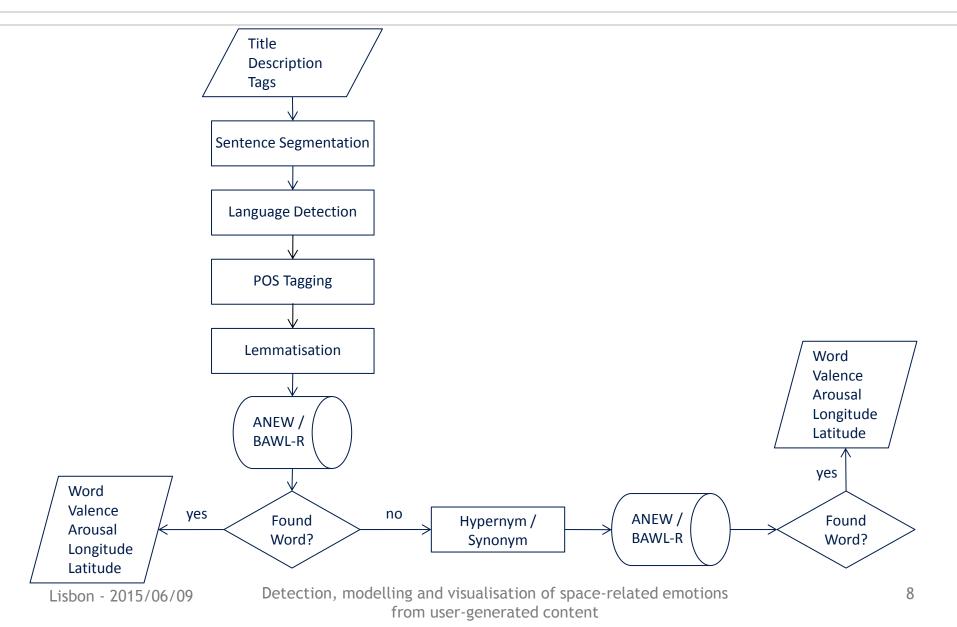
ANEW & BAWL-R

Affective Norms for English Words

Berlin Affective Word List - Reloaded









Grammatical Special Cases

happy

Maximum	Amplification	Attenuation	Minimum	Negation	Amplified Negation
absolutely happy	very happy	a bit happy	hardly happy	not happy	not happy at all
Superlative happiest	Comparative happier			Prefixes unhappy	

based on

Biedermann (1969)

Die deutschen Gradadverbien in synchronischer und diasynchronischer Sicht. Dissertation, Heidelberg.

Quirk et al. (1985)

A comprehensive grammar of the English language. Longman, London. van Os (1989)

Aspekte der Intensivierung im Deutschen. Narr, Tübingen.



Grammatical Special Cases

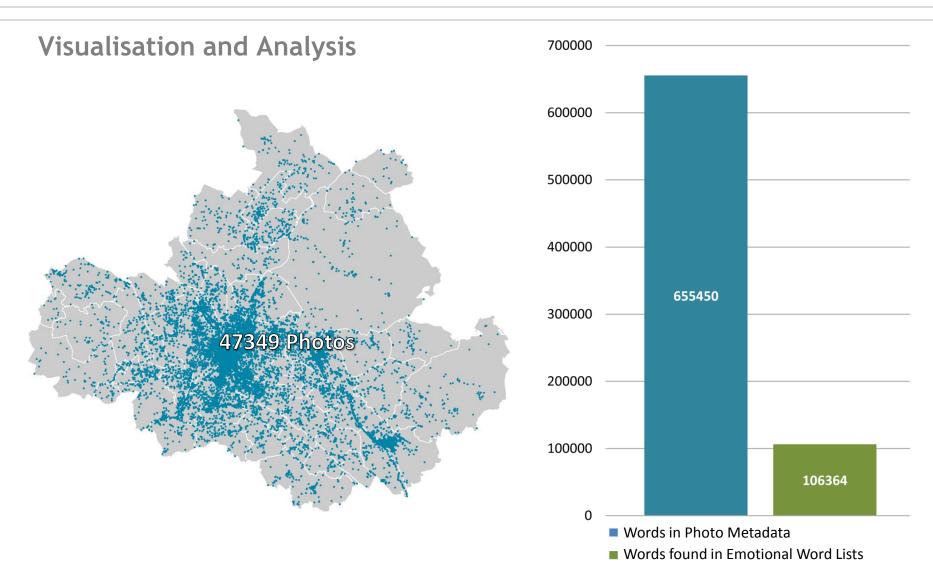
→ degree words

Maximum Amplification Amodifying the intensity of... Negation **Amplified Negation** adjectives absolutely not It was absolutely good. in the least kind of adverbshe slightest They love their dog very **dearly**. too much not in any respect verbs totally He **denied** it strongly. truly without nouns It was really an adventure.

> based on **Quirk et al. (1985**

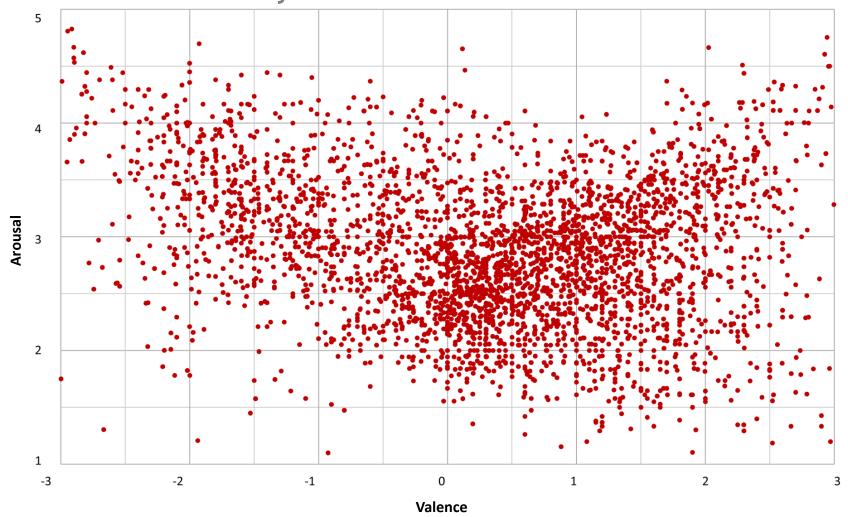
A comprehensive grammar of the English language. Longman, London







Visualisation and Analysis



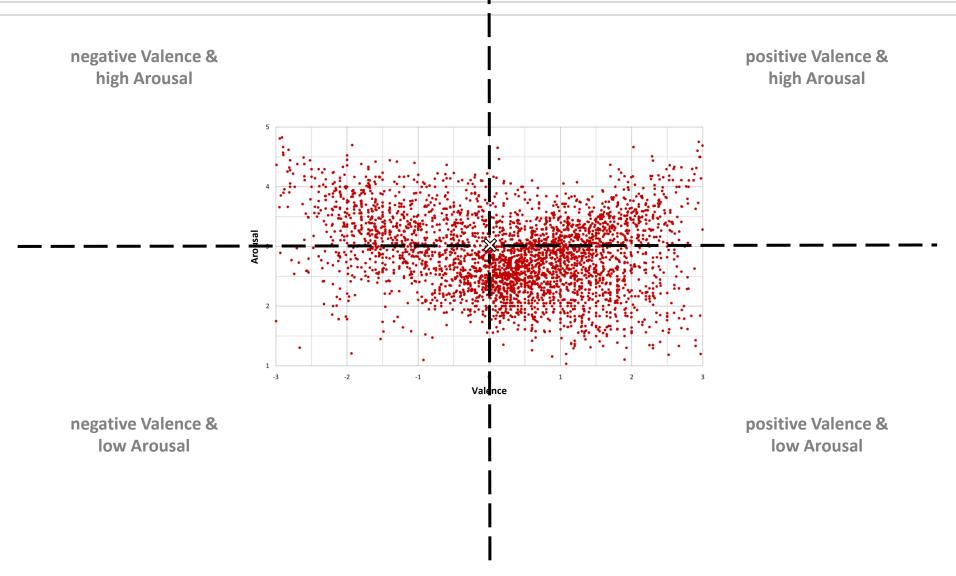


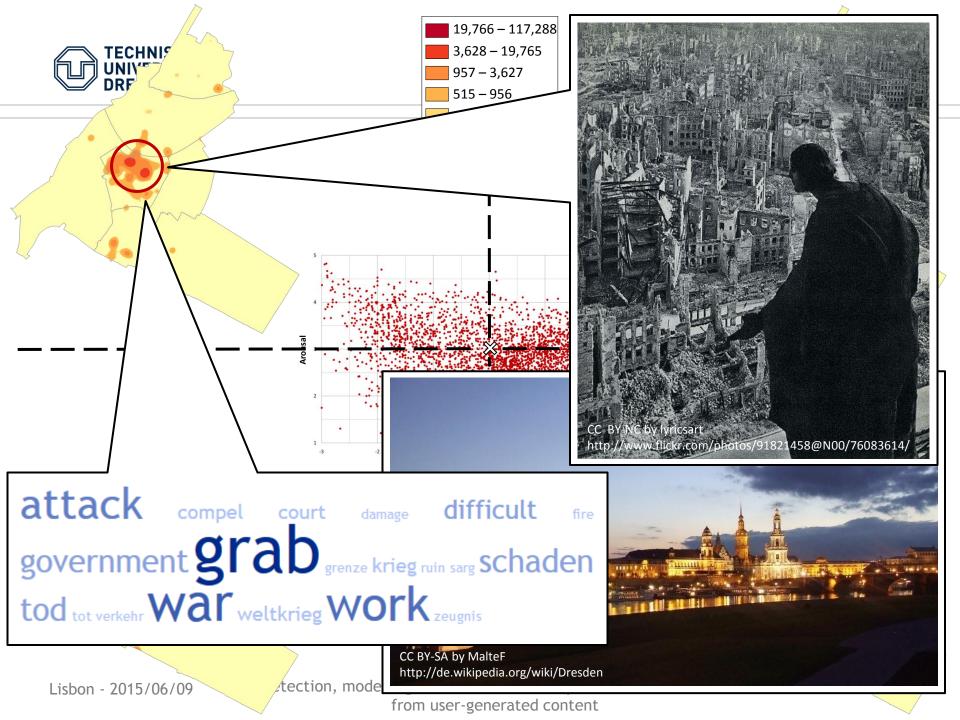
Considerations

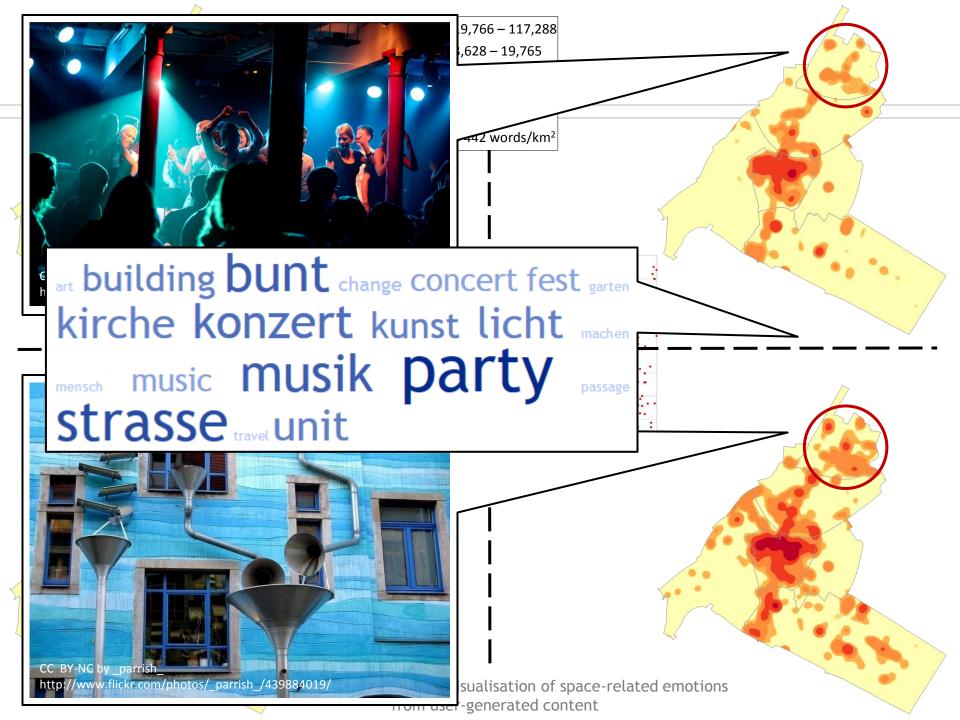
1 place ≠ 1 emotion

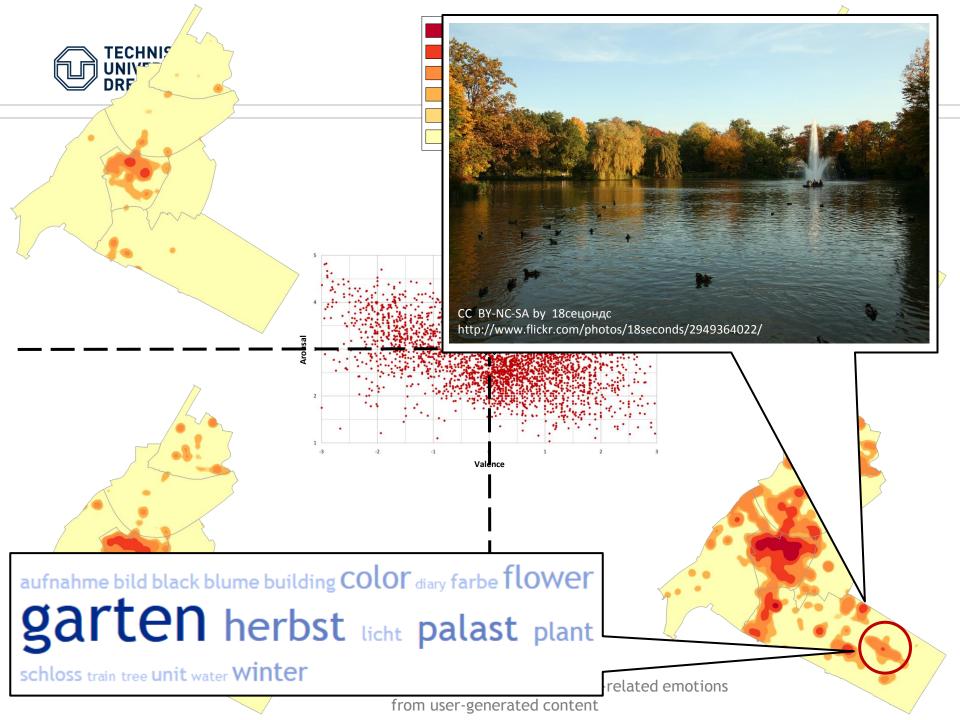
- → personal preferences/experiences/memories
 - individual vs. collective emotions
 - → temporal aspects

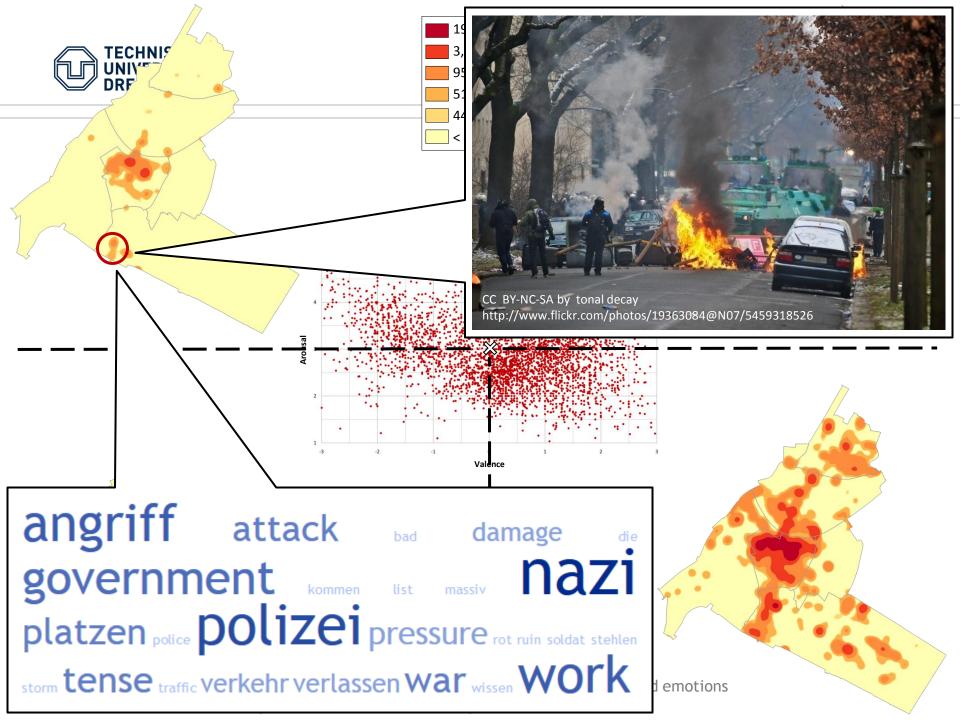






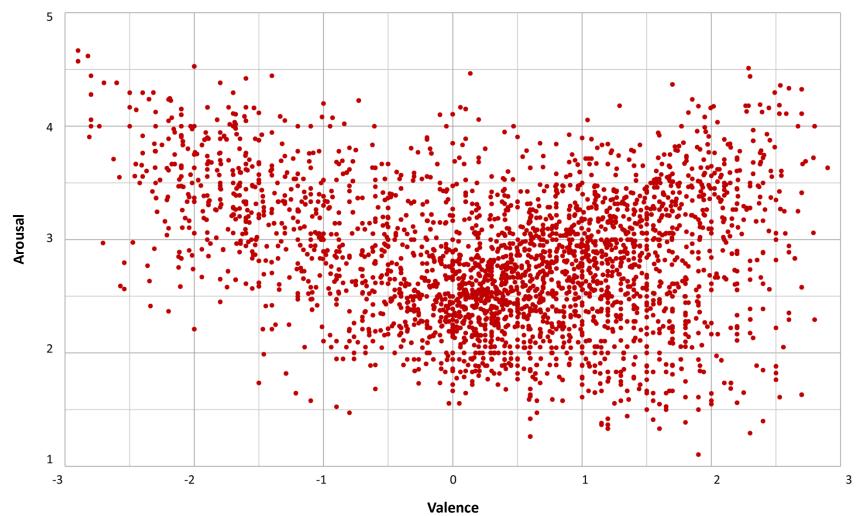




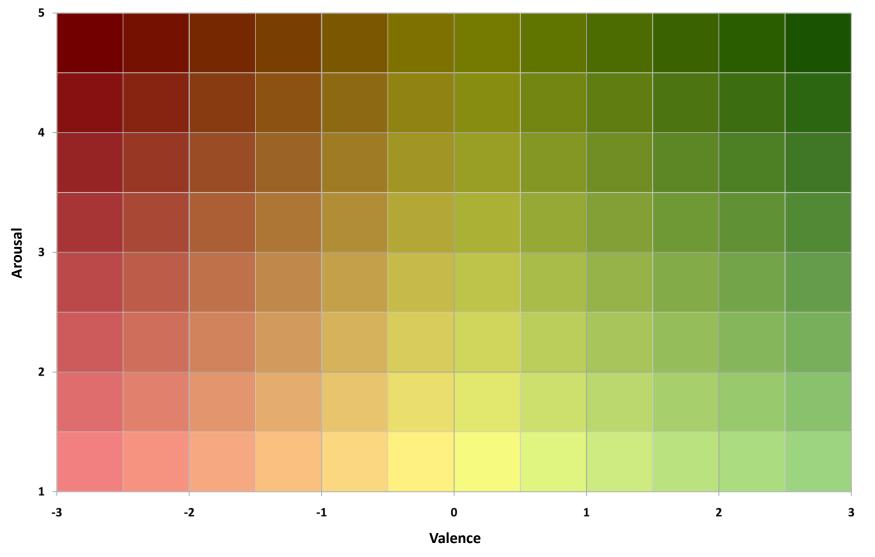


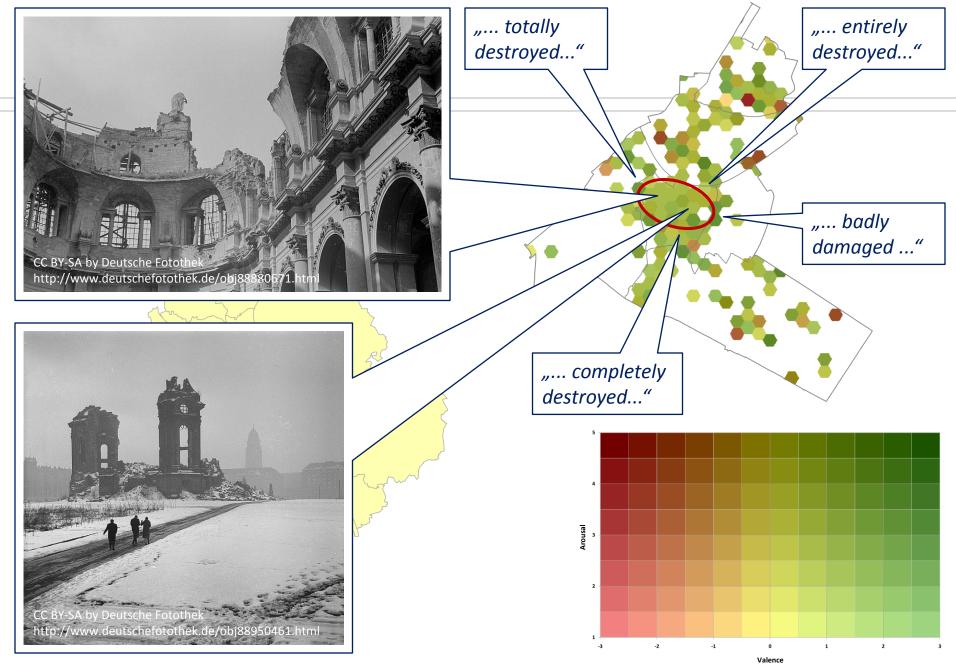


Emotional Analysis of Dresden without Consideration of Grammatical Special Cases









Detection, modelling and visualisation of space-related emotions from user-generated content



Problems and Weaknesses

- language processing
- degree words
- irony
- reference of photo description
- incorrect photo metadata
- validation of emotions



