Carnegie Mellon University



Unpacking a political icon: "Bike lanes" and orders of indexicality

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bike lanes in Pittsburgh

bike lanes in Pittsburgh



Photo: Business Insider

bike lanes in Pittsburgh





Carnegie Mellon University

Photo: Dayton.com



bike lanes in Pittsburgh







Photo: Business Insider

Photo: Dayton.com

Talk about States about bike lanes in Pittsburgh







Photo: Business Insider



Talk about States about bike lanes in Pittsburgh



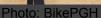




Photo: Business Inside

Photo: Dayton.com







Photo: WESA

"Are we still talking about a bike lane here?"

Motivating questions



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 How does something as simple as bike lanes gather so many associations?

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- How does something as simple as bike lanes gather so many associations?
- Do people with different perspectives on bike lanes argue for/challenge certain associations?

Ability of language to evoke contexts in which it occurs

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- Mapping from linguistic features to (social) context



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Levels of indexical meanings



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- New indexical orders build on, compete with existing orders (often ideological)
- Examples:
 - /ai/ Southern accent
 - T/V distinction

Data

Three events:

1. Downtown protected bike lanes (2014)

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- 2. Dennis Flanagan crash (2016)

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# documents	40
# tokens	29,534
# instances of bike lanes	216

- Downtown protected bike lanes (2014)
- 2. Dennis Flanagan crash (2016)
- 3. Mayoral primary (2017)

News articles	30
Opinion/blog posts	8
Comment threads	2
#comments	86

Indexical Overview	Pro-bike lane use	Anti-bike lane use
order		

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4th	Characteristics of a city that includes bike lane users	Tech companies; progressive; modern.	Ignores long-time residents and their interests

Indexical order	Overview	Example
1st	Physical space	"The city's second protected bike lane is nearing completion. Parallel parking separates the bike lanes from traffic adjacent to Phipps Conservatory. Parking in the bike lane is not legal"
2nd	Functions, effects	"The fact of the matter is that bike lanes save lives. They help keep Pittsburghers healthy."
3rd	Social identities: characteristics of bike lane users	"While I like bike lanes, not many of us use them" (Welch)
4th	Characteristics of a city that includes bike lane users	"tech companies ask for safe streets and to be able to ride a bike to work. Twenty-first century cities are being designed so that people don't have to own a car to be able to live and work in a city" (Peduto)

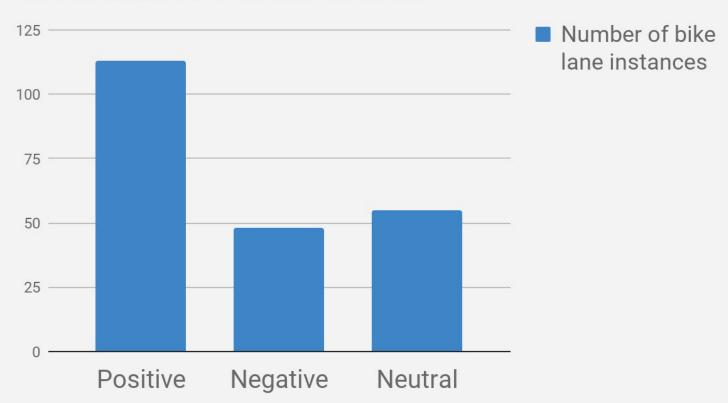
Methods

Concordance analysis

Looked at sentences surrounding each instance of bike lanes

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- Annotated for: sentiment, indexical order, event

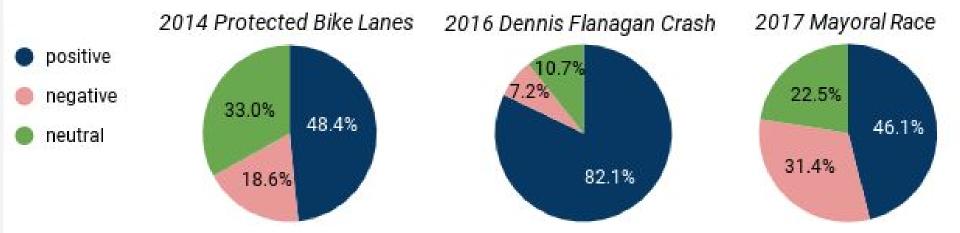
Sentiment across bike lane instances



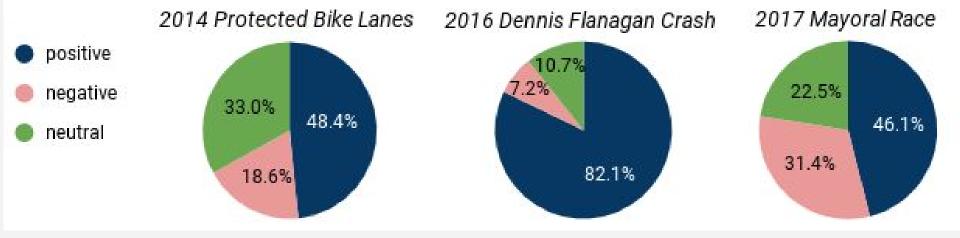
Indexical orders across bike lane instances



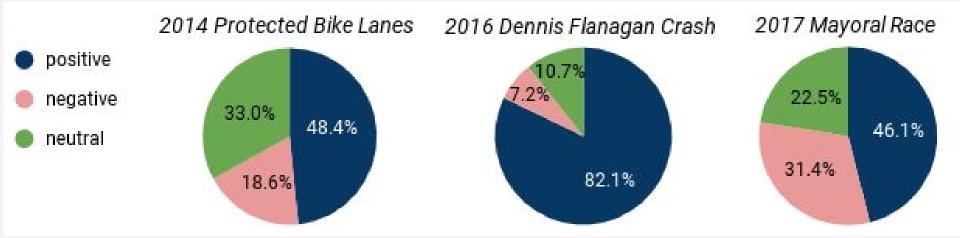
Findings

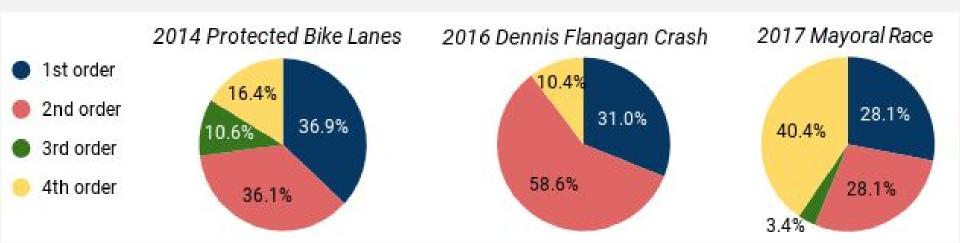


Most positive: crash (bike lanes could save lives)

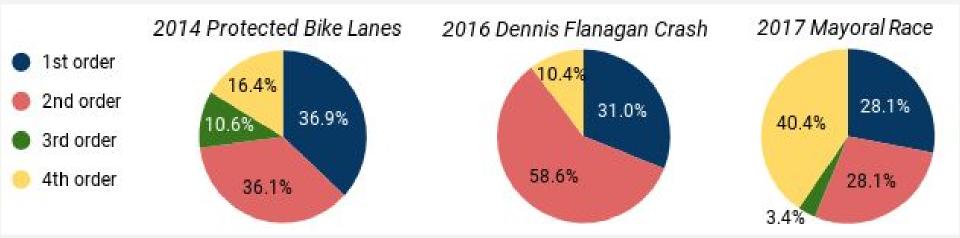


- Most positive: crash (bike lanes could save lives)
- Most negative: mayoral race (bike lanes are unpopular)

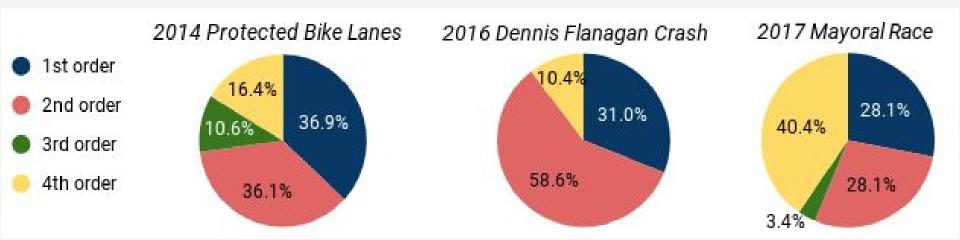




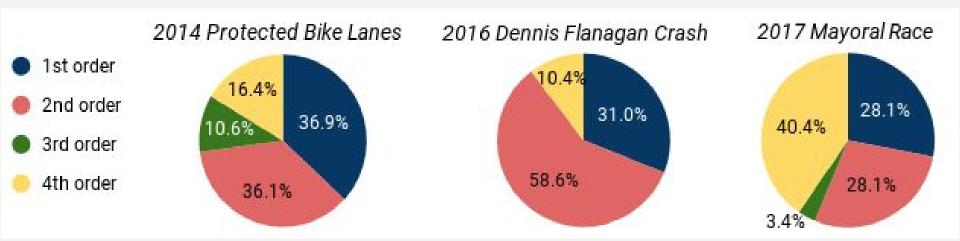
1st order: installation of bike lanes



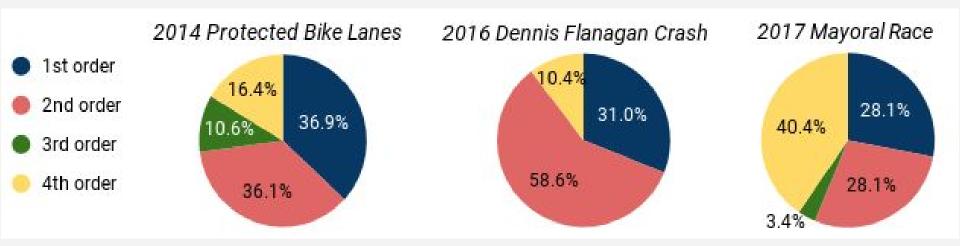
- 1st order: installation of bike lanes
- 2nd order: crash

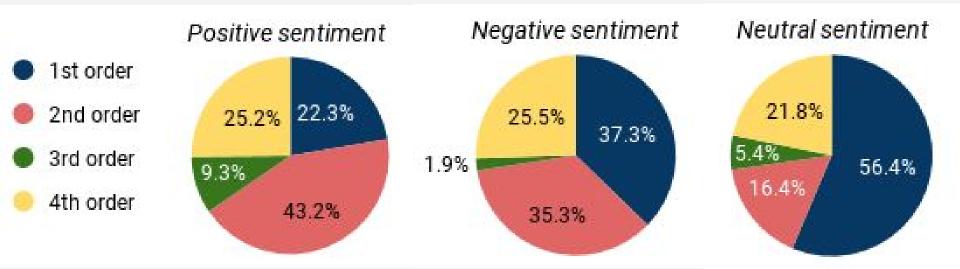


- 1st order: installation of bike lanes
- 2nd order: crash
- 3nd order: installation of bike lanes (culture change?)

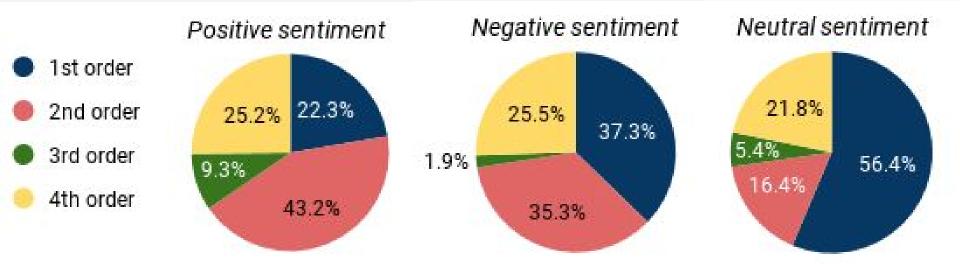


- 1st order: installation of bike lanes
- 2nd order: crash
- 3nd order: installation of bike lanes (culture change?)
- 4th order: mayoral race

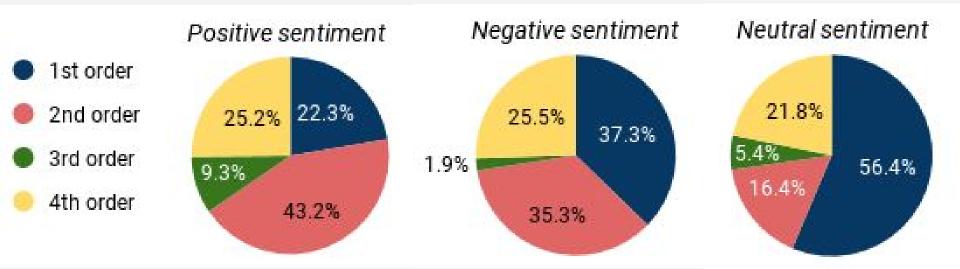




Positive instances stressing 2nd order (safety)



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- Negative instances operating on 1st order (use of space)



Conclusion





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 - > Text from different groups reinforce bike lanes in indexical orders conducive to their argument

Thank you!

