



BACKGROUND

Tyneside English:



(Corrigan et al. 2012)

- 3 variants associated with region

Variants:

	FACE	GOAT
Closing diphthong	[eɪ]	[oʊ]
Monophthong	[e:]	[o:] / [e:]
Centring diphthong	[ɪə]	[ʊə]

(adapted from Wells 1982; Watt 2000, 2002)

Emerging Adulthood:

- Stage of life between the ages 18 and 25
- Transition between childhood and adulthood
- Characterised by exploration of self, orientation within semiotic landscape (Arnett 2000)
- “rapid and complex changes in beliefs, behaviours, and overall self-identity” (Bigham 2012: 534)

Linguistic Marketplace Pressures:

- Underlying pressures for individuals to shift towards a variety regarded as a more appropriate or elite variety (Bourdieu & Bolanski 1975; Sankoff & Laberge 1978)

DATA

Real time panel study:

- 3 waves (2010, 2014 & 2019)

Speaker:

- Charlotte (from Northeast England)
 - T1 = 2010: 20 years old, student
 - T2 = 2014: 24 years old, PhD candidate
 - T3 = 2019: 29 years old, lecturer (humanities)

RESEARCH QUESTIONS

1. Does the speaker exhibit linguistic malleability as she moves into emergent adulthood?
2. What are the factors influencing intra speaker variability?

METHODS

- Forced aligned with LABB-CAT (Fromont & Hay 2012)
- Formant extraction in R
 - Script (James Grama & Simon Gonzalez)
 - F1/F2 measurements extracted at 7 points 20-80%
 - Lobanov (1971) normalised
- Variants coded auditorily

Statistical Analysis:

- Chi-Square (for auditory changes)
- Linear mixed effect models for acoustic work: Imer in R (Bates et al. 2021)

DISCUSSION & CONCLUSION

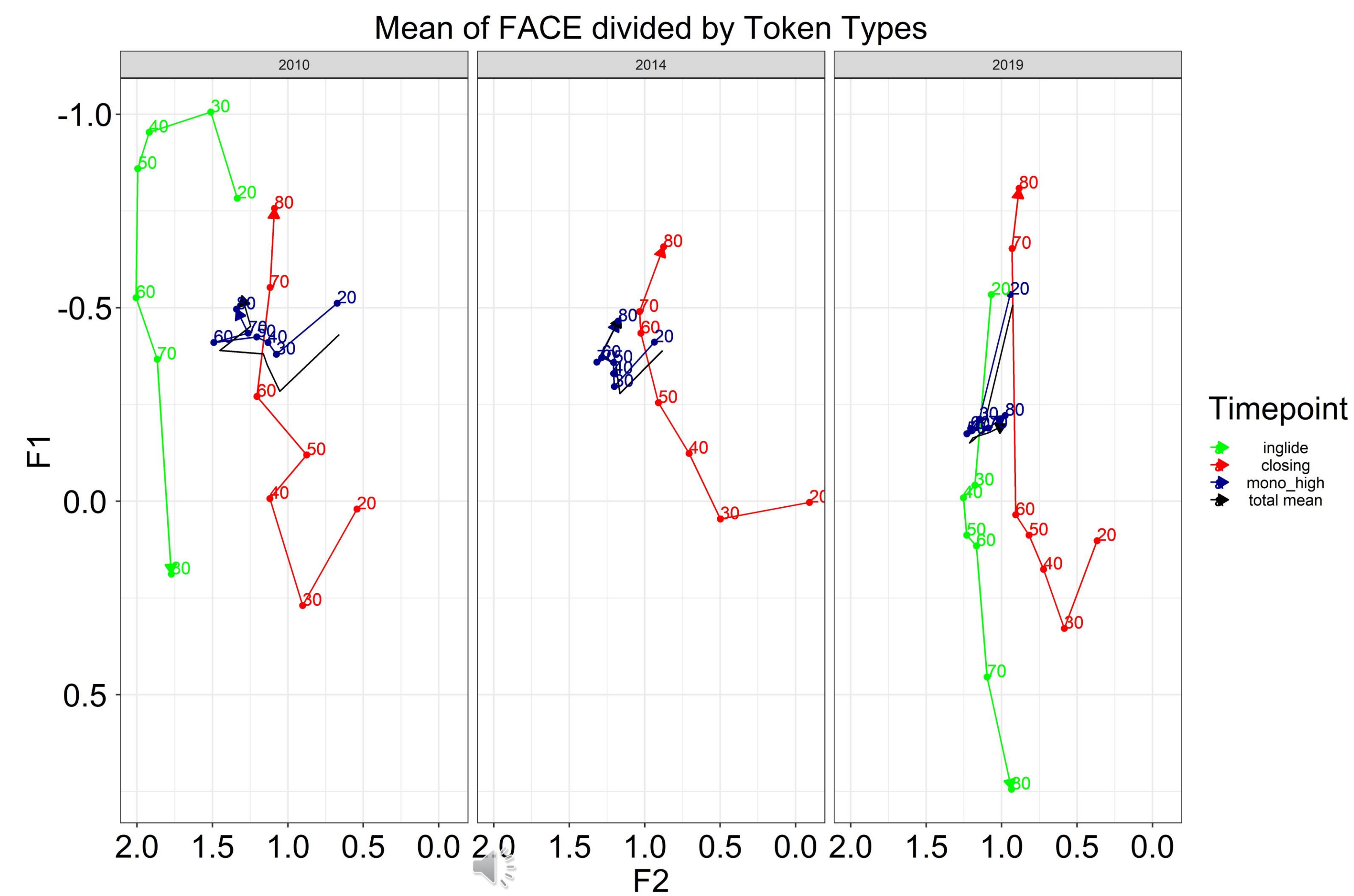
Contrary to previous research FACE and GOAT do not behave in lockstep (Watt 2000, 2002; Haddican et al. 2013)

Influences:

- Emerging adulthood
 - receptive to change
- Linguistic marketplace pressures (university context)
 - T1 to T2: movement towards supralocal variant
- Peer pressure: monophthongs (Watt 2002)
- Dialect awareness & dialect as identity: lecturer in humanities still North England
 - T2 to T3: movement back towards local forms

RESULTS

FACE



Auditory Coding:

Vowel Types	T1	T2	T3
Closing Variant	17 (16%)	9 (5%)	7 (4.24%)
Ingling Variant	1 (1%)	0 (0%)	8 (4.85%)
Monophthongal Variant	91 (83%)	162 (95%)	150 (90.91%)
	109	171	165

$\chi^2 = 172.98$, $df = 4$, $p < 2.2e-16$:

significant ($p < 0.05$) for influence of the time point

→ change over life-time

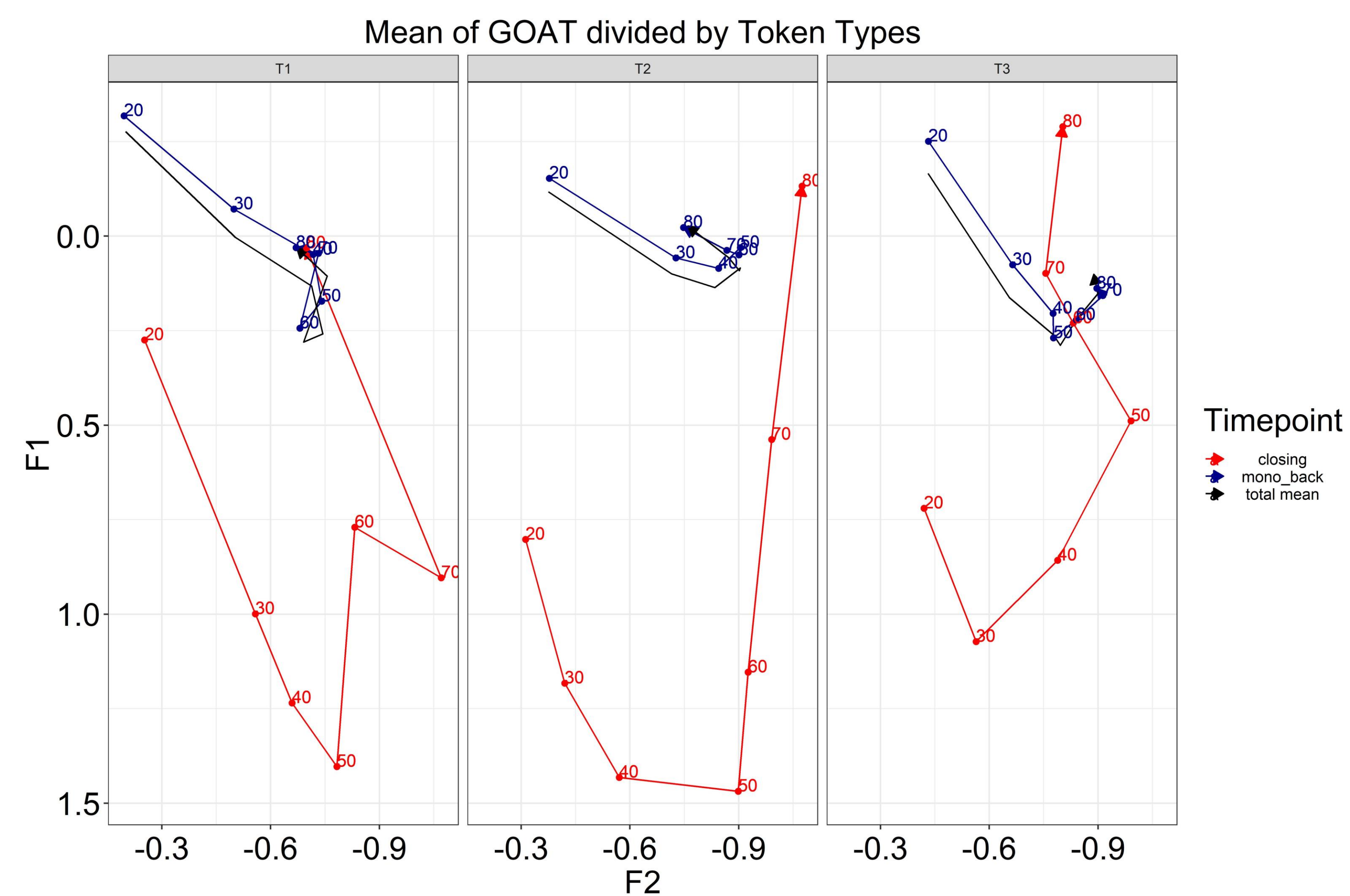
Findings auditory coding:

- Mostly monophthongs
- Closing variant:
 - decreasing over time
- Ingling variant:
 - increasing over time
- Change towards local variant over time

Findings Imer:

- Influence of phonological context
- Influence Time Point:**
 - F1:
 - Monophthongs: T2 to T3
 - Euclidean Distance:**
 - Inconclusive
 - Unusual high onset in monophthongs in T3

GOAT



Auditory Coding:

Vowel Types	T1	T2	T3
Closing Variant	12 (7%)	7 (4%)	16 (9%)
Monophthongal Variant	159 (93%)	179 (96%)	167 (91%)
	171	186	183

$\chi^2 = 27.247$, $df = 2$, $p\text{-value} = 1.212e-06$:

significant ($p < 0.05$) for influence of the time point

→ change over life-time

Findings auditory coding:

- Mostly monophthongs
- Closing variant:
 - Decreasing in T1 to T2
 - Increasing in T2 to T3
 - No centring diphthongs

Findings Imer:

- Influence of phonological context
- Influence of time point:**
 - F1:
 - Closing variant: T2 to T3
 - Monophthongs: T1 to T2 & T2 to T3
 - Higher vowels in T2 and lowered again in T3
 - F2:
 - Monophthongs: T1 to T3
 - Backer vowels in T2