

# Choosing between variables

## Monophthongization and raising in early Utah English

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What happens when two features aren't completely independent, but interact?

What sort of order can emerge from that particular chaos?

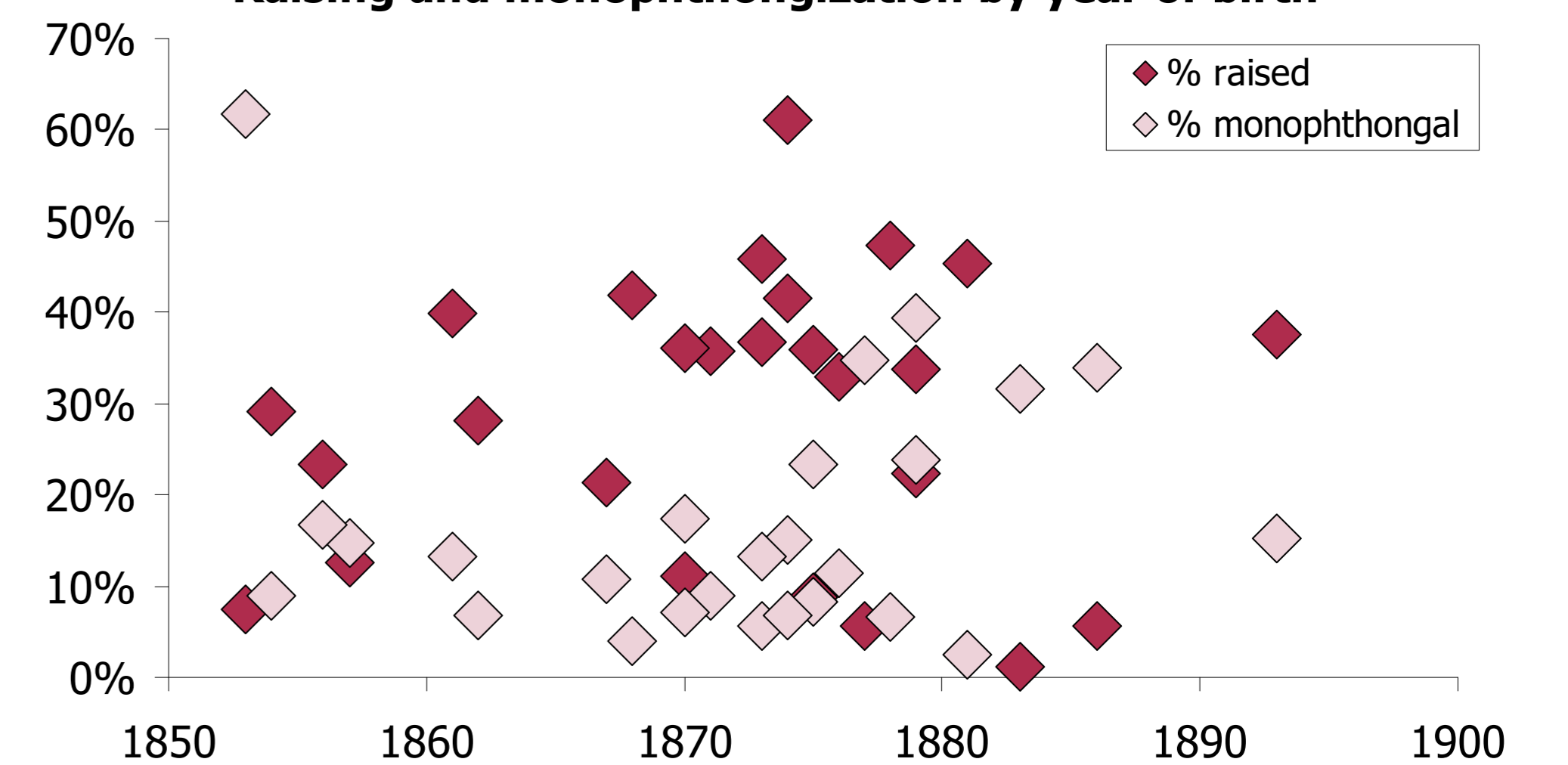
### Tokens

Number of tokens:	9,196	overall
	7,347	/ay/
	1,849	/aw/
Rate of monophthongization:	15.99%	overall
	15.95%	/ay/
	16.12%	/aw/
Rate of raising:	27.65%	overall
	28.68%	/ay/
	23.58%	/aw/

### Realizations

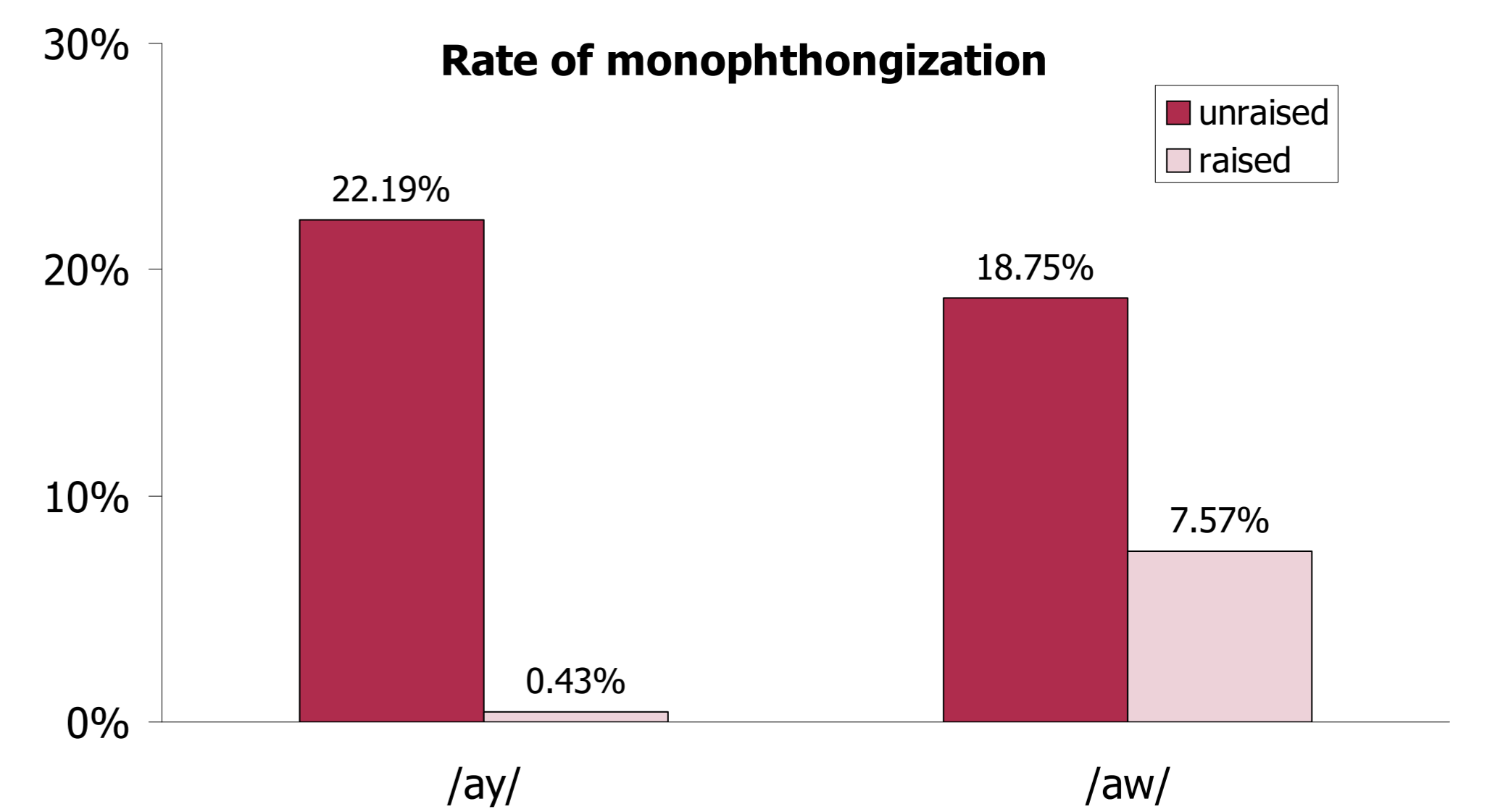
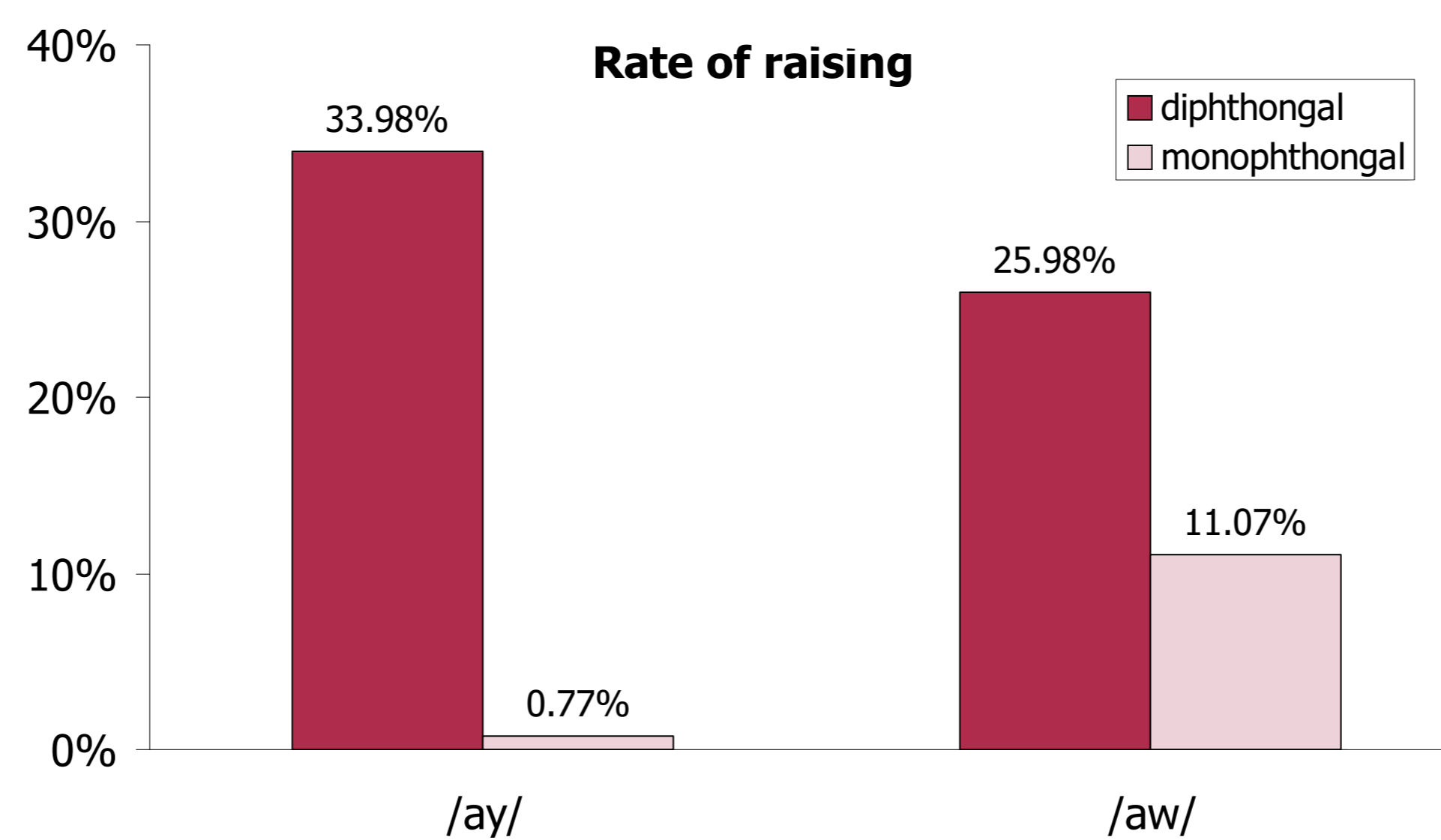
	ay	aw
unraised & diphthongal:	ay 55.49%	aw 62.09%
raised & diphthongal:	ay 28.56%	aw 21.80%
unraised & monophthongal:	a 15.83%	a 14.33%
raised & monophthongal:	ʌ 0.12%	ʌ 1.78%

Raising and monophthongization by year of birth



### Speakers

Number of speakers:	26
Characteristics of speakers:	male upper-class natives of the Utah Territory born between 1847 and 1896
Context of speeches:	public religious addresses recorded in the 1930s



### VARBRUL analysis

Dependent variables: raising and monophthongization  
 Independent variables tracked: raising or monophthongization, preceding sound, following sound, syllable stress, style, age of speaker

Significant for /ay/-raising: all variables  
 Significant for /aw/-raising: all variables  
 Significant for /aw/-monophthongization: all variables except style  
 Significant for /ay/-monophthongization: all variables  
 VARBRUL software used: GOLDVARB 2001

