

Understanding Language Evolution Using an Event-Based Model

Appendices

1. Character Assignments
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3. Concepts Used
4. Results

Appendix 1 - Character Assignments

Each segment gets a different number

1	?	2	u	3	t	4	i	5	l	6	k	7	r	8	h	9	a	10	s	11	n	12	p	13	o	14	f
15	m	16	e	17	η																						

Appendix 2 - Partition Assignments

Model: “Linguistically Informed”

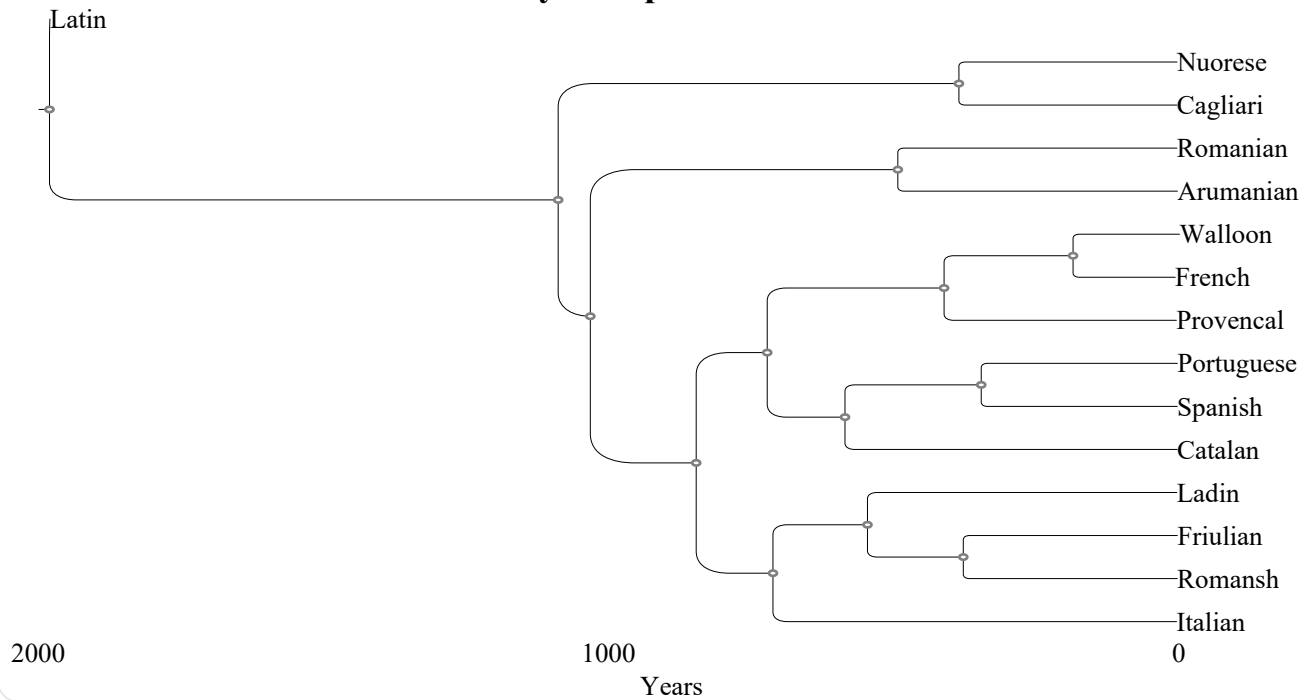
1) e	e
2) i	i
3) a	a
4) u	u
5) o	o
6) Nasal Consonant	n m ŋ
7) Non Sylabic Sonorant	l r
8) Consonant	? t k h s p f

Appendix 3 - Concepts Used

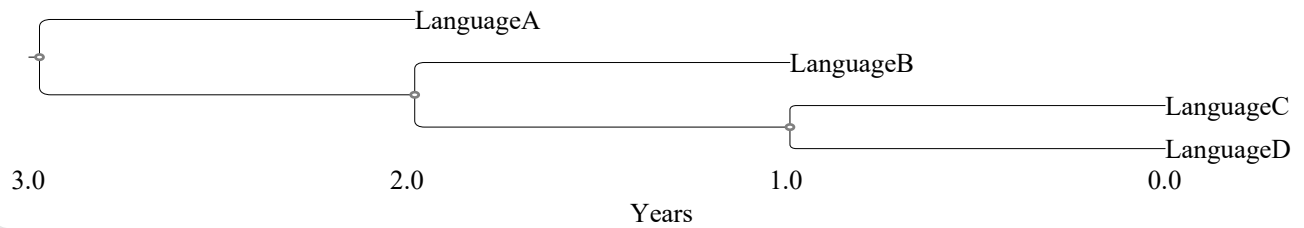
	Fish-Primary	Water-Primary	Earth-Primary	Rain-Primary
LanguageA	? u t i l	i h a r a	n a ?	p o p a t
LanguageB	u t i l -	i a r a -	n a -	f o f a ?
LanguageC	k u r i l	i s a r a	n a k	p o p a t
LanguageD	k u l i l	i s a l a	n a k	p o p a t
	Cloud-Primary	Wind-Primary	Man-Primary	Woman-Primary
LanguageA	u r u ?	h i t u	l a m i	n a r i t
LanguageB	u r u -	i t u -	l a m i	n a r i ?
LanguageC	u r u -	s i r u	l a m i	n a r i t
LanguageD	u l u -	s i l u	l a m i	n a l i t
	Child-Primary	House-Primary	Forest-Primary	Walk-Primary
LanguageA	h e l u	m u m a ŋ	a l a h	h u t u p
LanguageB	e l u -	m u m a ŋ	a l a -	u t u ? -
LanguageC	h e l u	m u m a ŋ	a l a s	s u r u p
LanguageD	h e l u	m u m a ŋ	a l a s	s u l u p
	Speak-Primary	Sleep-Primary	Bathe-Primary	Black-Primary
LanguageA	r u m u n	? u r o m	a t a r	? a ? u
LanguageB	r u m u ŋ	u r o ŋ -	a t a r	a u - -
LanguageC	r u m u n	k u r o m	a r a r	a k u -
LanguageD	l u m u n	k u l o m	a l a l	a k u -
	White-Primary	Red-Primary	Green-Primary	Grass-Primary
LanguageA	t i ? a n	t e t u	l a h i ?	h a p i ?
LanguageB	t i a ŋ -	t e t u	l a i - -	a f i - -
LanguageC	t i a n -	t e r u	l a h i k	s a p i -
LanguageD	t i a n -	t e l u	l a h i k	s a p i -

Appendix 4 - Results

Commonly Accepted Romance Tree



Priors



Results

