

Patient 479

Montage

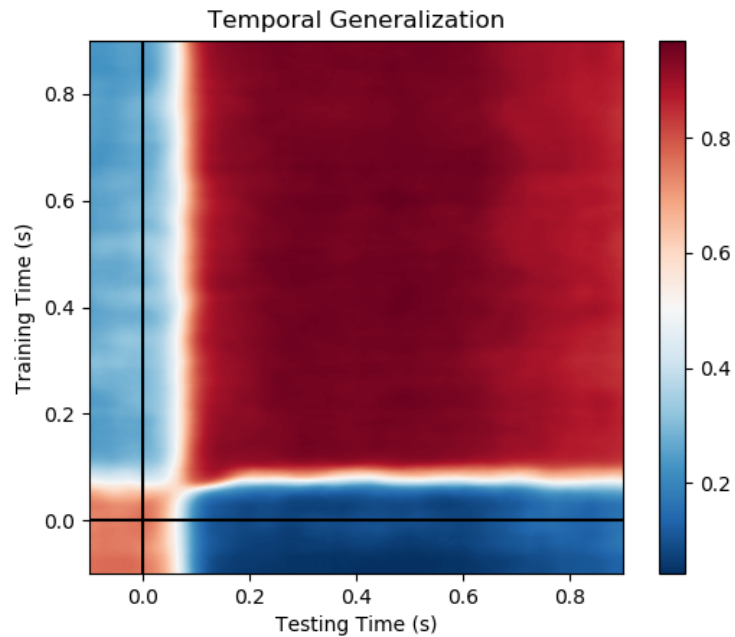
PHASE II DEPTH ELECTRODE IMPLANTATION

479

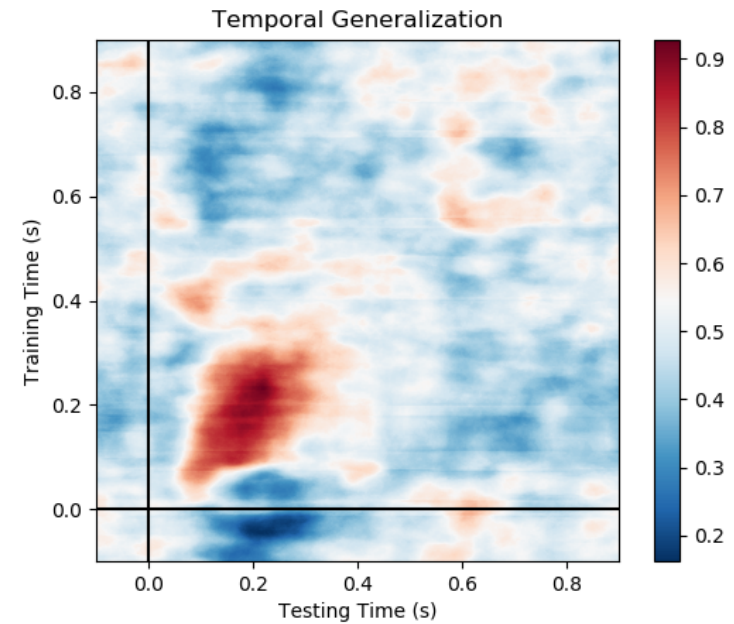
DEPTH	LABEL	MACRO	MICRO	LOCATION
<input type="checkbox"/> BF-7	RaSTG	384		Anterior Superior Temporal Gyrus
BF-7	RpSTG	316	Anatol	Posterior Superior Temporal Gyrus
BF-7	RpMTG	318		Posterior Middle Temporal Gyrus
BF-8	RIF-dAC	274		Inferior Frontal-dorsal Anterior Cingulate
BF-8	RTO	276		Temporal Occipital
BF-8	RPC	296		Posterior Cingulate Gyrus
<hr/>				
<input type="radio"/> BF-7	LAH	349	Nanthia N3b	Anterior Hippocampus
BF-7	LSTG	385	Anatol	Superior Temporal Gyrus

Patient 479

Auditory blocks (basic sanity checks)



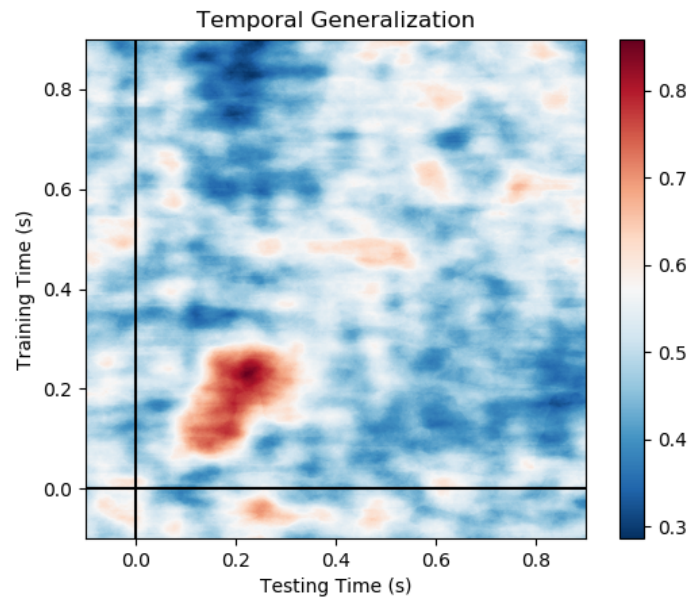
First word vs. end of sentence



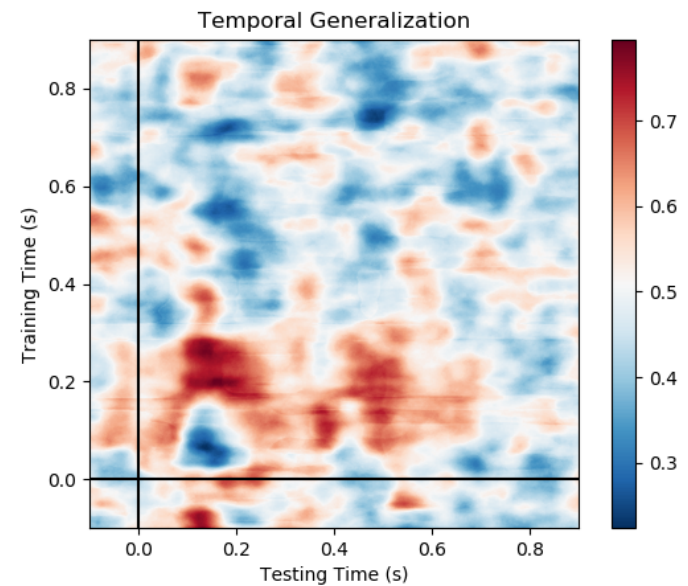
'Who' vs. 'She'

Patient 479

Auditory blocks – gender decoding



'He' vs. 'She'



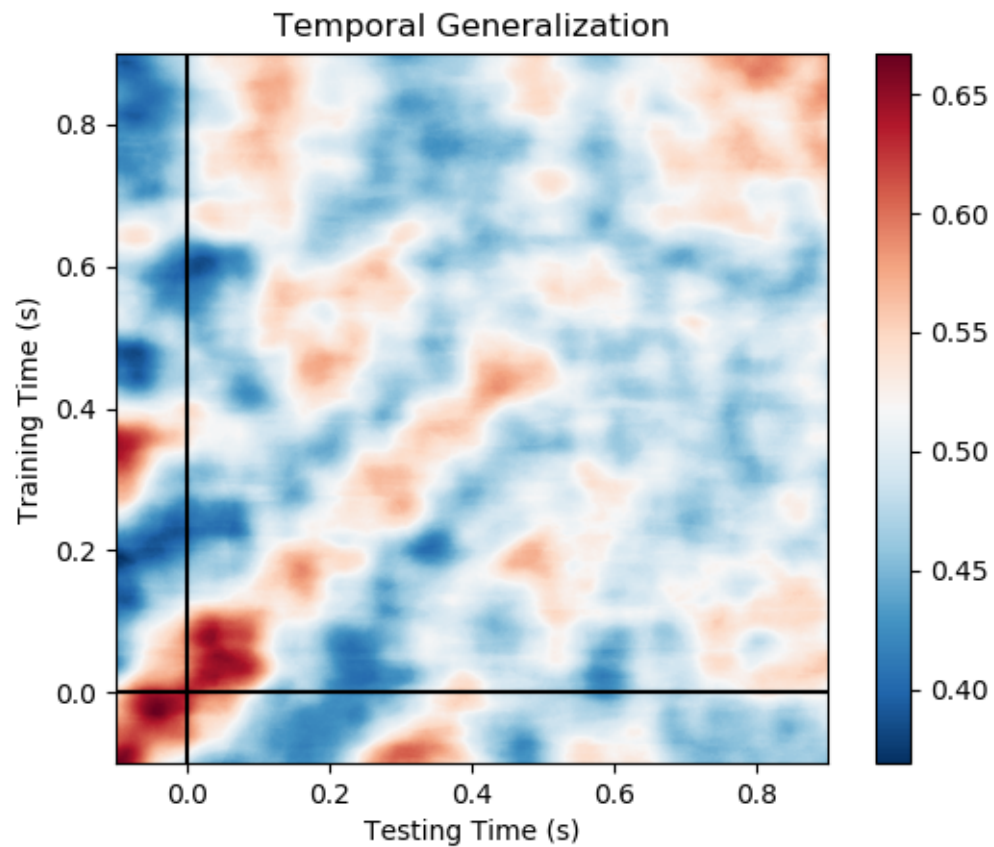
Generalization across conditions

Train: 'he' vs. 'she'

Test: 'boy' vs. 'girl'

Patient 479

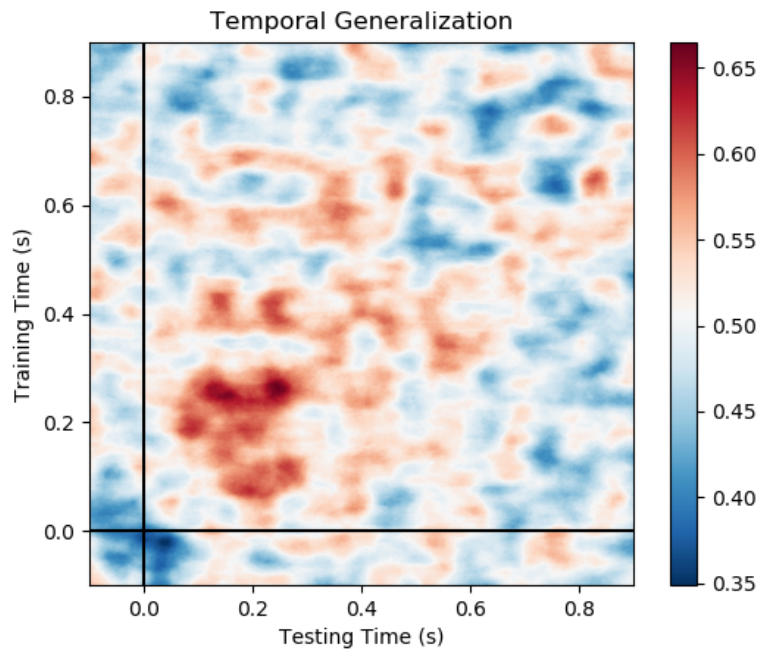
Auditory blocks – part of speech



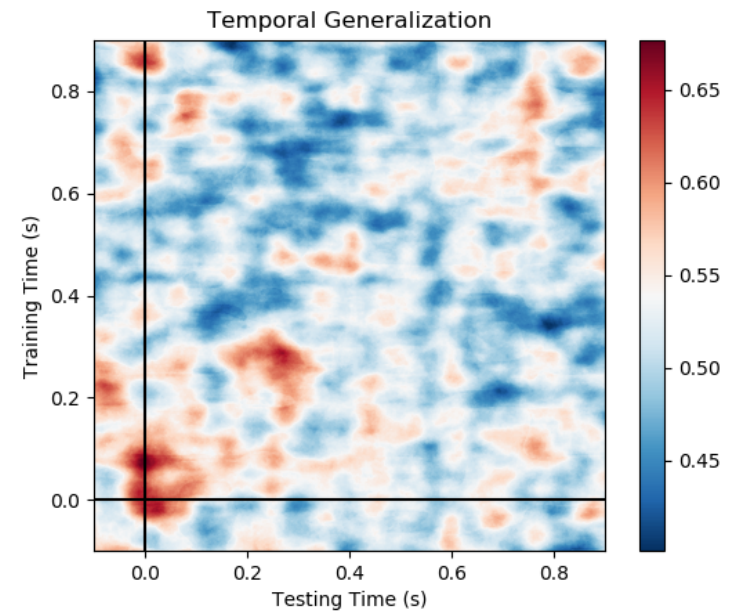
Nouns vs. Verbs

Patient 479

Visual blocks (basic sanity checks)



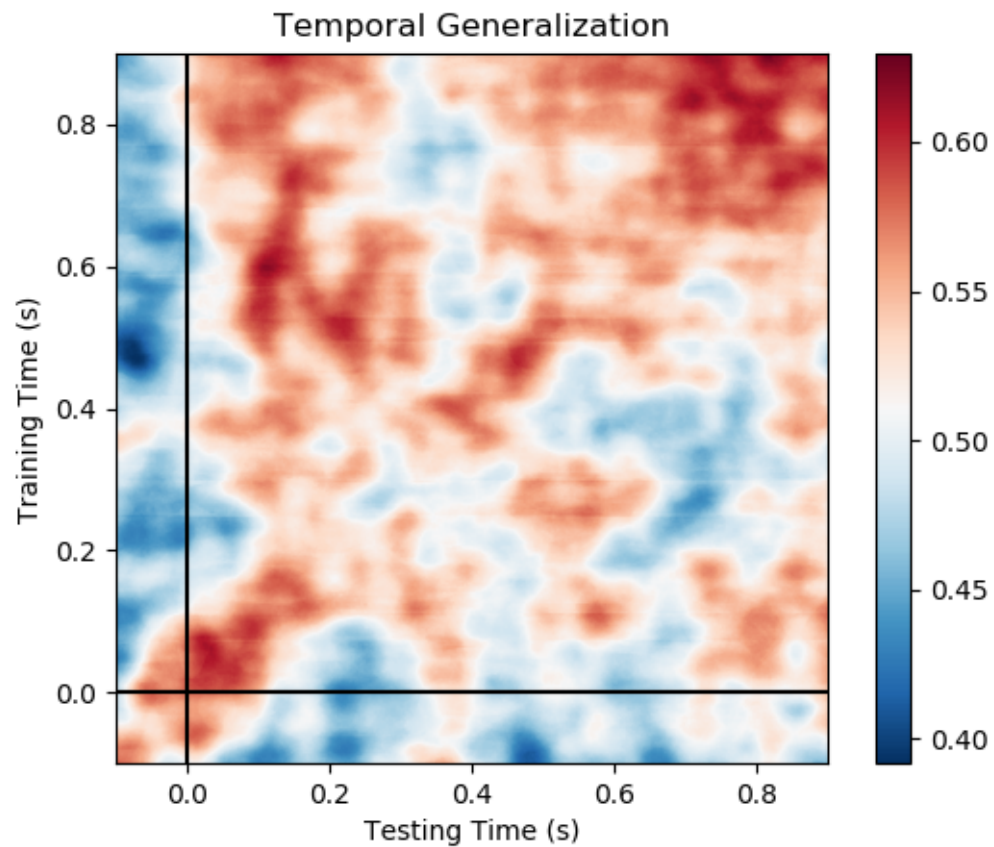
Short vs. long words



Short vs. long sentences
(#words=2 vs #words=5)
Aligned to end of sentence

Patient 479

Visual blocks – part of speech



Nouns vs. Verbs

Patient 482

Montage

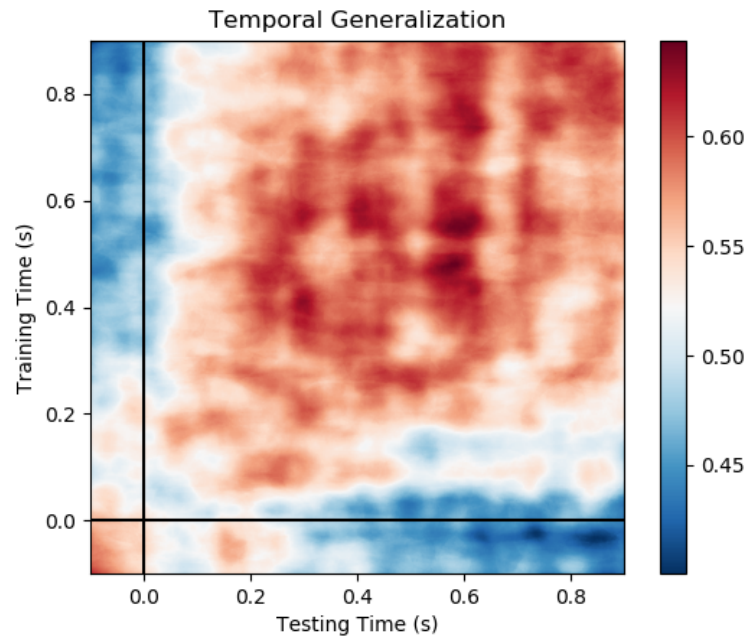
PHASE II DEPTH ELECTRODE IMPLANTATION

402

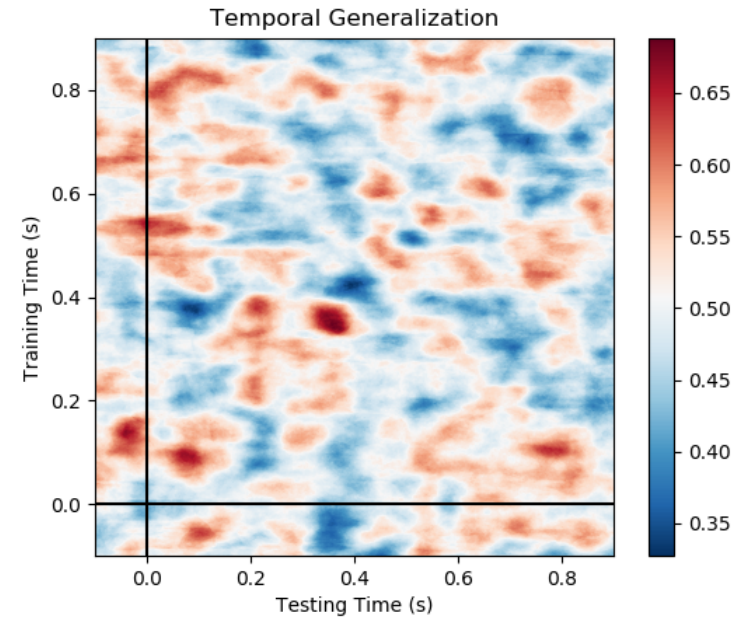
DEPTH	LABEL	MACRO	MICRO	LOCATION
<input type="checkbox"/>				
BF-7	RAH	418	Anatol	Anterior Hippocampus
BF-7	REC	374	Nanthia N3b	Entorhinal Cortex
BF-8	RIO	300		Inferior Occipital
<hr/>				
<input type="radio"/>				
BF-7	LA	369		Amygdala
BF-7	LAHs	367		Anterior Hippocampus (subiculum)
BF-7	LEC	373	Nanthia N3b	Entorhinal Cortex
BF-8	LPHG	389		Parahippocampal Gyrus
BF-7	LSTG	383		Superior Temporal Gyrus
BF-8	LIP	391		Inferior Parietal
BF-8	LIO	379		Inferior Occipital
BF-7	LO	387		Occipital

Patient 482

Auditory blocks (basic sanity checks)



First word vs. end of sentence



'Who' vs. 'She'

Patient 487

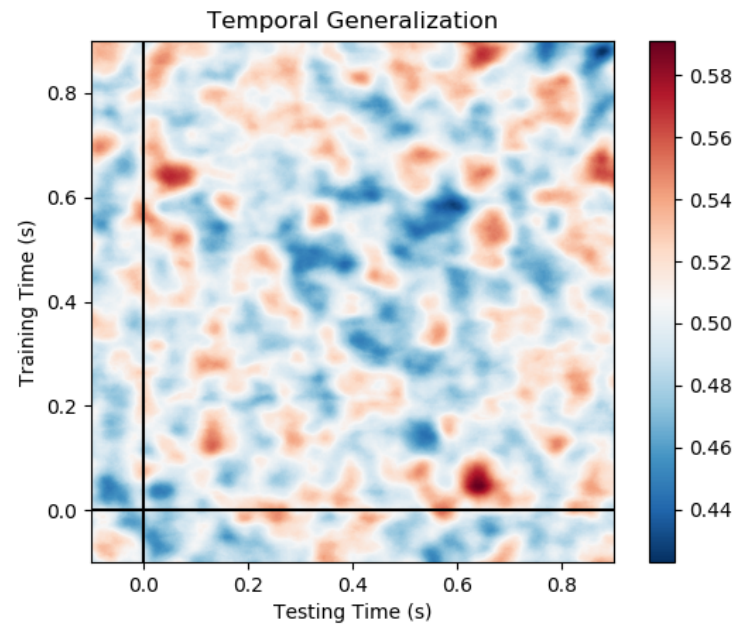
Montage

Exp #	Date	Exp Name/ File Name		Montage						Notes
15	8/12 5:04- 6:08	Syntax (Emily)		A1	436 REC	B1	435 LEC	C1	417 LPHG	Micro/Macro:
				A2	437 RAH	B2	425 LAH	C2	439 LSTG	Brain Region:
		Blackrock	Neuralynx	A3	494 RA	B3	467 LA	C3		Impedance:
				X	A4	502 ROP	B4	487 LOP	C4	
		Lab Manager:								
Notes: Ran on eyetracker cart with external keyboard to minimize noise from the computer. Task began at 5:04; Second round started w/o sound, so I canceled. Then patient used restroom and nurse hung IV bag.										
				A1		B1	1	C1		Micro/Macro:

Ran on eyetracker cart with external keyboard to minimize noise from the computer. Task began at 5:03. Second round started without sound so I canceled. Then patient used restroom and nurse hung IV bag.

Patient 487

Auditory blocks (basic sanity checks)



First word vs. end of sentence

Fails sanity check

Patient 493

Montage

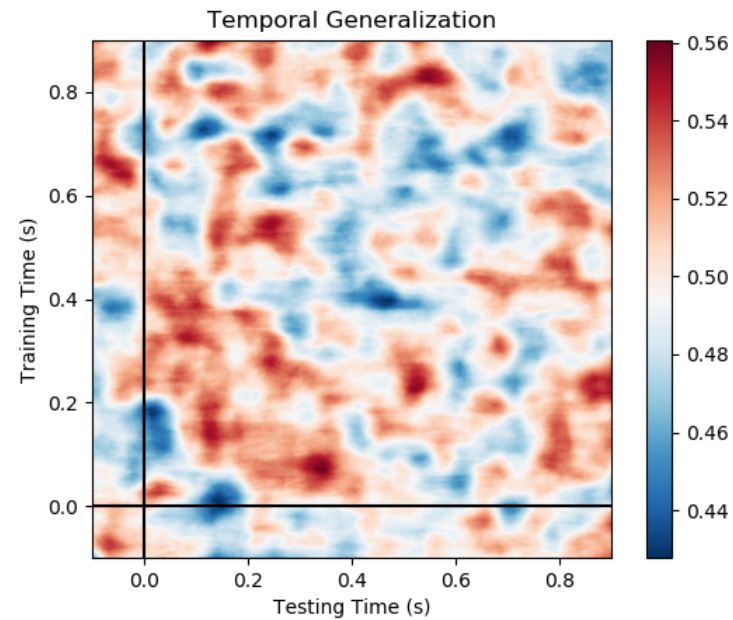
7	3/9/18	syntax 10:25 AM - 11:20 AM <hr/> NLX	A1	REC 526	B1	LEC 549	C1	ROF 574	Micro/Macro:
			A2	RAH 478	B2	LAH 479	C2	LOF 523	Brain Region:
			A3	RA 504	B3	LA 505	C3		Impedance:
			A4	RFSG 508	B4	LPHG 503	C4		Lab Manger: Michelle
Notes: LEC# 7, RA 3-6, = very active. patient falling asleep towards the end.									

Patient falling asleep towards the end

No STG electrodes

Patient 493

Auditory blocks (basic sanity checks)



First word vs. end of sentence

Fails sanity check