## Decoding analyses

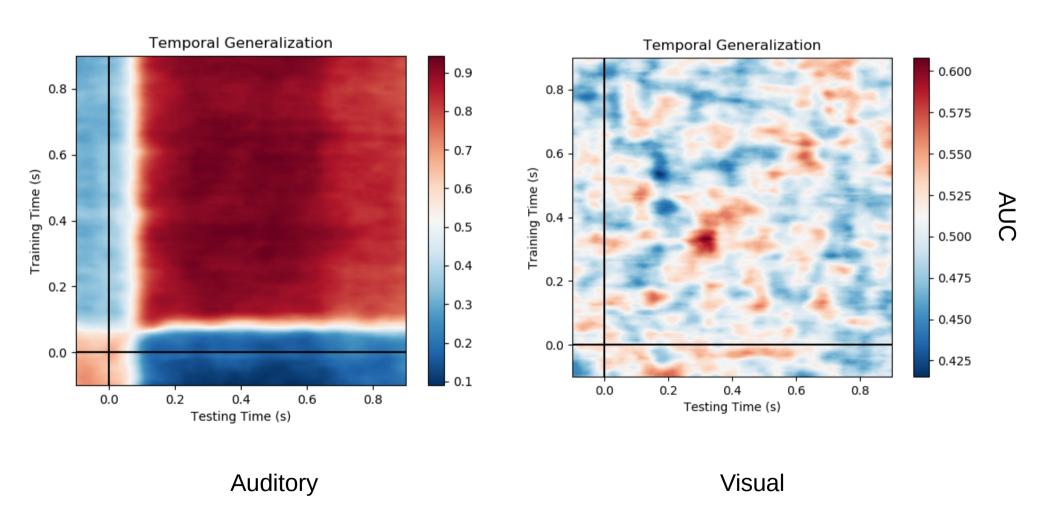
#### Preliminary decoding analyses, after having:

- re-synchronized the log files
- More data: patients 479, 482, 487 and 493

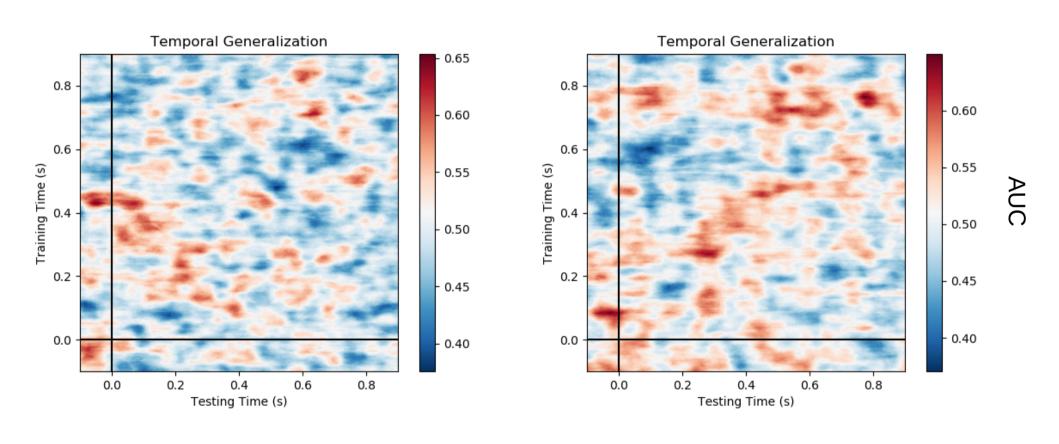
#### Contrasts:

- 1) First word vs. end-of-sentence (sanity check)
- 2) Short vs. longs sentences (sanity check for now, 2 vs. 5 words)
- 3) Part-of-speech (nouns vs. verbs present tense only)
- 4) Grammatical number of nouns (singular vs. plural; with across-modalities testing)
- 5) Grammatical number of verbs (singular vs. plural; with across-modalities testing)
- 6) Grammatical number generalization across conditions (nouns → verbs or verbs → nouns)
- 7) Grammatical number generalization across conditions and modalities (nouns-visual → verbs-auditory)
- 8) Declarative vs. question sentences

### First word vs end of sentence



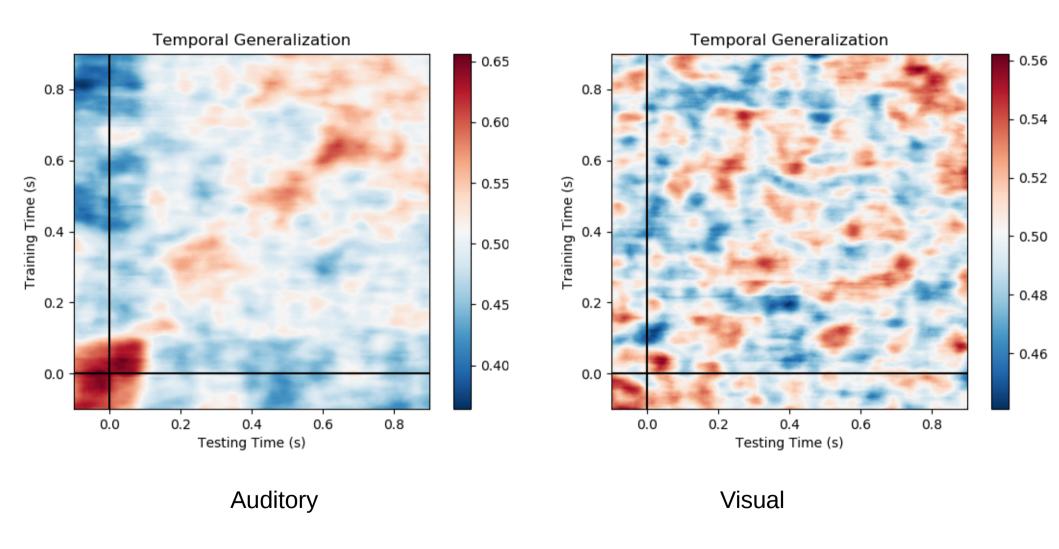
# Short vs. long sentence (2 vs 5 words)



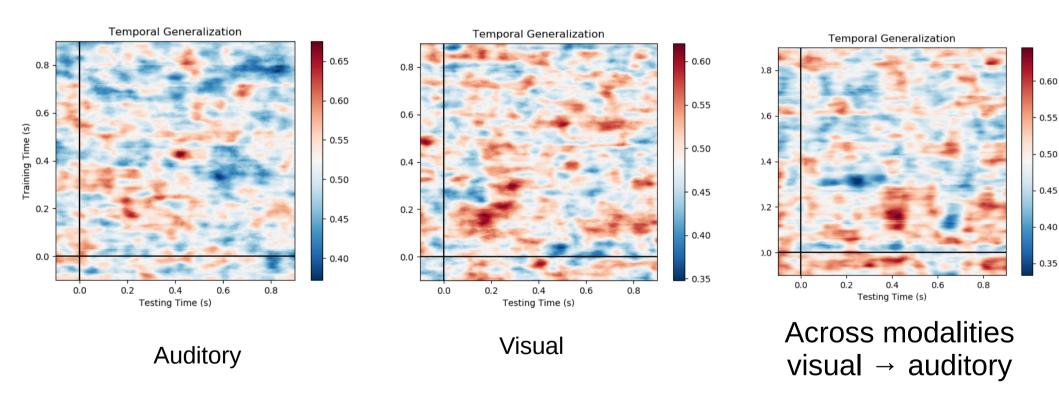
Auditory Visual

Time zero corresponds to end of sentence

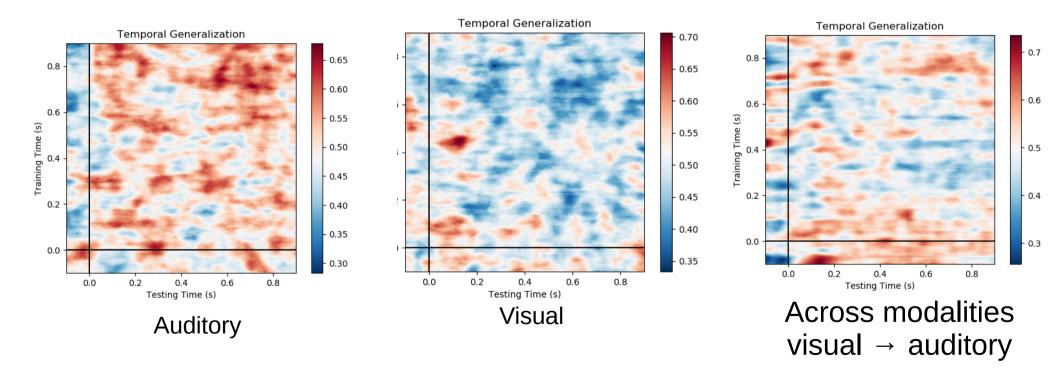
#### Nouns vs. verbs



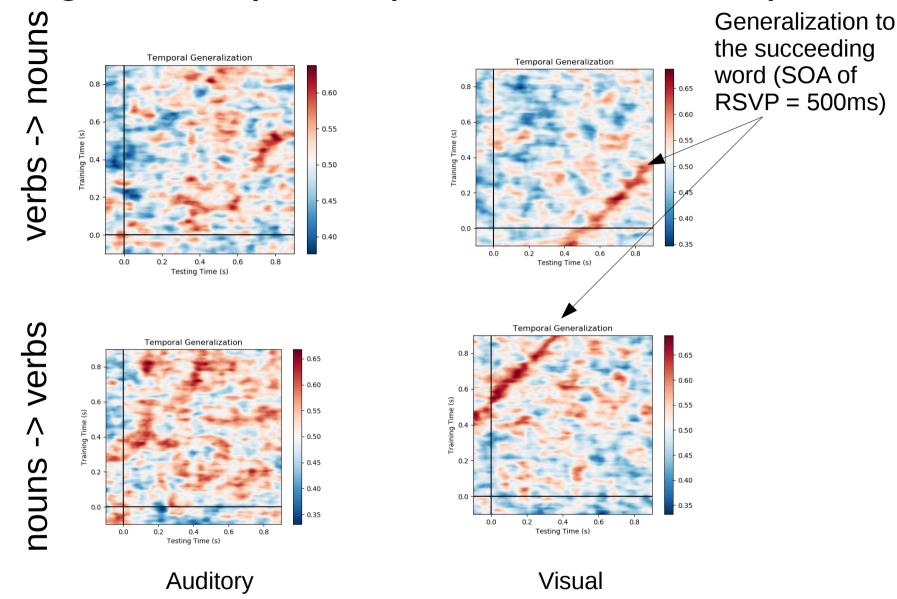
## Nouns: singular vs. plural



## Verbs: singular vs. plural

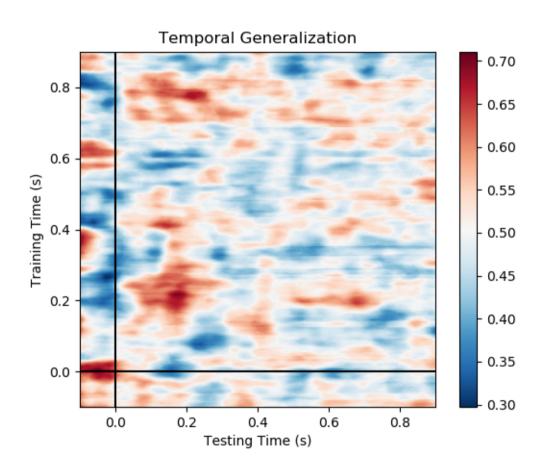


### singular vs. plural (across conditions)

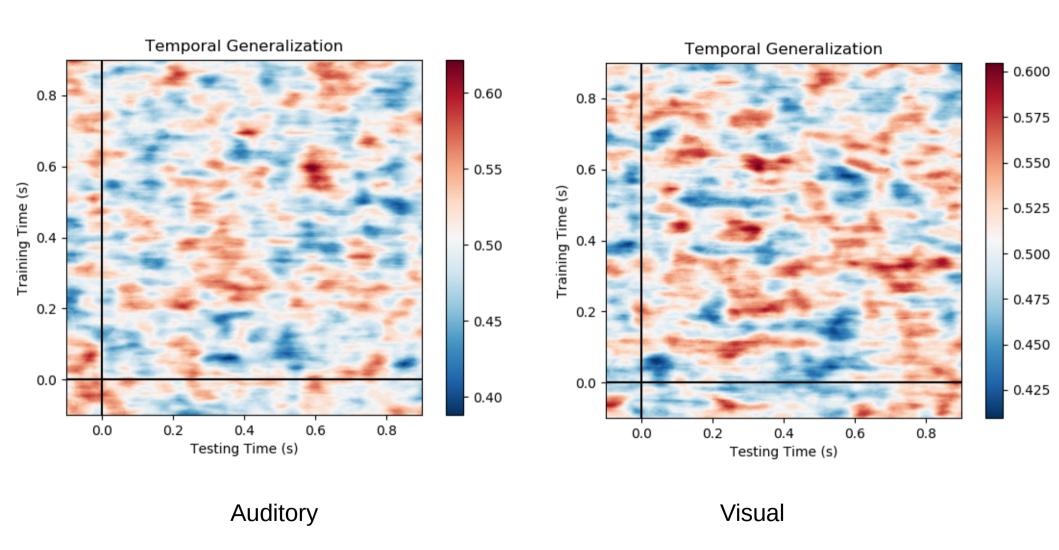


#### Singular vs. plural

(across conditions and modalities) nouns-visual-->verbs-auditory



## Declarative vs. question



Time zero corresponds to end of sentence