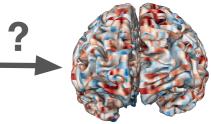
## **Incorporating Context into Language Encoding Models** for fMR Shailee Jain & Alexander G. Huth {shailee, huth}@cs.utexas.edu



...I reached over and slowly undid my seatbelt...'



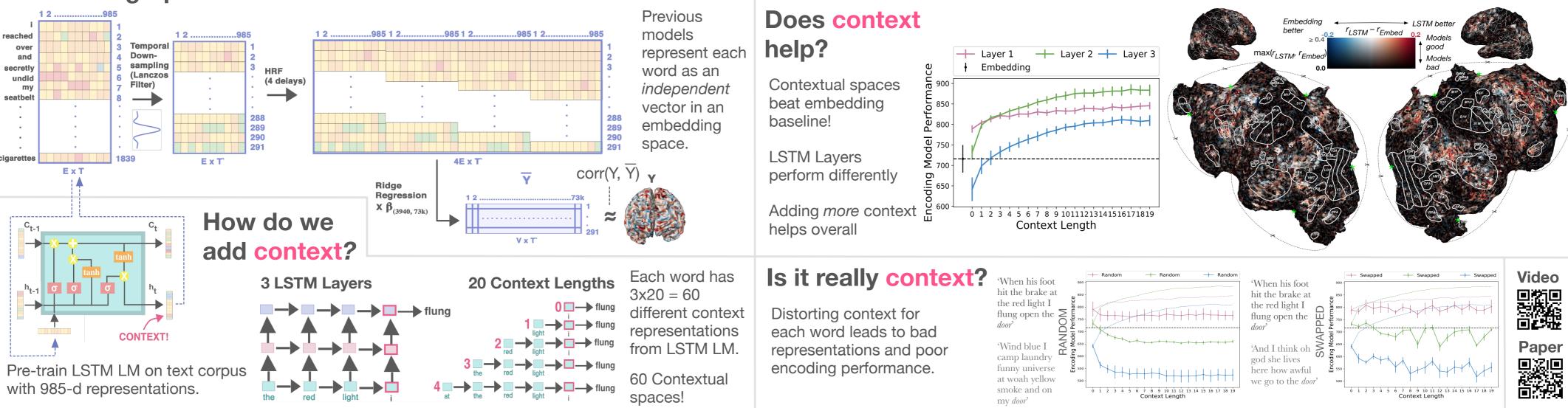
Stimulus: 11 natural. narrative stories from The Moth Radio Hour. (2 hours or ~23,800 words)

**Response:** BOLD recorded using 3T fMRI scanner. 6 subjects (2 female) Voxel size: 2.24x2.24x4.1 mm. TR: 2.0045 seconds.

(Huth, 2016 & deHeer, 2017)

## Low-level areas prefer shorter context. High-level semantic areas like long sequences. Context lend (words) Ventral temporal cortex

## **Embedding-space models**



huthlab



