VIDEO REPORT

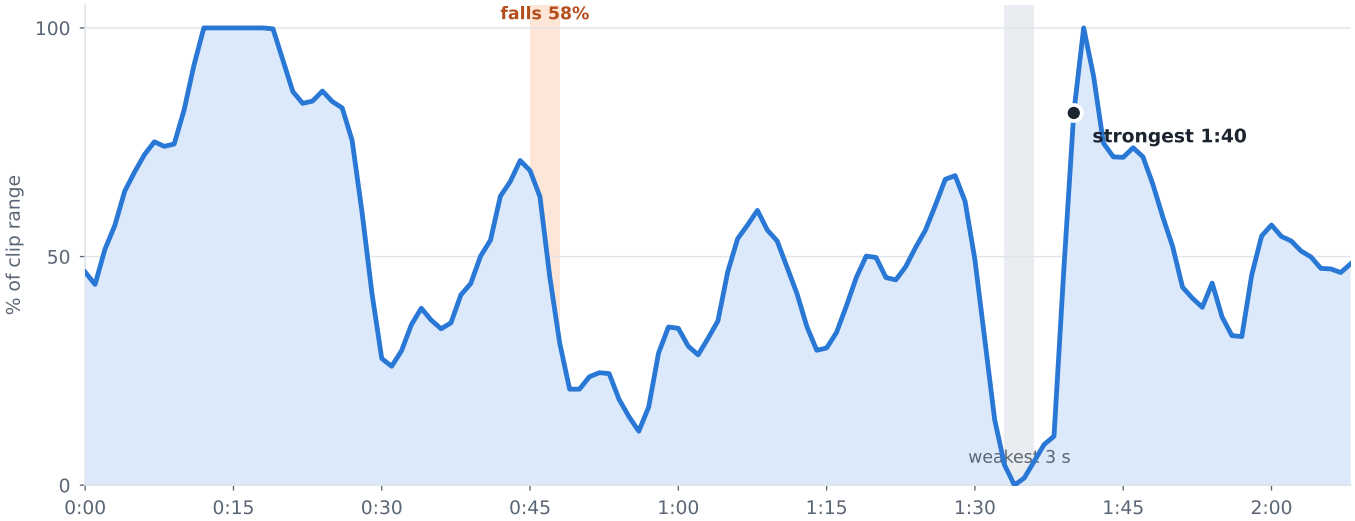
The Prophet’s house: 1400 years in two minutes



STRONGEST SECOND	STEEPEST FALL	WEAKEST 3 SECONDS	AVERAGE LEVEL
1:40	**58%**	**1:33 to 1:36**	**52%**
after the first three seconds	0:45 to 0:48	lowest stretch of the curve	of this clip's own range

Predicted response across the video

Each point is one second. The scale is this clip's own range: 0 is its lowest second, 100 its highest.



What the model predicts

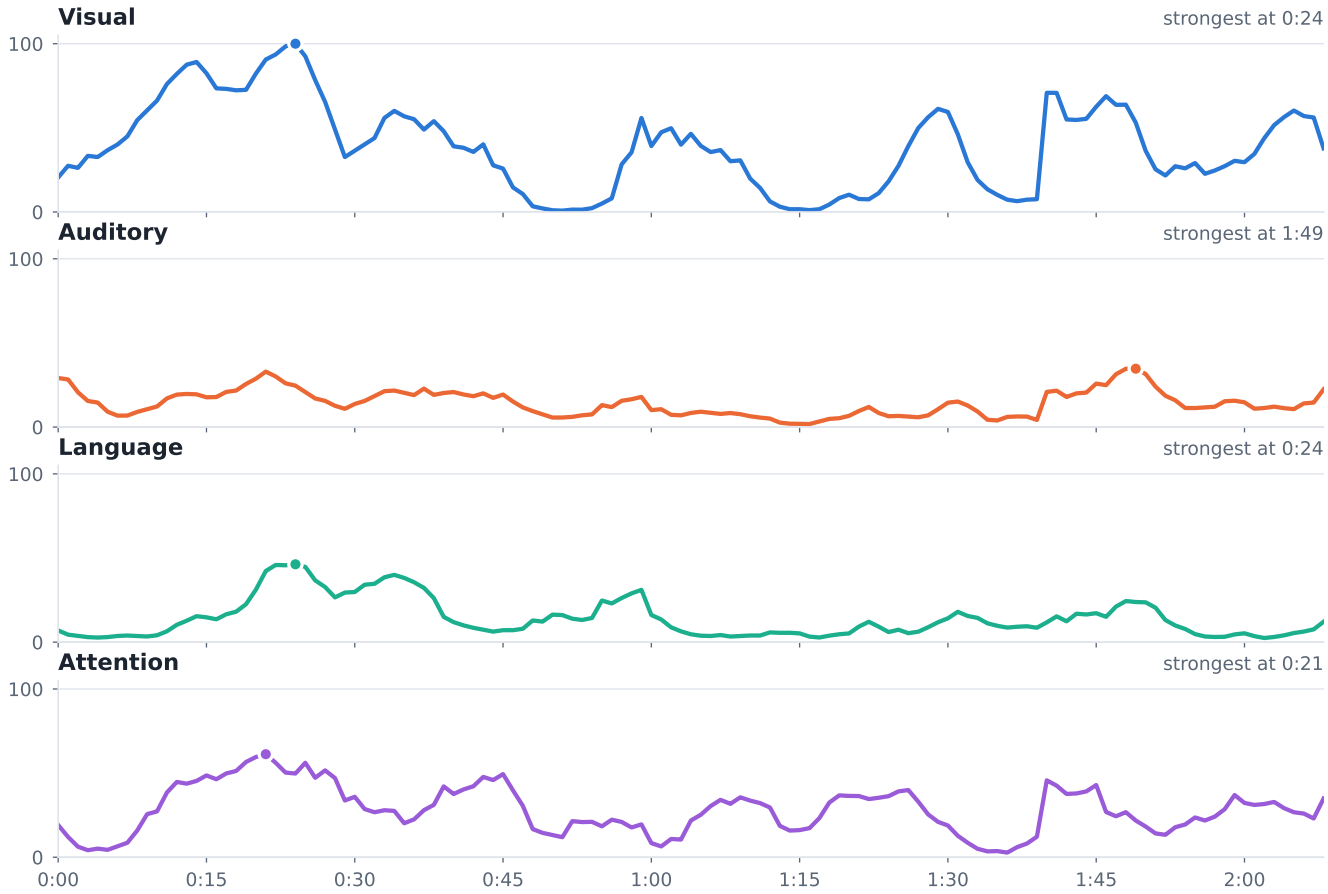
- After the first three seconds, the predicted brain response peaks at 1:40, the predicted response falls 58% between 0:45 and 0:48, and the weakest 3-second stretch is 1:33 to 1:36.
- After the fall at 0:48 the predicted response comes back up past its pre-fall level by 1:41 (148% of it), the strongest moment after the opening.
- The visual network has the highest predicted response for 65% of the clip, the attention network for 28%.
- Speech is present in 98% of the seconds; the words are set against the curve on the later pages.

In this report

Brain networks: which of the four networks leads, and when
Key moments: the seconds worth a close look, with the frame and the words
Every second: level, leading network, most active regions and words
How to read this report: what each number is and what it is not

Brain networks

The model's cortical prediction is summarised as four networks. Each panel is scaled to that network's own range within this clip, so compare the shape and the timing of the panels, not their heights.



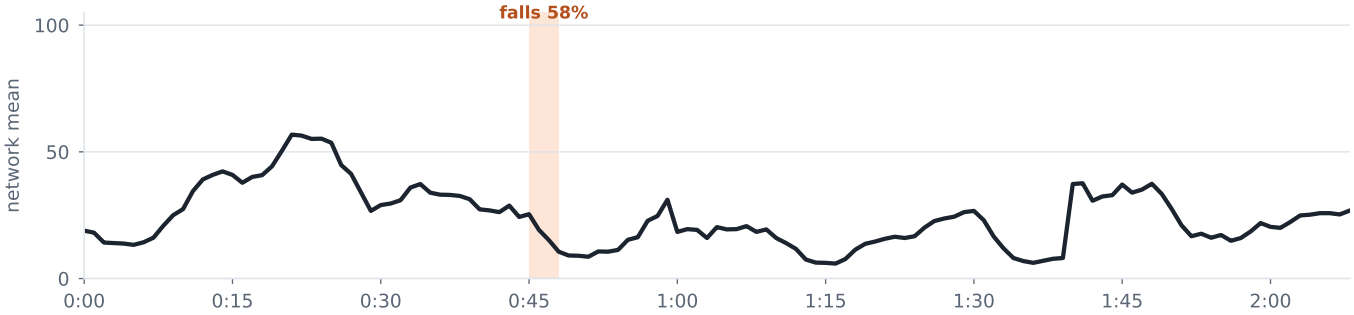
Leading network, second by second



NETWORK	LEADS FOR	SHARE OF THE CLIP	ITS STRONGEST SECOND
Visual	84 s	65%	0:24
Attention	36 s	28%	0:21
Language	7 s	5%	0:24
Auditory	2 s	2%	1:49

Mean of the four networks

This is the one series a percentage change is taken on, because it is not stretched to fill the chart. A fall is reported only when it starts at or above the clip average and loses 20% or more within three seconds.



Key moments

The seconds that define this video's predicted response. Levels are on the clip's own 0 to 100 range.

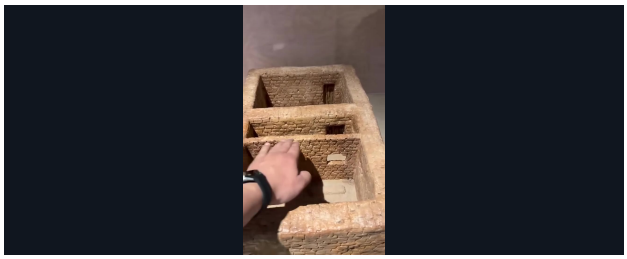


0:00 Opening

47 of 100

Leading network	Auditory
System	Auditory cortex
Regions	Anterior superior-temporal auditory; Parieto-occipital sulcus

“This is the dwelling of the best of mankind,”

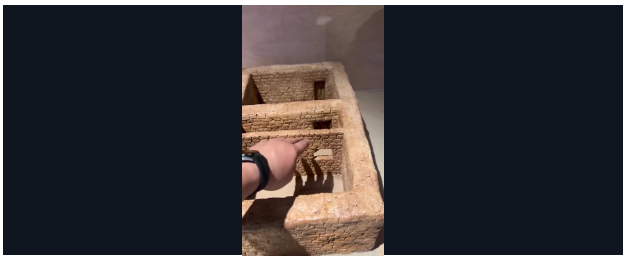


0:45 Fall begins

69 of 100

Leading network	Attention
System	Spatial attention
Regions	Intraparietal sulcus (spatial attention); Temporo-occipital visual

“And here they built a wall and left”



0:48 Fall ends

31 of 100

Leading network	Attention
System	Language network
Regions	Language network; Auditory area 5 (superior temporal)

“that the tabi 'een, meaning could come and give salam”



1:33 Weakest 3 s begin

4 of 100

Leading network	Visual
System	Scene & place recognition
Regions	Parahippocampal (scene); Ventro-medial visual (scene)

“giving salam. Some people think that buried here”

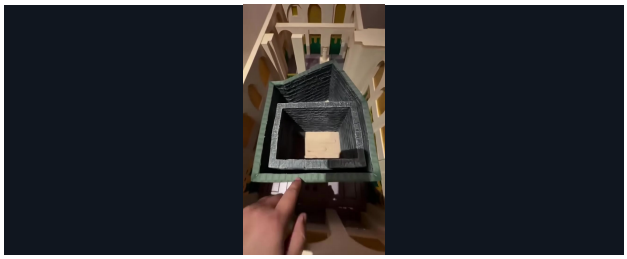


1:40 Strongest second

81 of 100

Leading network	Visual
System	Scene & place recognition
Regions	Ventro-medial visual (scene); Dorsal motion/form area

“doors. And inside we see this view”



1:41 Best after the fall

100 of 100

Leading network	Visual
System	Scene & place recognition
Regions	Ventro-medial visual (scene); Dorsal motion/form area

“And inside we see this view basically. You see the first”

Every second

One row per second. Level is the position on the clip's own 0 to 100 range. The strongest second is marked with a dot; rows inside the steepest fall are tinted. Words are listed at the second their line starts.

TIME	LEVEL	NETWORK	MOST ACTIVE REGIONS	WORDS	CONFID.
0:00	47	Auditory	Anterior superior-temporal auditory; Parieto-occipital sulcus	*This is the dwelling of the*	lower
0:01	44	Auditory	Anterior superior-temporal auditory; Ventro-medial visual (scene)	*the best of mankind, the*	lower
0:02	52	Visual	Ventro-medial visual (scene); Anterior superior-temporal auditory	*the Prophet when*	medium
0:03	57	Visual	Ventro-medial visual (scene); Higher visual: color + face/object patches	*when he lived here*	medium
0:04	64	Visual	Ventro-medial visual (scene); Higher visual: color + face/object patches	*here with Aisha. It had*	medium
0:05	68	Visual	Ventro-medial visual (scene); Higher visual: color + face/object patches	*had two entrances, one here*	medium
0:06	72	Visual	Ventro-medial visual (scene); Parahippocampal (scene)	*here and inside from*	medium
0:07	75	Visual	Ventro-medial visual (scene); Parahippocampal (scene)	*from the inner part basically*	medium
0:08	74	Visual	Ventro-medial visual (scene); Higher visual: color + face/object patches	*basically of the mosque,*	medium
0:09	75	Visual	Ventro-medial visual (scene); Intraparietal (attention)	*there was an entrance here.*	medium
0:10	82	Visual	Ventro-medial visual (scene); Upper visual field area	*This was a courtyard. And*	medium
0:11	92	Visual	Upper visual field area; Ventro-medial visual (scene)	*And this right here was*	medium
0:12	100	Visual	Ventro-medial visual (scene); Upper visual field area	*was the house itself where*	medium
0:13	100	Visual	Ventro-medial visual (scene); Dorsal visual V3B	*where they lived with Aisha.*	medium
0:14	100	Visual	Ventro-medial visual (scene); Dorsal visual V3B	*Aisha. Then, that*	medium
0:15	100	Visual	Ventro-medial visual (scene); Intraparietal (attention)	*that is after the Prophet*	medium
0:16	100	Visual	Ventro-medial visual (scene); Intraparietal (attention)	*Prophet passed*	medium
0:17	100	Visual	Intraparietal sulcus (spatial attention); Upper visual field area	*away, look, you*	lower
0:18	100	Visual	Intraparietal sulcus (spatial attention); Intraparietal (attention)	*you see they built a partition here*	lower
0:19	100	Visual	Intraparietal sulcus (spatial attention); Upper visual field area	*here and the Prophet's*	lower
0:20	93	Visual	Upper visual field area; Intraparietal sulcus (spatial attention)	*Prophet's grave was inside.*	medium
0:21	86	Visual	Upper visual field area; Ventro-medial visual (scene)	*Meaning Aisha lived*	medium
0:22	84	Visual	Early visual cortex; Ventro-medial visual (scene)	*right here basically.*	medium
0:23	84	Visual	Upper visual field area; Early visual cortex	*Now look at the next*	medium
0:24	86	Visual	Ventro-medial visual (scene); Early visual cortex	*next stage. Her*	medium
0:25	84	Visual	Ventro-medial visual (scene); Early visual cortex	*Her father Abu Bakr passes*	medium
0:26	82	Visual	Ventro-medial visual (scene); Early visual cortex	*passes away. Look,*	medium
0:27	75	Visual	Early visual cortex; Intraparietal (attention)	*Look, they make*	medium
0:28	60	Visual	Early visual cortex; Intraparietal (attention)	*this partition and*	medium
0:29	42	Attention	Intraparietal sulcus (spatial attention); Intraparietal (attention)	*inside you see there are*	medium

Every second (continued)

TIME	LEVEL	NETWORK	MOST ACTIVE REGIONS	WORDS	CONFID.
0:30	28	Visual	Intraparietal sulcus (spatial attention); Intraparietal (attention)	*are two graves. Meaning Aisha*	medium
0:31	26	Visual	Upper visual field area; Higher visual: color + face/object patches	*Aisha is still living*	medium
0:32	29	Visual	Higher visual: color + face/object patches; Upper visual field area	*living right here. And*	medium
0:33	35	Visual	Higher visual: color + face/object patches; Upper visual field area	*And now look, the third stage*	medium
0:34	39	Visual	Higher visual: color + face/object patches; Upper visual field area	*stage is when Umar ibn*	medium
0:35	36	Visual	Ventro-medial visual (scene); Higher visual: color + face/object patches	*ibn al -Khattab passed away.*	medium
0:36	34	Visual	Ventro-medial visual (scene); Dorsal visual V3B	*away. Meaning Aisha says*	medium
0:37	36	Visual	Ventro-medial visual (scene); Dorsal visual V3B	*says he wasn't a mahram*	medium
0:38	42	Visual	Ventro-medial visual (scene); Intraparietal sulcus (spatial attention)	*to me. So you see*	medium
0:39	44	Visual	Intraparietal sulcus (spatial attention); Intraparietal (attention)	*here are these three graves.*	medium
0:40	50	Visual	Intraparietal sulcus (spatial attention); Ventral intraparietal (motion attention)	*graves. And basically*	medium
0:41	54	Attention	Intraparietal sulcus (spatial attention); Ventral intraparietal (motion attention)	*this courtyard which originally*	medium
0:42	63	Attention	Intraparietal sulcus (spatial attention); Temporo-occipital visual (objects)	*originally had an earthen floor*	medium
0:43	66	Attention	Intraparietal sulcus (spatial attention); Temporo-occipital visual (objects)	*floor was converted into*	medium
0:44	71	Attention	Intraparietal sulcus (spatial attention); Temporo-occipital visual (objects)	*into a house. And*	medium
0:45	69	Attention	Intraparietal sulcus (spatial attention); Temporo-occipital visual (objects)	*And here they built a wall*	medium
0:46	63	Attention	Temporo-occipital visual (objects); Early visual cortex	*wall and left a small window*	medium
0:47	46	Attention	Temporo-occipital visual (objects); Early visual cortex	*window so that the tabi 'een,*	medium
0:48	31	Attention	Language network; Auditory area 5 (superior temporal)	*'een, meaning could come*	lower
0:49	21	Attention	Superior temporal sulcus (speech); Early visual cortex	*come and give salam basically.*	lower
0:50	21	Language	Superior temporal sulcus (speech); Auditory area 5 (superior temporal)	*basically. But when the number*	lower
0:51	24	Language	Superior temporal sulcus (speech); Auditory area 5 (superior temporal)	*number of visits increased,*	lower
0:52	25	Attention	Early visual cortex; Dorsal premotor (action prep)	*they closed this window*	medium
0:53	24	Attention	Dorsal premotor (action prep); Early visual cortex	*and completely*	medium
0:54	19	Attention	Dorsal premotor (action prep); Early visual cortex	*blocked off this door.*	medium
0:55	15	Language	Superior temporal sulcus (speech); Salience / control	*In other words,*	lower
0:56	12	Language	Superior temporal sulcus (speech); Early visual cortex	*words, so no one could enter*	lower
0:57	17	Visual	Early visual cortex; Peripheral/retinotopic vision	*here. And*	medium
0:58	29	Visual	Peripheral/retinotopic vision; Dorsal visual V3A	*And after Aisha passed away,*	medium
0:59	35	Visual	Dorsal visual V3A; Ventro-medial visual (scene)	*away, once Aisha was buried*	medium
1:00	34	Visual	Ventro-medial visual (scene); Dorsal visual transitional	*buried in the Al -Baqi cemetery,*	medium

Every second (continued)

TIME	LEVEL	NETWORK	MOST ACTIVE REGIONS	WORDS	CONFID.
1:01	30	Visual	Dorsal visual V3A; Ventro-medial visual (scene)	*cemetery, during*	medium
1:02	28	Visual	Ventro-medial visual (scene); Dorsal visual V3B	*during the reign of one*	medium
1:03	32	Visual	Ventro-medial visual (scene); Dorsal visual V3B	*of the Muslim rulers,*	medium
1:04	36	Visual	Ventro-medial visual (scene); Intraparietal sulcus (spatial attention)	*they built this really*	medium
1:05	47	Visual	Ventro-medial visual (scene); Intraparietal sulcus (spatial attention)	*thick, you see there*	medium
1:06	54	Visual	Intraparietal sulcus (spatial attention); Ventro-medial visual (scene)	*there are three graves there.*	medium
1:07	57	Visual	Intraparietal sulcus (spatial attention); Intraparietal (attention)	*And this is a*	medium
1:08	60	Attention	Intraparietal sulcus (spatial attention); Temporo-occipital visual (objects)	*really, really thick wall*	medium
1:09	56	Attention	Intraparietal sulcus (spatial attention); Temporo-occipital visual (objects)	*wall basically. It has no windows*	medium
1:10	53	Attention	Intraparietal sulcus (spatial attention); Temporo-occipital visual (objects)	*windows or doors whatsoever.*	medium
1:11	48	Attention	Intraparietal sulcus (spatial attention); Temporo-occipital visual (objects)	*whatsoever. And now*	medium
1:12	42	Attention	Spatial attention; Early visual cortex	*now look, so that this wall*	medium
1:13	35	Attention	Early visual cortex; Temporo-occipital visual (objects)	*wouldn't, roughly speaking, look*	medium
1:14	30	Attention	Early visual cortex; Ventrolateral prefrontal (control)	*look like the Kaaba, so people*	medium
1:15	30	Attention	Early visual cortex; Ventrolateral prefrontal (control)	*people wouldn't worship it, they*	medium
1:16	33	Attention	Early visual cortex; Spatial attention	*they enclosed it with*	medium
1:17	39	Attention	Early visual cortex; Spatial attention	*with yet another wall.*	medium
1:18	45	Attention	Early visual cortex; Spatial attention	*wall. You see it's pentagonal,*	medium
1:19	50	Attention	Early visual cortex; Intraparietal sulcus (spatial attention)	*pentagonal, meaning*	medium
1:20	50	Attention	Intraparietal sulcus (spatial attention); Ventral intraparietal (motion attention)	*it's not like the*	medium
1:21	45	Attention	Early visual cortex; Ventral intraparietal (motion attention)	*the Kaaba basically. That's*	medium
1:22	45	Attention	Early visual cortex; Spatial attention	*That's one. Second, so that inside*	medium
1:23	48	Attention	Early visual cortex; Ventral intraparietal (motion attention)	*inside there'd be no way*	medium
1:24	52	Attention	Intraparietal sulcus (spatial attention); Parahippocampal (scene)	*to pray in this direction.*	medium
1:25	56	Attention	Intraparietal sulcus (spatial attention); Intraparietal (attention)	*direction. And they covered*	medium
1:26	61	Attention	Ventro-medial visual (scene); Intraparietal (attention)	*it with this kind of material*	medium
1:27	67	Visual	Ventro-medial visual (scene); Intraparietal (attention)	*material on the inside.*	medium
1:28	68	Visual	Ventro-medial visual (scene); Dorsal motion/form area	*And nowadays we*	medium
1:29	62	Visual	Ventro-medial visual (scene); Dorsal motion/form area	*we see this kind of*	medium
1:30	49	Visual	Ventro-medial visual (scene); Parahippocampal (scene)	*of picture basically.*	medium
1:31	32	Visual	Ventro-medial visual (scene); Parahippocampal (scene)	*Men usually walk*	medium

Every second (continued)

TIME	LEVEL	NETWORK	MOST ACTIVE REGIONS	WORDS	CONFID.
1:32	14	Visual	Parahippocampal (scene); Ventro-medial visual (scene)	*walk by here giving salam.*	medium
1:33	4	Visual	Parahippocampal (scene); Ventro-medial visual (scene)	*salam. Some people think*	medium
1:34	0	Visual	Parahippocampal (scene); Ventro-medial visual (scene)	*think that buried here are*	medium
1:35	2	Visual	Ventro-medial visual (scene); Parahippocampal (scene)	*are the prophet Abu*	medium
1:36	5	Language	Auditory area 5 (superior temporal); Ventro-medial visual (scene)	*Abu Bakr and Umar.*	lower
1:37	9	Language	Auditory area 5 (superior temporal); Superior temporal sulcus (speech)	*Just like that, three doors.*	lower
1:38	11	Language	Auditory area 5 (superior temporal); Ventro-medial visual (scene)	*doors. Actually, no, I mean, these*	lower
1:39	47	Attention	Ventro-medial visual (scene); Auditory area 5 (superior temporal)	*these are just three doors.*	medium
1:40	81	Visual	Ventro-medial visual (scene); Dorsal motion/form area	*And inside we*	medium
1:41	100	Visual	Ventro-medial visual (scene); Dorsal motion/form area	*we see this view basically.*	medium
1:42	90	Visual	Ventro-medial visual (scene); Intraparietal (attention)	*You see the first grave is*	medium
1:43	75	Visual	Ventro-medial visual (scene); Parahippocampal (scene)	*is the prophet's grave.*	medium
1:44	72	Visual	Ventro-medial visual (scene); Intraparietal (attention)	*The second is Abu Bakr's*	medium
1:45	72	Visual	Ventro-medial visual (scene); Intraparietal (attention)	*Bakr's and the third is Umar's.*	medium
1:46	74	Visual	Ventro-medial visual (scene); Dorsal motion/form area	*Umar's. And that's*	medium
1:47	72	Visual	Ventro-medial visual (scene); Dorsal motion/form area	*what we see today.*	medium
1:48	66	Visual	Ventro-medial visual (scene); Dorsal motion/form area	*So those who say that the*	medium
1:49	59	Visual	Ventro-medial visual (scene); Auditory area 5 (superior temporal)	*prophet sallallahu alayhi wasallam*	medium
1:50	52	Visual	Auditory area 5 (superior temporal); Ventro-medial visual (scene)	*wasallam is buried inside the*	lower
1:51	43	Visual	Auditory area 5 (superior temporal); Ventro-medial visual (scene)	*the mosque, actually, originally,*	lower
1:52	41	Visual	Ventro-medial visual (scene); Parahippocampal (scene)	*originally, the prophet's*	medium
1:53	39	Visual	Ventro-medial visual (scene); Parahippocampal (scene)	*house was outside the*	medium
1:54	44	Visual	Ventro-medial visual (scene); Parahippocampal (scene)	*the mosque, meaning the mosque*	medium
1:55	37	Visual	Ventro-medial visual (scene); Parahippocampal (scene)	*mosque was right here.*	medium
1:56	33	Visual	Intraparietal sulcus (spatial attention); Ventral intraparietal (motion attention)	*You see,*	medium
1:57	32	Visual	Intraparietal sulcus (spatial attention); Ventral intraparietal (motion attention)	*and this was outside.*	medium
1:58	46	Attention	Ventral intraparietal (motion attention); Intraparietal sulcus (spatial attention)	*outside. So there'd*	medium
1:59	54	Attention	Ventral intraparietal (motion attention); Intraparietal sulcus (spatial attention)	*there'd be no possibility of*	medium
2:00	57	Attention	Intraparietal sulcus (spatial attention); Ventral intraparietal (motion attention)	*of worshiping him. They*	medium

Every second (continued)

TIME	LEVEL	NETWORK	MOST ACTIVE REGIONS	WORDS	CONFID.
2:01	54	Visual	Intraparietal sulcus (spatial attention); Ventral intraparietal (motion attention)	*They walled off it one*	medium
2:02	53	Visual	Intraparietal sulcus (spatial attention); Upper visual field area	*one two three*	medium
2:03	51	Visual	Upper visual field area; Ventro-medial visual (scene)	*three walls basically right*	medium
2:04	50	Visual	Ventro-medial visual (scene); Dorsal visual V3B	*right here. You see*	medium
2:05	47	Visual	Ventro-medial visual (scene); Dorsal visual V3B	*What a beautiful*	medium
2:06	47	Visual	Ventro-medial visual (scene); Dorsal visual V3B	*beautiful thing*	medium
2:07	46	Visual	Ventro-medial visual (scene); Dorsal visual V3A		medium
2:08	48	Visual	Peripheral/retinotopic vision; Dorsal visual V3A		medium

The words against the curve

Each spoken line with the average predicted level while it is said (clip range, 0 to 100). The clip average is 52; the tick on each bar marks it.

0:00		50	This is the dwelling of the best of mankind, the Prophet ﷺ when he lived here with
0:04		71	Aisha. It had two entrances, one here and inside from the inner part basically
0:08		82	of the mosque, there was an entrance here. This was a courtyard. And this right here was the
0:12		100	house itself where they lived with Aisha. Then, that is after the Prophet ﷺ
0:17		99	passed away, look, you see they built a partition here and the Prophet's grave was
0:21		85	inside. Meaning Aisha lived right here basically. Now look at the next stage.
0:25		76	Her father Abu Bakr passes away. Look, they make this partition and
0:29		32	inside you see there are two graves. Meaning Aisha is still living right here. And
0:33		36	now look, the third stage is when Umar ibn al -Khattab passed away. Meaning Aisha says
0:37		43	he wasn't a mahram to me. So you see here are these three graves. And basically this
0:41		64	courtyard which originally had an earthen floor was converted into a house. And here
0:45		49	they built a wall and left a small window so that the tabi 'een, meaning could come and give
0:49		23	salam basically. But when the number of visits increased, they closed this window and
0:53		16	completely blocked off this door. In other words, so no one could enter here.
0:58		32	And after Aisha passed away, once Aisha was buried in the Al -Baqi cemetery, during
1:02		37	the reign of one of the Muslim rulers, they built this really thick, you see there are
1:06		57	three graves there. And this is a really, really thick wall basically. It has no windows
1:10		42	or doors whatsoever. And now look, so that this wall wouldn't, roughly speaking, look like
1:14		33	the Kaaba, so people wouldn't worship it, they enclosed it with yet another wall.
1:19		47	You see it's pentagonal, meaning it's not like the Kaaba basically. That's one. Second,
1:23		53	so that inside there'd be no way to pray in this direction. And they covered it with this kind of
1:27		62	material on the inside. And nowadays we see this kind of picture basically.
1:31		11	Men usually walk by here giving salam. Some people think that buried here are
1:35		15	the prophet Abu Bakr and Umar. Just like that, three doors. Actually, no, I mean, these are just three
1:40		86	doors. And inside we see this view basically. You see the first grave is the prophet's grave.
1:44		72	The second is Abu Bakr's and the third is Umar's. And that's what we see today.

The words (continued)

1:48		56	So those who say that the prophet sallallahu alayhi wasallam is buried inside the mosque, actually, originally,
1:52		40	the prophet's house was outside the mosque, meaning the mosque was right here. You
1:56		45	see, and this was outside. So there'd be no possibility of worshiping
2:00		53	him. They walled off it one two three walls basically right here. You
2:05		48	see What a beautiful thing

How to read this report

What the model is

v2neuro is a brain-encoding model. It was trained on fMRI recordings of people watching video, and for a new video it predicts the response of the cortex, one value per second, from the picture, the sound and the words. Nobody watched your video for this report.

Strongest second

The second with the highest predicted response, leaving aside the first three seconds. The cortex responds to any clip starting, so the opening would win on most videos and say nothing about yours.

Level, and "of this clip's own range"

Charts and bars use a 0 to 100 scale stretched to this clip: 0 is its lowest second and 100 its highest. It shows where a second sits inside this video. It cannot be compared between two videos, and a difference between two levels is not a percentage change.

Steepest fall

The largest fall within three seconds, as a true percentage of the level it falls from, taken on the mean of the four networks without stretching. It is reported only when it starts at or above the clip average and reaches 20%. When no window qualifies the report states no percentage.

Weakest stretch

The three consecutive seconds with the lowest average level (on a clip under 15 seconds, a fifth of its length, at least one second), never the strongest second itself. Every video has one; it is the place to look first, not a fault by itself.

Networks, systems and regions

The four networks (visual, auditory, language, attention) group the cortical surface. The leading network is the one with the highest value in that second, each on its own range. Regions are the atlas areas with the highest predicted response in that second.

Confidence

Higher, medium or lower says how well the model has been shown to predict the regions that lead in that second, and how typical the second is for it. It is a guide to how much weight a row can carry.

What this is not

These are predictions of an average cortical response. They are not a measurement of your viewers and they do not forecast views, watch time or sales. On recordings held out from training, the model's predictions correlate with the measured response at about r = 0.27 for material like its training set and about r = 0.12 for very different films. The useful test is your own data: compare these moments with the numbers you already have.

neuro-viral

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