VIDEO REPORT

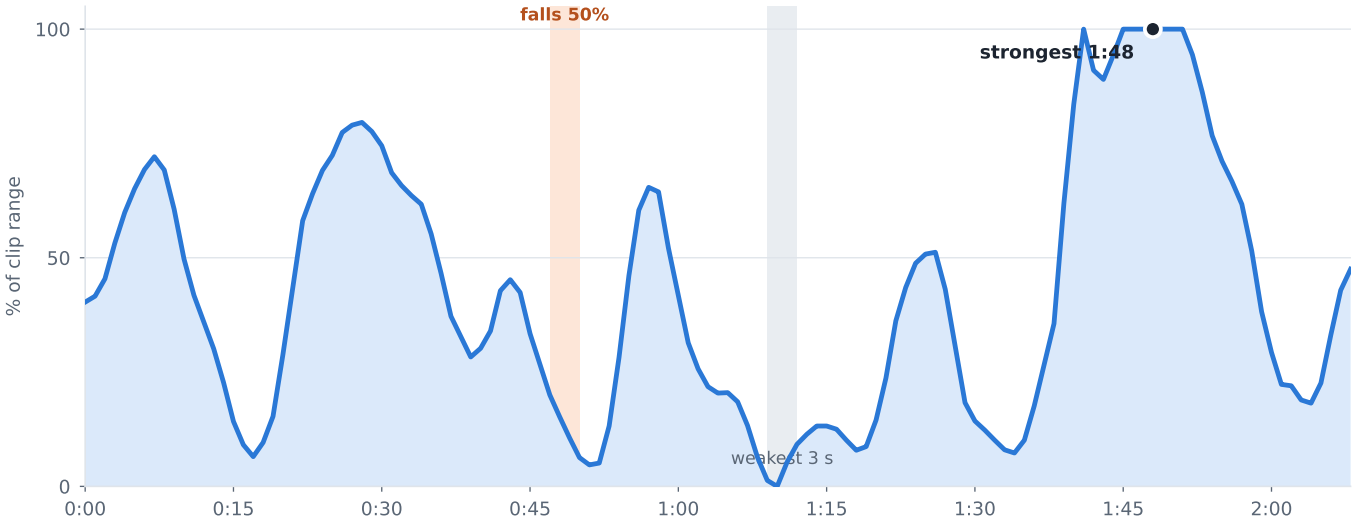
🌐🌐 Lost in the Rainforest... How Will She Survive? 🌐🌐😊 #indianvillagelife



STRONGEST SECOND	STEEPEST FALL	WEAKEST 3 SECONDS	AVERAGE LEVEL
1:48	**50%**	**1:09 to 1:12**	**42%**
after the first three seconds	0:47 to 0:50	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

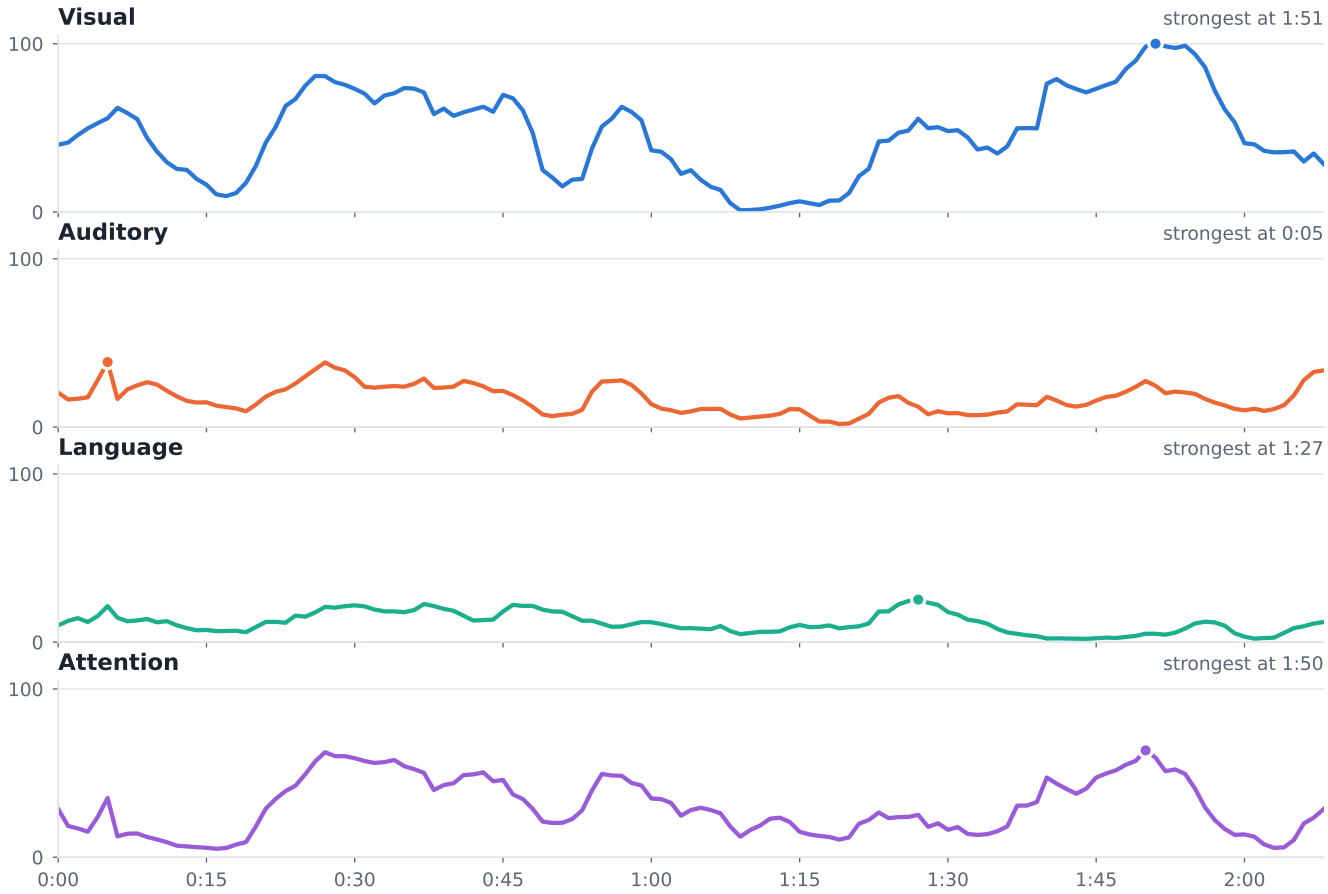
- After the first three seconds, the predicted brain response peaks at 1:48, the predicted response falls 51% between 0:47 and 0:50, and the weakest 3-second stretch is 1:09 to 1:12.
- After the fall at 0:50 the predicted response comes back up past its pre-fall level by 1:50 (147% of it), the strongest moment after the opening.
- The visual network has the highest predicted response for 80% of the clip, the attention network for 18%.
- Speech is present in 2% 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.



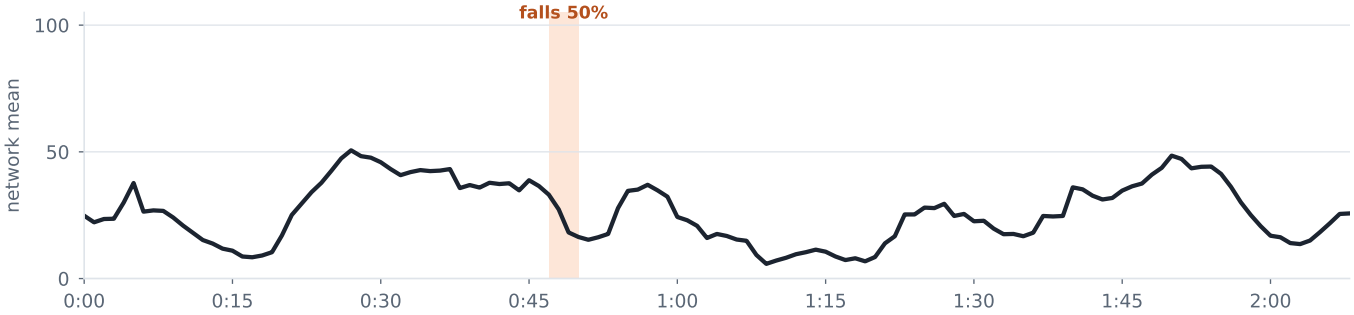
Leading network, second by second



NETWORK	LEADS FOR	SHARE OF THE CLIP	ITS STRONGEST SECOND
Visual	103 s	80%	1:51
Attention	23 s	18%	1:50
Auditory	3 s	2%	0:05
Language	0 s	0%	1:27

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

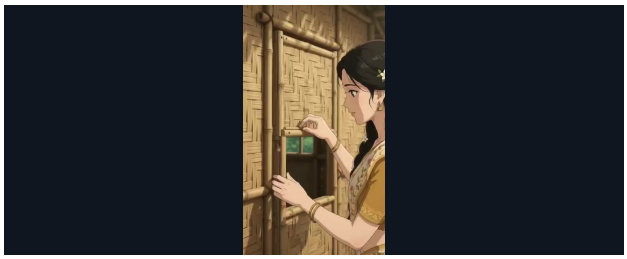
The seconds that define this video's predicted response. Levels are on the clip's own 0 to 100 range.



0:00 Opening

40 of 100

Leading network	Visual
System	Objects & color
Regions	Higher visual: color + face/object patches; Ventro-medial visual (scene)



0:47 Fall begins

20 of 100

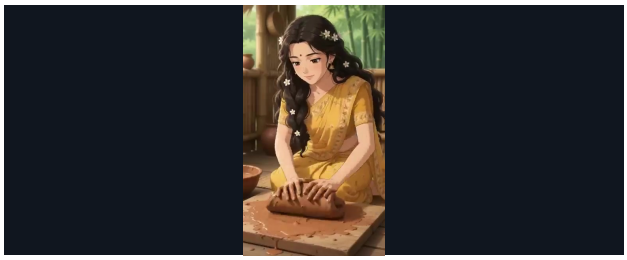
Leading network	Visual
System	Early visual cortex
Regions	Temporo-parieto-occipital junction; Early visual cortex



0:50 Fall ends

6 of 100

Leading network	Visual
System	Early visual cortex
Regions	Temporo-parieto-occipital junction; Early visual cortex



1:09 Weakest 3 s begin

1 of 100

Leading network	Attention
System	Early visual cortex
Regions	Early visual cortex; Superior parietal (touch / reach)



1:48 Strongest second

100 of 100

Leading network	Visual
System	Early visual cortex
Regions	Upper visual field area; Motion-related



1:50 Best after the fall

100 of 100

Leading network	Visual
System	Early visual cortex
Regions	Upper visual field area; Motion-related

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	40	Visual	Higher visual: color + face/object patches; Ventro-medial visual (scene)		medium
0:01	42	Visual	Higher visual: color + face/object patches; Ventro-medial visual (scene)		medium
0:02	45	Visual	Ventro-medial visual (scene); Higher visual: color + face/object patches		medium
0:03	53	Visual	Higher visual: color + face/object patches; Ventro-medial visual (scene)		medium
0:04	60	Visual	Higher visual: color + face/object patches; Dorsal visual V3A		medium
0:05	65	Visual	Higher visual: color + face/object patches; Lateral belt (secondary auditory)		medium
0:06	69	Visual	Higher visual: color + face/object patches; Dorsal visual V3A		medium
0:07	72	Visual	Higher visual: color + face/object patches; Dorsal visual V3A		medium
0:08	69	Visual	Higher visual: color + face/object patches; Dorsal visual V3A		medium
0:09	61	Visual	Higher visual: color + face/object patches; Posterior inferotemporal (objects)		medium
0:10	50	Visual	Higher visual: color + face/object patches; Anterior superior-temporal auditory		medium
0:11	42	Visual	Higher visual: color + face/object patches; Visual area V3		medium
0:12	36	Visual	Higher visual: color + face/object patches; Visual area V3		medium
0:13	30	Visual	Higher visual: color + face/object patches; Visual area V3		medium
0:14	23	Visual	Higher visual: color + face/object patches; Early visual cortex		medium
0:15	14	Visual	Higher visual: color + face/object patches; Early visual cortex		medium
0:16	9	Auditory	Early visual cortex; Higher visual: color + face/object patches		medium
0:17	6	Auditory	Inferior frontal junction (attention switching); Language network		lower
0:18	10	Visual	Inferior frontal junction (attention switching); Higher visual: color + face/object patches		lower
0:19	15	Visual	Higher visual: color + face/object patches; Inferior frontal junction (attention switching)		medium
0:20	29	Visual	Motion-related; Motion processing		medium
0:21	43	Visual	Motion-related; Motion processing		medium
0:22	58	Visual	Motion-related; Motion processing		medium
0:23	64	Visual	Motion-related; Lateral occipital (objects)		medium
0:24	69	Visual	Motion-related; Lateral occipital (objects)		medium
0:25	72	Visual	Motion-related; Lateral occipital (objects)		medium
0:26	77	Visual	Motion-related; Lateral occipital (objects)		medium
0:27	79	Visual	Motion-related; Upper visual field area		medium
0:28	80	Visual	Motion-related; Lateral occipital (objects)		medium
0:29	78	Visual	Motion-related; Temporo-occipital visual (objects)		medium
0:30	74	Visual	Motion-related; Temporo-occipital visual (objects)		medium

Every second (continued)

TIME	LEVEL	NETWORK	MOST ACTIVE REGIONS	WORDS	CONFID.
0:31	69	Visual	Motion-related; Temporo-occipital visual (objects)		medium
0:32	66	Visual	Temporo-occipital visual (objects); Motion-related		medium
0:33	64	Visual	Temporo-occipital visual (objects); Lateral occipital (objects)		medium
0:34	62	Visual	Temporo-occipital visual (objects); Lateral occipital (objects)		medium
0:35	55	Visual	Temporo-occipital visual (objects); Intraparietal sulcus (spatial attention)		medium
0:36	47	Visual	Temporo-occipital visual (objects); Higher visual: color + face/object patches		medium
0:37	37	Visual	Higher visual: color + face/object patches; Intraparietal (attention)		medium
0:38	33	Visual	Higher visual: color + face/object patches; Temporo-parieto-occipital junction		medium
0:39	28	Visual	Higher visual: color + face/object patches; Temporo-occipital visual (objects)		medium
0:40	30	Visual	Higher visual: color + face/object patches; Motion-related		medium
0:41	34	Visual	Upper visual field area; Higher visual: color + face/object patches		medium
0:42	43	Visual	Motion-related; Upper visual field area		medium
0:43	45	Visual	Upper visual field area; Motion-related		medium
0:44	42	Visual	Upper visual field area; Motion-related		medium
0:45	33	Visual	Motion-related; Upper visual field area		medium
0:46	27	Visual	Temporo-parieto-occipital junction; Higher visual: color + face/object patches		medium
0:47	20	Visual	Temporo-parieto-occipital junction; Early visual cortex		medium
0:48	15	Visual	Temporo-parieto-occipital junction; Motion area (V5)		medium
0:49	11	Visual	Temporo-parieto-occipital junction; Early visual cortex		medium
0:50	6	Visual	Temporo-parieto-occipital junction; Early visual cortex		medium
0:51	5	Attention	Temporo-parieto-occipital junction; Early visual cortex		medium
0:52	5	Attention	Temporo-parieto-occipital junction; Early visual cortex		medium
0:53	13	Attention	Temporo-parieto-occipital junction; Dorsal premotor (action prep)		medium
0:54	28	Attention	Motion processing; Motion-related		medium
0:55	46	Visual	Upper visual field area; Motion processing		medium
0:56	60	Visual	Upper visual field area; Motion-related		medium
0:57	65	Visual	Motion-related; Upper visual field area		medium
0:58	64	Visual	Motion-related; Temporo-occipital visual (objects)		medium
0:59	52	Visual	Temporo-occipital visual (objects); Motion-related		medium
1:00	42	Visual	Motion-related; Temporo-occipital visual (objects)		medium
1:01	31	Visual	Motion-related; Temporo-occipital visual (objects)		medium
1:02	26	Attention	Motion-related; Motion processing		medium
1:03	22	Attention	Motion-related; Motion processing		medium

Every second (continued)

TIME	LEVEL	NETWORK	MOST ACTIVE REGIONS	WORDS	CONFID.
1:04	20	Attention	Motion-related; Motion processing		medium
1:05	20	Attention	Motion processing; Motion-related		medium
1:06	18	Attention	Temporo-occipital visual (objects); Motion processing		medium
1:07	13	Attention	Temporo-occipital visual (objects); Superior parietal (touch / reach)		medium
1:08	6	Attention	Superior parietal (touch / reach); Early visual cortex		lower
1:09	1	Attention	Early visual cortex; Superior parietal (touch / reach)		medium
1:10	0	Attention	Early visual cortex; Superior parietal (touch / reach)		medium
1:11	5	Attention	Superior parietal (touch / reach); Early visual cortex		lower
1:12	9	Attention	Superior parietal (touch / reach); Early visual cortex		lower
1:13	11	Attention	Motion processing; Superior parietal (touch / reach)		medium
1:14	13	Attention	Premotor eye field; Motion processing		lower
1:15	13	Attention	Temporo-parieto-occipital junction; Auditory area 5 (superior temporal)		lower
1:16	12	Attention	Temporo-parieto-occipital junction; Superior temporal visual	*Hmm.*	lower
1:17	10	Attention	Temporo-parieto-occipital junction; Superior temporal visual		lower
1:18	8	Attention	TPO junction; Temporo-parieto-occipital junction		lower
1:19	9	Attention	TPO junction; Motion processing		lower
1:20	14	Attention	Motion processing; TPO junction		medium
1:21	24	Visual	Motion processing; Motion-related		medium
1:22	36	Visual	Motion processing; Motion-related		medium
1:23	44	Visual	Motion-related; Motion processing		medium
1:24	49	Visual	Motion-related; Motion processing		medium
1:25	51	Visual	Motion-related; Motion processing		medium
1:26	51	Visual	Motion-related; Motion processing		medium
1:27	43	Visual	Motion area (V5); Motion-related		medium
1:28	31	Visual	Motion area (V5); Motion-related		medium
1:29	18	Visual	Motion area (V5); Motion-related		medium
1:30	14	Visual	Higher visual: color + face/object patches; Color & form processing		medium
1:31	12	Visual	Ventro-medial visual (scene); Higher visual: color + face/object patches		medium
1:32	10	Visual	Ventro-medial visual (scene); Higher visual: color + face/object patches		medium
1:33	8	Visual	Ventro-medial visual (scene); Higher visual: color + face/object patches		medium
1:34	7	Visual	Higher visual: color + face/object patches; Ventro-medial visual (scene)		medium
1:35	10	Visual	Higher visual: color + face/object patches; Ventro-medial visual (scene)		medium
1:36	18	Visual	Higher visual: color + face/object patches; Upper visual field area		medium
1:37	26	Visual	Upper visual field area; Motion processing		medium
1:38	36	Visual	Upper visual field area; Motion processing		medium

Every second (continued)

TIME	LEVEL	NETWORK	MOST ACTIVE REGIONS	WORDS	CONFID.
1:39	62	Visual	Upper visual field area; Motion processing		medium
1:40	84	Visual	Upper visual field area; Lateral occipital (objects)		medium
1:41	100	Visual	Upper visual field area; Lateral occipital (objects)		medium
1:42	91	Visual	Lateral occipital (objects); Upper visual field area		medium
1:43	89	Visual	Lateral occipital (objects); Motion-related		medium
1:44	94	Visual	Motion-related; Lateral occipital (objects)		medium
1:45	100	Visual	Motion-related; Lateral occipital (objects)		medium
1:46	100	Visual	Motion-related; Upper visual field area		medium
1:47	100	Visual	Motion-related; Upper visual field area		medium
1:48	100 ●	Visual	Upper visual field area; Motion-related		medium
1:49	100	Visual	Upper visual field area; Motion-related		medium
1:50	100	Visual	Upper visual field area; Motion-related		medium
1:51	100	Visual	Upper visual field area; Dorsal visual V3B		medium
1:52	94	Visual	Upper visual field area; Motion-related		medium
1:53	86	Visual	Upper visual field area; Motion-related		medium
1:54	77	Visual	Upper visual field area; Motion-related		medium
1:55	71	Visual	Dorsal visual V3A; Motion-related		medium
1:56	67	Visual	Dorsal visual V3A; Higher visual: color + face/object patches		medium
1:57	62	Visual	Dorsal visual V3A; Higher visual: color + face/object patches		medium
1:58	52	Visual	Higher visual: color + face/object patches; Dorsal visual V3A		medium
1:59	38	Visual	Higher visual: color + face/object patches; Dorsal visual V3A		medium
2:00	29	Visual	Motion-related; Higher visual: color + face/object patches		medium
2:01	22	Visual	Motion-related; Motion processing		medium
2:02	22	Visual	Motion-related; Higher visual: color + face/object patches		medium
2:03	19	Visual	Higher visual: color + face/object patches; Posterior inferotemporal (objects)		medium
2:04	18	Visual	Ventro-medial visual (scene); Higher visual: color + face/object patches	*you for watching video.*	medium
2:05	23	Visual	Ventro-medial visual (scene); Scene & place recognition		medium
2:06	33	Visual	Scene & place recognition; Parieto-occipital sulcus	*you in the next video.*	medium
2:07	43	Visual	Scene & place recognition; Peripheral/retinotopic vision		medium
2:08	48	Auditory	Frontal operculum (salience); Anterior cingulate (monitoring)		lower

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 42; the tick on each bar marks it.

1:17	11	Hmm.
2:05	25	you for watching video.
2:06	33	you in the next video.

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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