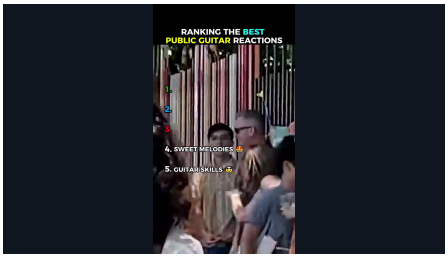
VIDEO REPORT

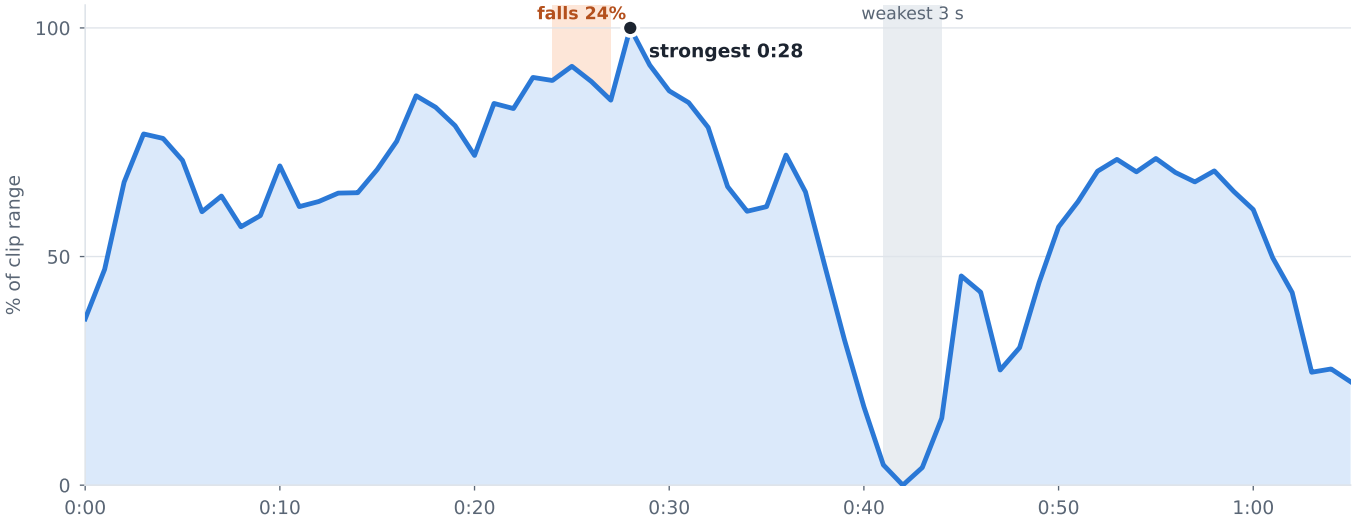
Ranking Best Street Guitar



STRONGEST SECOND	STEEPEST FALL	WEAKEST 3 SECONDS	LEADING NETWORK
0:28	**24%**	**0:41 to 0:44**	**Visual**
after the first three seconds	0:24 to 0:27	lowest stretch of the curve	highest for 88% of the clip

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

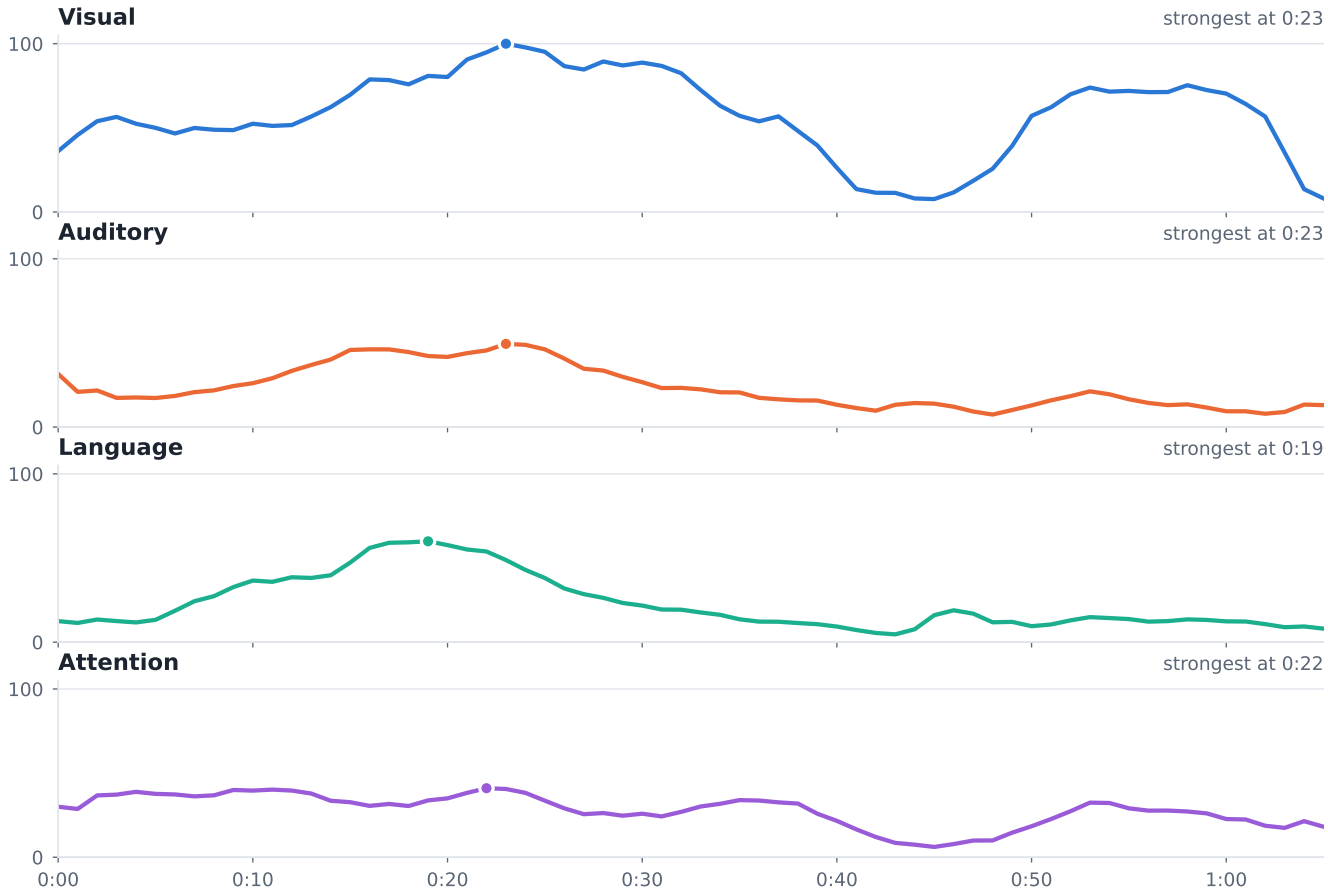
- After the first three seconds, the predicted brain response peaks at 0:28, the predicted response falls 24% between 0:24 and 0:27, and the weakest 3-second stretch is 0:41 to 0:44.
- After the fall ends at 0:27, the highest point is 0:28, at 100 of 100 on the chart; the fall began at 89 of 100.
- The visual network has the highest predicted response for 88% of the clip, the attention network for 6%.
- Speech is present in 9% of the seconds; the words are set against the curve on the later pages.

In this report

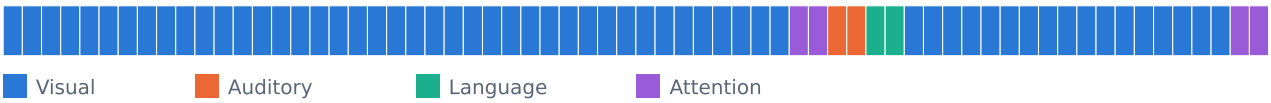
Brain networks: which of the four networks leads, and when
Key moments: the seconds worth a close look, with the frame and the words
Every second: level, leading network, most active regions and words
How to read this report: what each number is and what it is not

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.



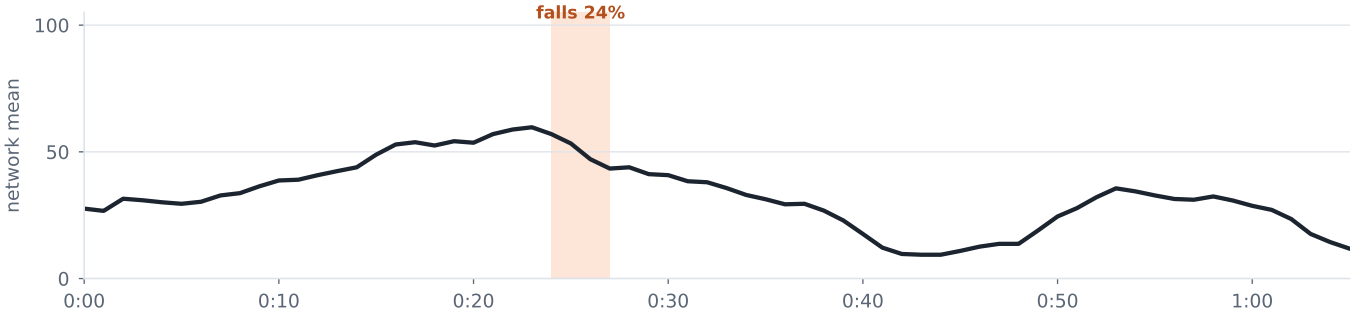
Leading network, second by second



NETWORK	LEADS FOR	SHARE OF THE CLIP	ITS STRONGEST SECOND
Visual	58 s	88%	0:23
Attention	4 s	6%	0:22
Auditory	2 s	3%	0:23
Language	2 s	3%	0:19

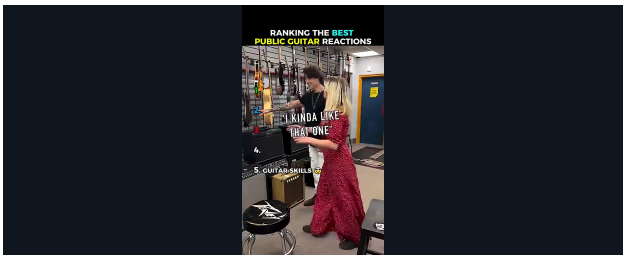
Mean of the four networks

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.

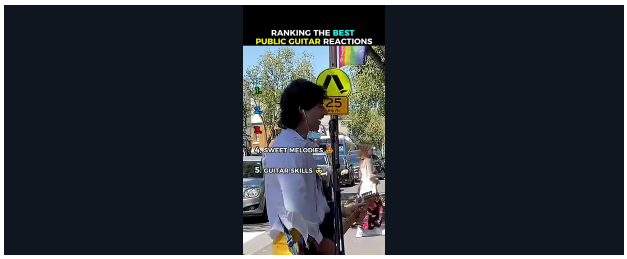


0:00 Opening

36 of 100

Leading network	Visual
System	Objects & color
Regions	Higher visual: color + face/object patches; Frontal eye fields (gaze

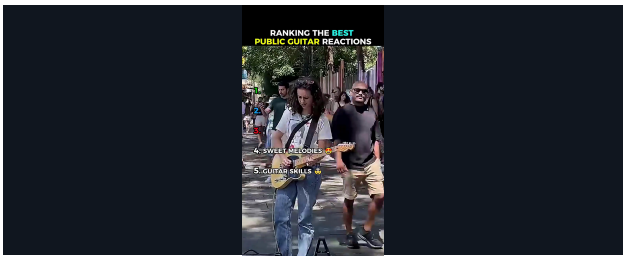
“I kinda like that one, yeah.”



0:24 Fall begins

89 of 100

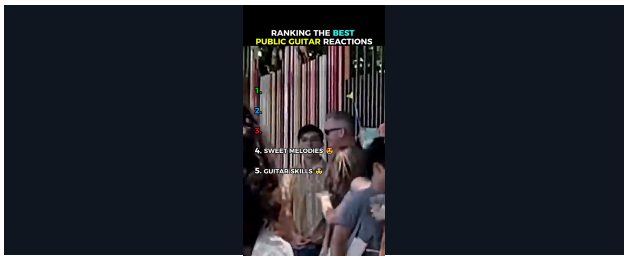
Leading network	Visual
System	Objects & color
Regions	Higher visual: color + face/object patches; Ventro-medial visual (scene)



0:27 Fall ends

84 of 100

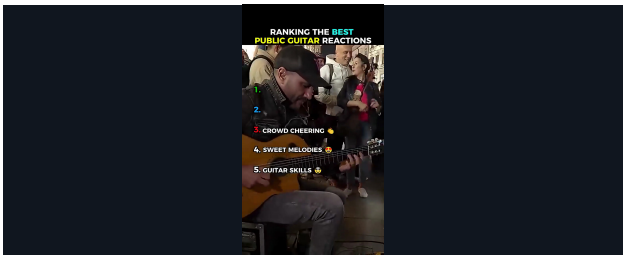
Leading network	Visual
System	Scene & place recognition
Regions	Ventro-medial visual (scene); Higher visual: color + face/object patches



0:28 Strongest second, Best after the fall

100 of 100

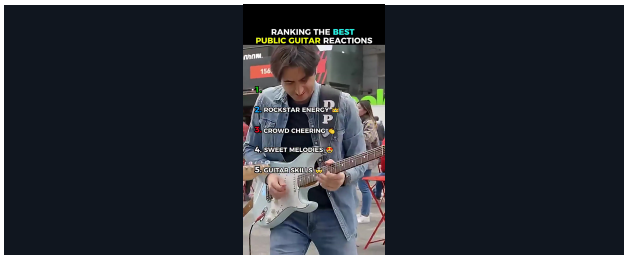
Leading network	Visual
System	Objects & color
Regions	Higher visual: color + face/object patches; Ventro-medial visual (scene)



0:41 Weakest 3 s begin

4 of 100

Leading network	Attention
System	Spatial attention
Regions	Intraparietal (attention); Medial intraparietal (reach planning)



1:05 Final second

23 of 100

Leading network	Attention
System	Spatial attention
Regions	Intraparietal (attention); Spatial attention

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	36	Visual	Higher visual: color + face/object patches; Frontal eye fields (gaze control)	*I kinda like that one, yeah.*	medium
0:01	47	Visual	Higher visual: color + face/object patches; Ventro-medial visual (scene)	*My friend has a guitar, actually.*	medium
0:02	66	Visual	Motion area (V5); Motion-related		medium
0:03	77	Visual	Motion area (V5); Motion-related		medium
0:04	76	Visual	Motion area (V5); Motion-related		medium
0:05	71	Visual	Motion area (V5); Motion-related		medium
0:06	60	Visual	Motion-related; Motion area (V5)		medium
0:07	63	Visual	Motion-related; Motion area (V5)		medium
0:08	57	Visual	Motion area (V5); Motion-related		medium
0:09	59	Visual	TPO junction; Motion area (V5)		lower
0:10	70	Visual	Motion-related; Motion area (V5)		medium
0:11	61	Visual	Motion-related; Motion area (V5)		medium
0:12	62	Visual	Motion-related; Motion processing		medium
0:13	64	Visual	Motion-related; Motion processing		medium
0:14	64	Visual	Motion-related; Motion processing		medium
0:15	69	Visual	Higher visual: color + face/object patches; Temporo-parieto-occipital junction		medium
0:16	75	Visual	Temporo-parieto-occipital junction; Higher visual: color + face/object patches	*Do you know how to play guitar, either of you?*	lower
0:17	85	Visual	Auditory area 5 (superior temporal); Superior temporal sulcus (speech)		lower
0:18	83	Visual	Auditory area 5 (superior temporal); Superior temporal sulcus (speech)	*No.*	lower
0:19	79	Visual	Auditory area 5 (superior temporal); Motion area (V5)	*Okay, wow, I know you're gonna be good.*	lower
0:20	72	Visual	Motion area (V5); Ventro-medial visual (scene)		medium
0:21	83	Visual	Ventro-medial visual (scene); Higher visual: color + face/object patches		medium

Every second (continued)

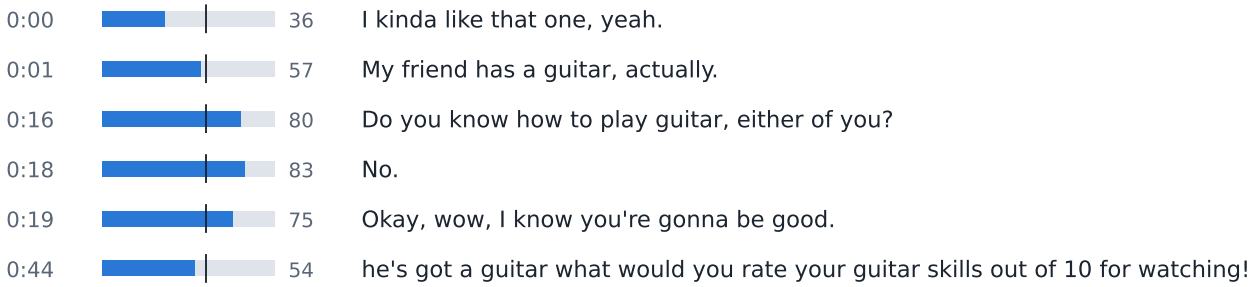
TIME	LEVEL	NETWORK	MOST ACTIVE REGIONS	WORDS	CONFID.
0:22	82	Visual	Ventro-medial visual (scene); Higher visual: color + face/object patches		medium
0:23	89	Visual	Higher visual: color + face/object patches; Ventro-medial visual (scene)		medium
0:24	89	Visual	Higher visual: color + face/object patches; Ventro-medial visual (scene)		medium
0:25	92	Visual	Ventro-medial visual (scene); Higher visual: color + face/object patches		medium
0:26	88	Visual	Ventro-medial visual (scene); Higher visual: color + face/object patches		medium
0:27	84	Visual	Ventro-medial visual (scene); Higher visual: color + face/object patches		medium
0:28	100 ●	Visual	Higher visual: color + face/object patches; Ventro-medial visual (scene)		medium
0:29	92	Visual	Higher visual: color + face/object patches; Ventro-medial visual (scene)		medium
0:30	86	Visual	Higher visual: color + face/object patches; Ventro-medial visual (scene)		medium
0:31	84	Visual	Higher visual: color + face/object patches; Dorsal visual V3A		medium
0:32	78	Visual	Higher visual: color + face/object patches; Dorsal visual V3A		medium
0:33	65	Visual	Motion-related; Higher visual: color + face/object patches		medium
0:34	60	Visual	Motion-related; Upper visual field area		medium
0:35	61	Visual	Motion-related; Upper visual field area		medium
0:36	72	Visual	Motion-related; Motion processing		medium
0:37	64	Visual	Motion-related; Lateral occipital (objects)		medium
0:38	48	Visual	Motion-related; Lateral occipital (objects)		medium
0:39	32	Visual	Motion-related; Lateral occipital (objects)		medium
0:40	17	Visual	Motion-related; Intraparietal (attention)		medium
0:41	4	Attention	Intraparietal (attention); Medial intraparietal (reach planning)		lower
0:42	0	Attention	Intraparietal (attention); Medial intraparietal (reach planning)		lower
0:43	4	Auditory	Posterior belt (secondary auditory); Lateral belt (secondary auditory)		lower

Every second (continued)

TIME	LEVEL	NETWORK	MOST ACTIVE REGIONS	WORDS	CONFID.
0:44	15	Auditory	Auditory area 5 (superior temporal); Lateral belt (secondary auditory)	*he's got a guitar what would you rate your guitar skills out of 10 for watching!*	lower
0:45	46	Language	Auditory area 5 (superior temporal); Superior temporal sulcus (speech)		lower
0:46	42	Language	Auditory area 5 (superior temporal); Superior temporal sulcus (speech)		lower
0:47	25	Visual	Superior temporal sulcus (speech); Auditory area 5 (superior temporal)		lower
0:48	30	Visual	Higher visual: color + face/object patches; Inferior frontal junction (attention switching)		medium
0:49	44	Visual	Higher visual: color + face/object patches; Ventro-medial visual (scene)		medium
0:50	56	Visual	Higher visual: color + face/object patches; Color & form processing		medium
0:51	62	Visual	Higher visual: color + face/object patches; Color & form processing		medium
0:52	69	Visual	Higher visual: color + face/object patches; Color & form processing		medium
0:53	71	Visual	Higher visual: color + face/object patches; Color & form processing		medium
0:54	69	Visual	Higher visual: color + face/object patches; Color & form processing		medium
0:55	71	Visual	Higher visual: color + face/object patches; Color & form processing		medium
0:56	68	Visual	Higher visual: color + face/object patches; Color & form processing		medium
0:57	66	Visual	Higher visual: color + face/object patches; Color & form processing		medium
0:58	69	Visual	Higher visual: color + face/object patches; Ventro-medial visual (scene)		medium
0:59	64	Visual	Higher visual: color + face/object patches; Color & form processing		medium
1:00	60	Visual	Higher visual: color + face/object patches; Ventro-medial visual (scene)		medium
1:01	50	Visual	Higher visual: color + face/object patches; Ventro-medial visual (scene)		medium
1:02	42	Visual	Higher visual: color + face/object patches; Color & form processing		medium
1:03	25	Visual	Intraparietal (attention); Higher visual: color + face/object patches		lower
1:04	25	Attention	Intraparietal (attention); Spatial attention		lower
1:05	23	Attention	Intraparietal (attention); Spatial attention		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 60; the tick on each bar marks it.



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

CONTACT

Website **neuro-viral.com**
Email **hello@vincli.com**

FOLLOW

Instagram **@neuro_viral.ai**
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VINCLI LTD, company no. 16677554, 128 City Road, London EC1V 2NX