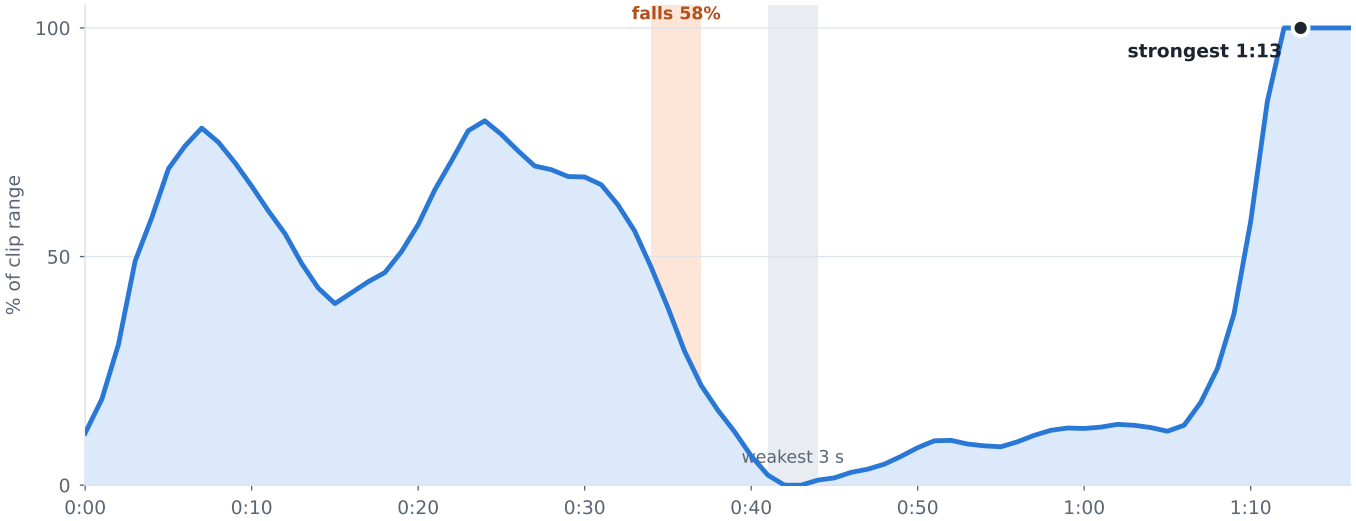
VIDEO REPORT

Volvo Trucks: The Epic Split

STRONGEST SECOND	STEEPEST FALL	WEAKEST 3 SECONDS	AVERAGE LEVEL
1:13	**58%**	**0:41 to 0:44**	**40%**
after the first three seconds	0:34 to 0:37	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

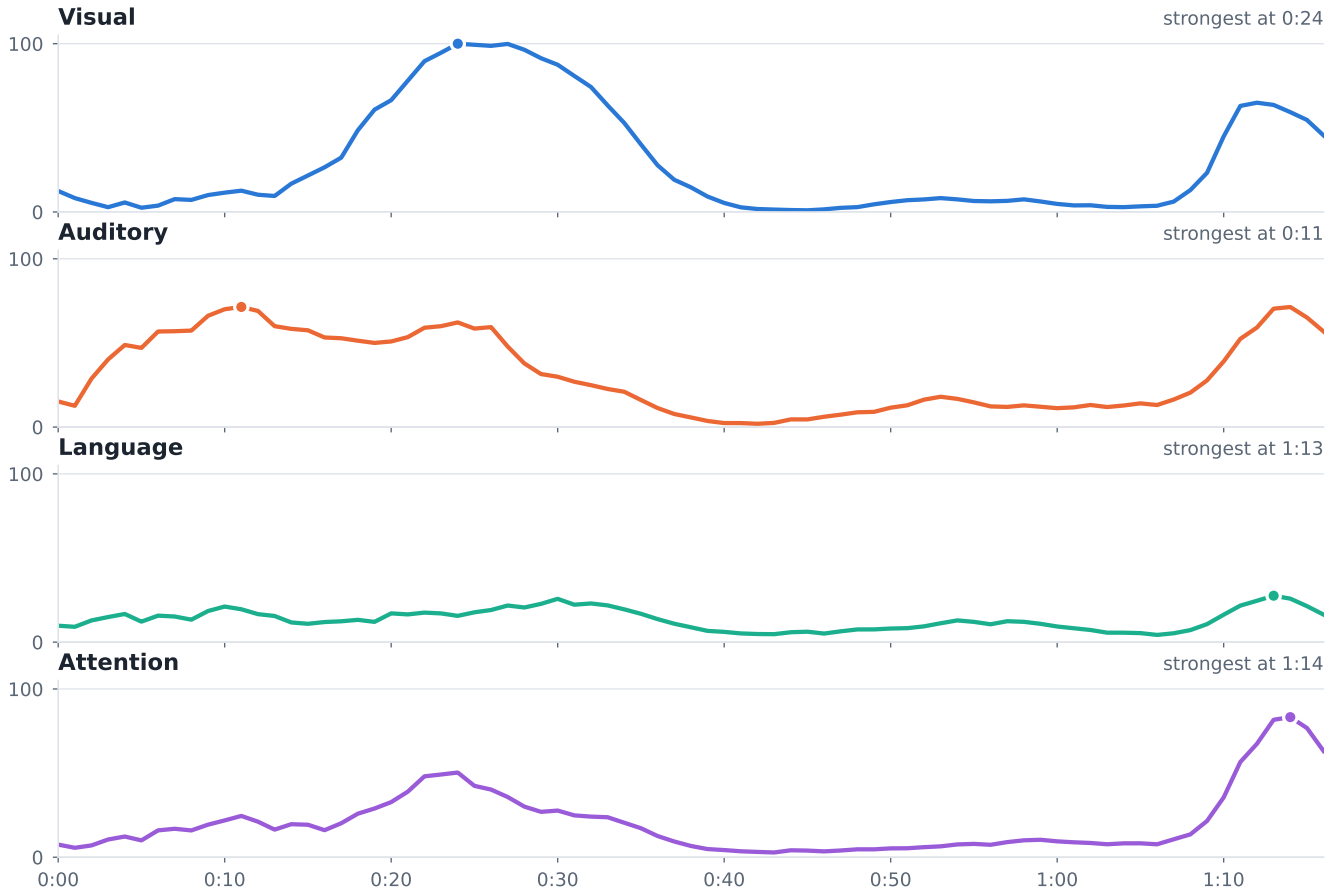
- After the first three seconds, the predicted brain response peaks at 1:13, the predicted response falls 59% between 0:34 and 0:37, and the weakest 3-second stretch is 0:41 to 0:44.
- After the fall at 0:37 the predicted response comes back up past its pre-fall level by 1:13 (214% of it), the strongest moment after the opening.
- The auditory network has the highest predicted response for 55% of the clip, the visual network for 30%.
- Speech is present in 6% of the seconds; the words are set against the curve on the later pages.

In this report

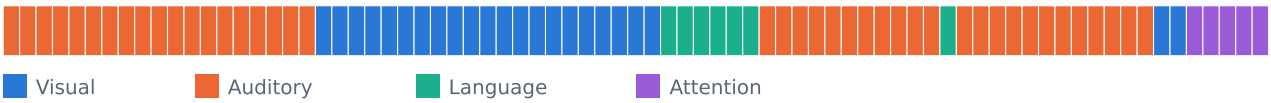
Brain networks: which of the four networks leads, and when
Key moments: the seconds worth a close look, with the frame and the words
Every second: level, leading network, most active regions and words
How to read this report: what each number is and what it is not

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.



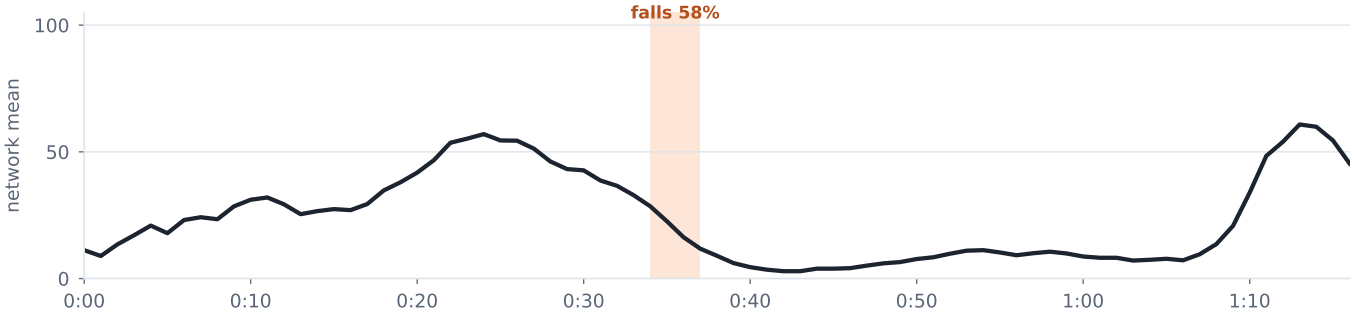
Leading network, second by second



NETWORK	LEADS FOR	SHARE OF THE CLIP	ITS STRONGEST SECOND
Auditory	42 s	55%	0:11
Visual	23 s	30%	0:24
Language	7 s	9%	1:13
Attention	5 s	6%	1:14

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

11 of 100

Leading network	Auditory
System	Objects & color
Regions	Higher visual: color + face/object patches; Posterior inferotemporal

0:34 Fall begins

48 of 100

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

0:37 Fall ends

22 of 100

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

0:41 Weakest 3 s begin

2 of 100

Leading network	Language
System	Scene & place recognition
Regions	Ventro-medial visual (scene); Superior frontal (attention)

1:13 Strongest second, Best after the fall

100 of 100

Leading network	Attention
System	Early visual cortex
Regions	Peripheral/retinotopic vision; Scene & place recognition

1:16 Final second

100 of 100

Leading network	Attention
System	Early visual cortex
Regions	Peripheral/retinotopic vision; Anterior cingulate (monitoring)

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	11	Auditory	Higher visual: color + face/object patches; Posterior inferotemporal (objects)		medium
0:01	19	Auditory	Posterior inferotemporal (objects); Higher visual: color + face/object patches		medium
0:02	31	Auditory	Auditory area 5 (superior temporal); Lateral belt (secondary auditory)	*I've had my ups and downs fair share of bumpy roads and heavy winds that's what made me*	medium
0:03	49	Auditory	Auditory area 5 (superior temporal); Lateral belt (secondary auditory)		medium
0:04	58	Auditory	Auditory area 5 (superior temporal); Posterior belt (secondary auditory)		medium
0:05	69	Auditory	Auditory area 5 (superior temporal); Lateral belt (secondary auditory)		medium
0:06	74	Auditory	Auditory area 5 (superior temporal); Posterior belt (secondary auditory)		medium
0:07	78	Auditory	Auditory area 5 (superior temporal); Auditory association cortex		medium
0:08	75	Auditory	Auditory area 5 (superior temporal); Auditory association cortex		medium
0:09	70	Auditory	Auditory area 5 (superior temporal); Auditory association cortex		medium
0:10	65	Auditory	Auditory area 5 (superior temporal); Posterior belt (secondary auditory)		medium
0:11	60	Auditory	Auditory area 5 (superior temporal); Auditory association cortex	*what I am today now I stand here before you what you see it's a body crafted to*	medium
0:12	55	Auditory	Auditory area 5 (superior temporal); Auditory association cortex		medium
0:13	48	Auditory	Auditory area 5 (superior temporal); Superior temporal sulcus (speech)		medium
0:14	43	Auditory	Auditory area 5 (superior temporal); Auditory association cortex		medium
0:15	40	Auditory	Auditory area 5 (superior temporal); Posterior belt (secondary auditory)		medium
0:16	42	Auditory	Auditory area 5 (superior temporal); Lateral belt (secondary auditory)		medium
0:17	44	Auditory	Auditory area 5 (superior temporal); Auditory association cortex		medium
0:18	46	Auditory	Auditory area 5 (superior temporal); Auditory association cortex	*perfection a pair of legs engineered to defy the laws of physics and a mindset to master the*	medium
0:19	51	Visual	Auditory area 5 (superior temporal); Higher visual: color + face/object patches		medium
0:20	57	Visual	Auditory area 5 (superior temporal); Auditory association cortex		medium
0:21	65	Visual	Auditory area 5 (superior temporal); Auditory association cortex		medium
0:22	71	Visual	Auditory area 5 (superior temporal); Ventro-medial visual (scene)		medium
0:23	78	Visual	Dorsal motion/form area; Ventro-medial visual (scene)		medium
0:24	80	Visual	Dorsal motion/form area; Color & form processing		medium
0:25	77	Visual	Dorsal motion/form area; Ventro-medial visual (scene)		medium
0:26	73	Visual	Dorsal motion/form area; Ventro-medial visual (scene)		medium

Every second (continued)

TIME	LEVEL	NETWORK	MOST ACTIVE REGIONS	WORDS	CONFID.
0:27	70	Visual	Dorsal motion/form area; Ventro-medial visual (scene)	*most epic of splits.*	medium
0:28	69	Visual	Ventro-medial visual (scene); Dorsal motion/form area		medium
0:29	68	Visual	Ventro-medial visual (scene); Dorsal motion/form area		medium
0:30	67	Visual	Ventro-medial visual (scene); Dorsal motion/form area		medium
0:31	66	Visual	Ventro-medial visual (scene); Dorsal motion/form area		medium
0:32	61	Visual	Ventro-medial visual (scene); Dorsal motion/form area		medium
0:33	56	Visual	Ventro-medial visual (scene); Dorsal motion/form area		medium
0:34	48	Visual	Ventro-medial visual (scene); Dorsal motion/form area		medium
0:35	39	Visual	Ventro-medial visual (scene); Dorsal motion/form area		medium
0:36	29	Visual	Ventro-medial visual (scene); Dorsal motion/form area		medium
0:37	22	Visual	Ventro-medial visual (scene); Dorsal motion/form area		medium
0:38	16	Visual	Ventro-medial visual (scene); Dorsal motion/form area		medium
0:39	12	Visual	Ventro-medial visual (scene); Parahippocampal (scene)		medium
0:40	6	Language	Ventro-medial visual (scene); Parahippocampal (scene)		medium
0:41	2	Language	Ventro-medial visual (scene); Superior frontal (attention)		medium
0:42	0	Language	Superior frontal (attention); Dorsal cingulate (control)		lower
0:43	0	Language	Dorsolateral prefrontal (control); Superior frontal (attention)		lower
0:44	1	Language	Dorsolateral prefrontal (control); Superior frontal (attention)		lower
0:45	2	Language	Dorsolateral prefrontal (control); Superior frontal (attention)		lower
0:46	3	Auditory	Dorsolateral prefrontal (control); Superior frontal (attention)		lower
0:47	4	Auditory	Dorsolateral prefrontal (control); Ventro-medial visual (scene)		lower
0:48	5	Auditory	Dorsolateral prefrontal (control); Ventro-medial visual (scene)		lower
0:49	6	Auditory	Ventro-medial visual (scene); Dorsolateral prefrontal (control)		medium
0:50	8	Auditory	Ventro-medial visual (scene); Dorsolateral prefrontal (control)		medium
0:51	10	Auditory	Ventro-medial visual (scene); Dorsolateral prefrontal (control)		medium
0:52	10	Auditory	Ventro-medial visual (scene); Medial belt (auditory)		medium
0:53	9	Auditory	Ventro-medial visual (scene); Dorsolateral prefrontal (control)		medium
0:54	9	Auditory	Ventro-medial visual (scene); Dorsolateral prefrontal (control)	*Only time We are there*	medium
0:55	8	Auditory	Ventro-medial visual (scene); Dorsolateral prefrontal (control)		medium

Every second (continued)

TIME	LEVEL	NETWORK	MOST ACTIVE REGIONS	WORDS	CONFID.
0:56	10	Auditory	Ventro-medial visual (scene); Anterior cingulate (attention)		medium
0:57	11	Language	Anterior cingulate (attention); Anterior cingulate (control)		lower
0:58	12	Auditory	Anterior cingulate (attention); Anterior cingulate (control)		lower
0:59	12	Auditory	Anterior cingulate (attention); Anterior cingulate (control)		lower
1:00	12	Auditory	Anterior cingulate (attention); Anterior cingulate (control)		lower
1:01	13	Auditory	Anterior cingulate (attention); Anterior cingulate (control)		lower
1:02	13	Auditory	Anterior cingulate (attention); Anterior cingulate (control)		lower
1:03	13	Auditory	Anterior cingulate (attention); Anterior cingulate (monitoring)		lower
1:04	13	Auditory	Frontal operculum (taste / mouth); Early visual cortex		lower
1:05	12	Auditory	Frontal operculum (taste / mouth); Early visual cortex		lower
1:06	13	Auditory	Frontal operculum (taste / mouth); Early visual cortex		lower
1:07	18	Auditory	Frontal operculum (salience); Anterior cingulate (monitoring)		lower
1:08	26	Auditory	Ventro-medial visual (scene); Anterior superior-temporal auditory		medium
1:09	38	Auditory	Ventro-medial visual (scene); Anterior cingulate (monitoring)		medium
1:10	58	Visual	Peripheral/retinotopic vision; Scene & place recognition		medium
1:11	84	Visual	Peripheral/retinotopic vision; Scene & place recognition		medium
1:12	100	Attention	Peripheral/retinotopic vision; Scene & place recognition		medium
1:13	100 ●	Attention	Peripheral/retinotopic vision; Scene & place recognition		medium
1:14	100	Attention	Peripheral/retinotopic vision; Scene & place recognition		medium
1:15	100	Attention	Peripheral/retinotopic vision; Scene & place recognition		medium
1:16	100	Attention	Peripheral/retinotopic vision; Anterior cingulate (monitoring)		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 40; the tick on each bar marks it.

0:03		63	I've had my ups and downs fair share of bumpy roads and heavy winds that's what made me
0:11		47	what I am today now I stand here before you what you see it's a body crafted to
0:19		67	perfection a pair of legs engineered to defy the laws of physics and a mindset to master the
0:28		69	most epic of splits.
0:54		11	Only time We are there

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**
X **@vincli_ai**
YouTube **@vincli_neuro**
LinkedIn **VINCLI LTD**

VINCLI LTD, company no. 16677554, 128 City Road, London EC1V 2NX