

VIDEO REPORT

What is Emotional Intelligence (EQ) and How Does it Apply to


STRONGEST SECOND
0:48

after the first three seconds

STEEPEST FALL
26%

0:25 to 0:28

WEAKEST 3 SECONDS
0:36 to 0:39

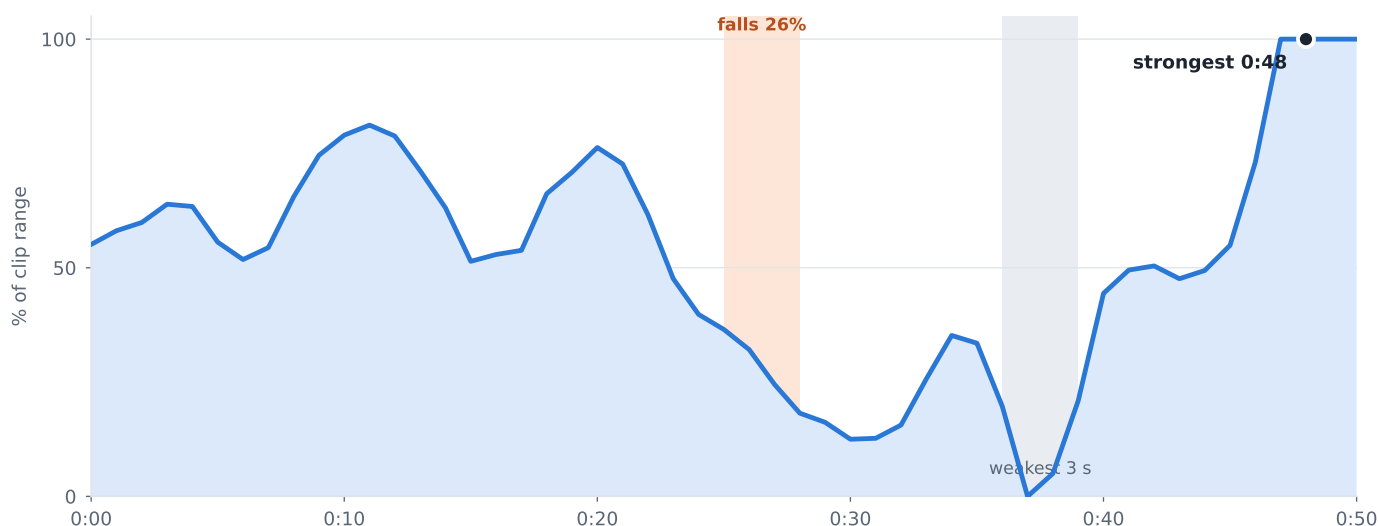
lowest stretch of the curve

AVERAGE LEVEL
52%

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 0:48, the predicted response falls 26% between 0:25 and 0:28, and the weakest 3-second stretch is 0:36 to 0:39.
- After the fall at 0:28 the predicted response comes back up past its pre-fall level by 0:41 (153% of it), the strongest moment after the opening.
- The auditory network has the highest predicted response for 61% of the clip, the visual network for 31%.
- Speech is present in 65% 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

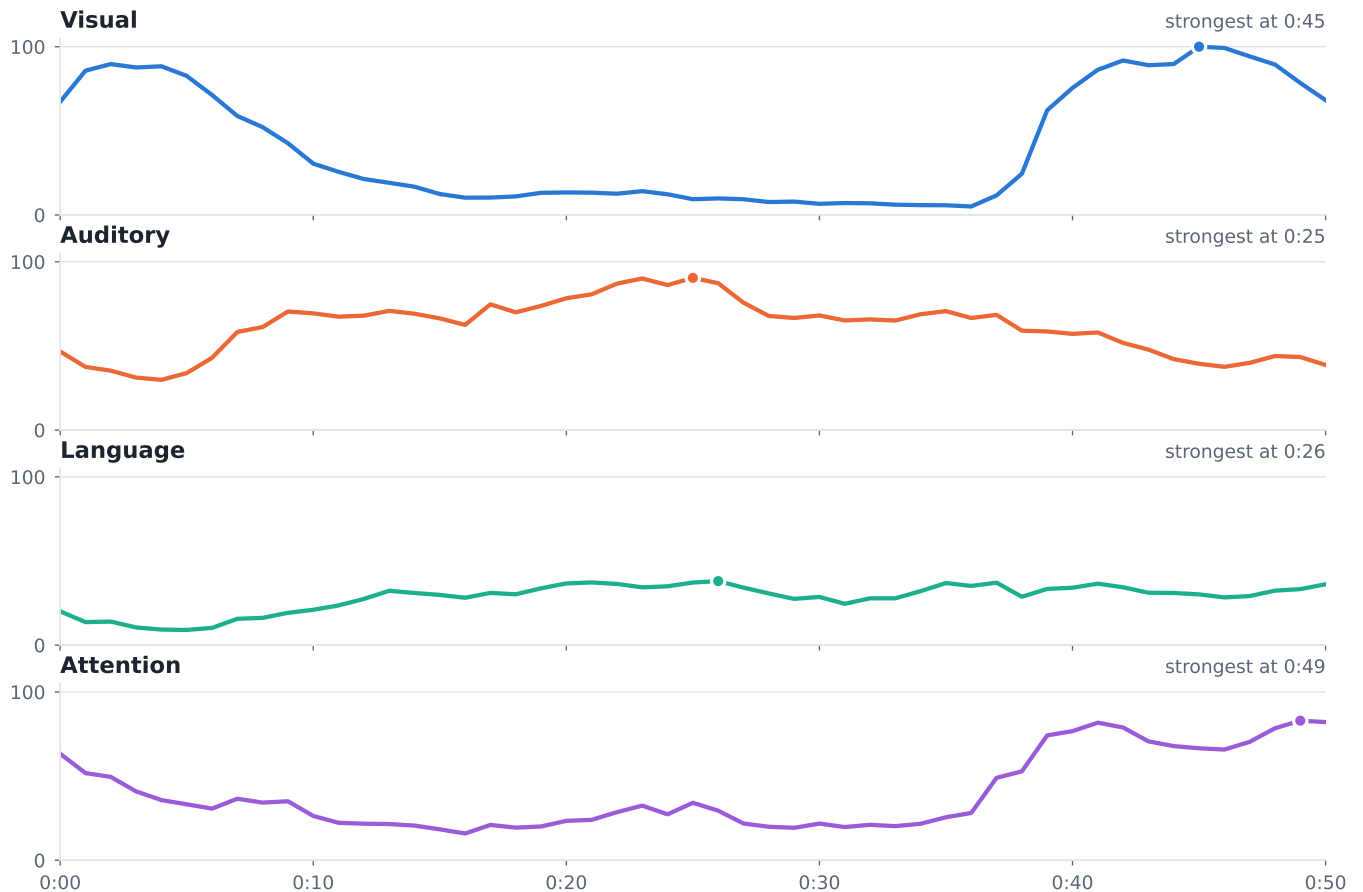
Key moments: the seconds worth a close look, with the frame and the words

Every second: level, leading network, most active regions and words

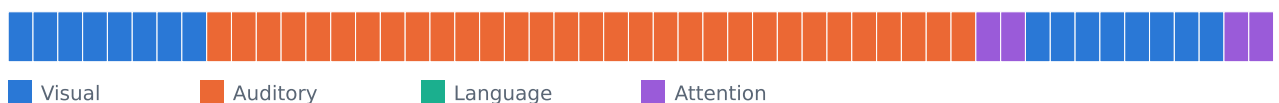
How to read this report: what each number is and what it is not

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.



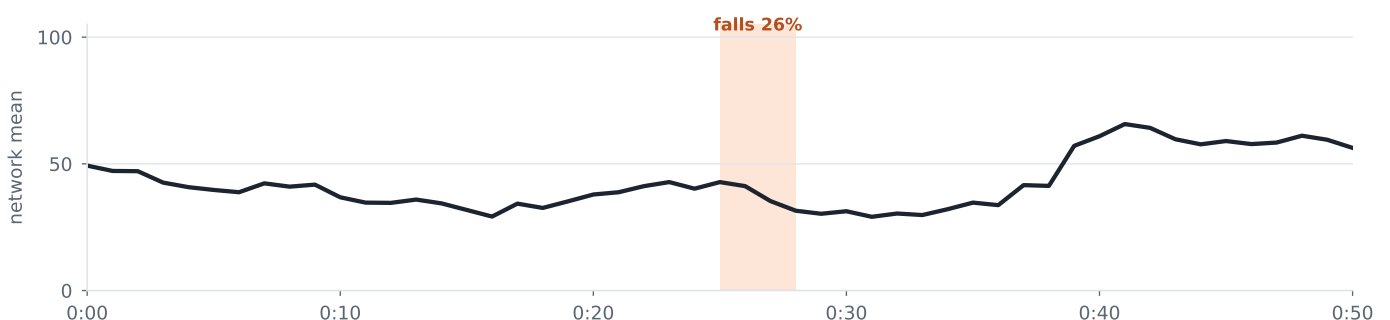
Leading network, second by second



NETWORK	LEADS FOR	SHARE OF THE CLIP	ITS STRONGEST SECOND
■ Auditory	31 s	61%	0:25
■ Visual	16 s	31%	0:45
■ Attention	4 s	8%	0:49
■ Language	0 s	0%	0:26

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

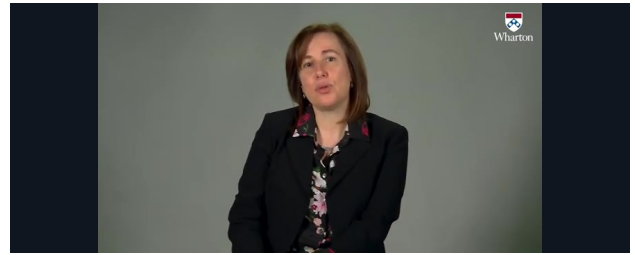
The seconds that define this video's predicted response. Levels are on the clip's own 0 to 100 range.



0:00 Opening

55 of 100

Leading network Visual
System Scene & place recognition
Regions Ventro-medial visual (scene); Dorsal visual V3B

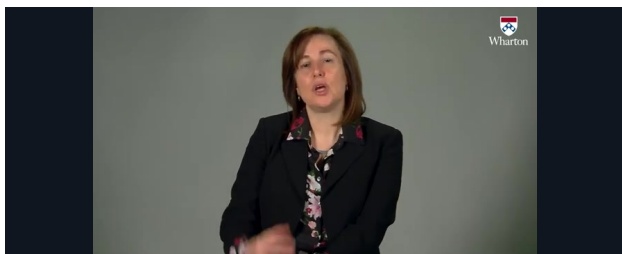


0:25 Fall begins

36 of 100

Leading network Auditory
System Auditory cortex
Regions Auditory area 5 (superior temporal); Superior temporal sulcus (speech)

"And then the third part is"

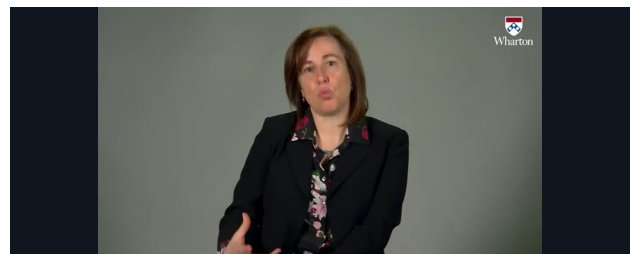


0:28 Fall ends

18 of 100

Leading network Auditory
System Voice & speech
Regions Superior temporal sulcus (speech); Auditory area 5 (superior temporal)

"to regulate your own emotions"



0:36 Weakest 3 s begin

20 of 100

Leading network Auditory
System Voice & speech
Regions Superior temporal sulcus (speech); Auditory area 5 (superior temporal)

"but not be overwhelmed by them and"



0:41 Best after the fall

50 of 100

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



0:48 Strongest second

100 of 100

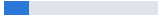
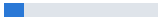
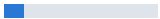
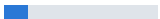
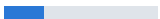
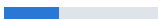
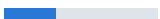
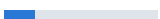
Leading network Visual
System Early visual cortex
Regions Peripheral/retinotopic vision; Scene & place recognition

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.

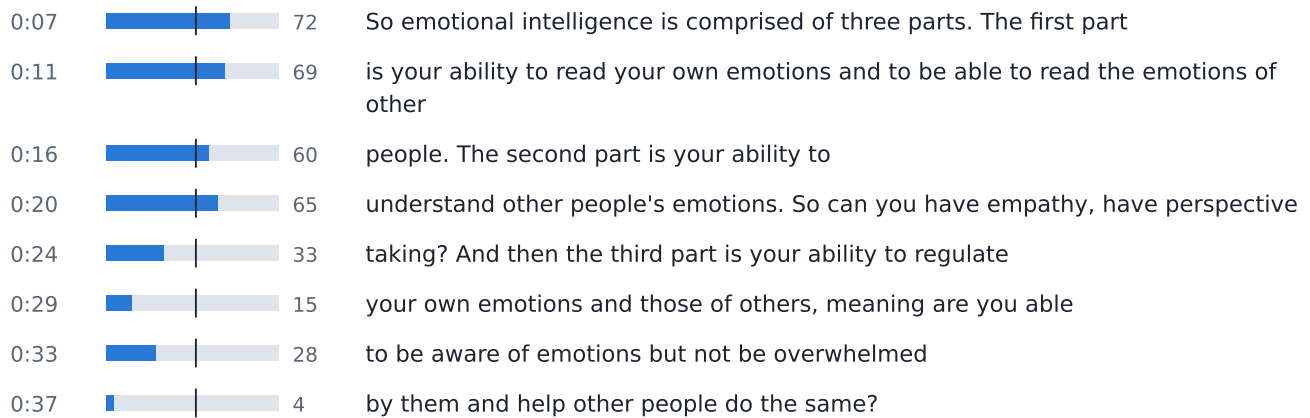
TIME	LEVEL	NETWORK	MOST ACTIVE REGIONS	WORDS	CONFID.
0:00	55	Visual	Ventro-medial visual (scene); Dorsal visual V3B		medium
0:01	58	Visual	Ventro-medial visual (scene); Dorsal visual V3B		medium
0:02	60	Visual	Ventro-medial visual (scene); Dorsal visual V3B		medium
0:03	64	Visual	Ventro-medial visual (scene); Higher visual: color + face/object patches		medium
0:04	63	Visual	Ventro-medial visual (scene); Higher visual: color + face/object patches		medium
0:05	56	Visual	Ventro-medial visual (scene); Higher visual: color + face/object patches		medium
0:06	52	Visual	Higher visual: color + face/object patches; Lateral belt (secondary auditory)		medium
0:07	54	Visual	Lateral belt (secondary auditory); Posterior belt (secondary auditory)	<i>So emotional</i>	medium
0:08	66	Auditory	Lateral belt (secondary auditory); Posterior belt (secondary auditory)	<i>emotional intelligence is</i>	medium
0:09	75	Auditory	Lateral belt (secondary auditory); Posterior belt (secondary auditory)	<i>is comprised of three parts.</i>	medium
0:10	79	Auditory	Lateral belt (secondary auditory); Posterior belt (secondary auditory)	<i>The first</i>	medium
0:11	81	Auditory	Auditory area 5 (superior temporal); Posterior belt (secondary auditory)	<i>first part is your ability</i>	medium
0:12	79	Auditory	Auditory area 5 (superior temporal); Posterior belt (secondary auditory)	<i>ability to read your own</i>	medium
0:13	71	Auditory	Auditory area 5 (superior temporal); Posterior belt (secondary auditory)	<i>own emotions and</i>	medium
0:14	63	Auditory	Auditory area 5 (superior temporal); Superior temporal sulcus (speech)	<i>to be able to read the emotions</i>	medium
0:15	51	Auditory	Auditory area 5 (superior temporal); Superior temporal sulcus (speech)	<i>emotions of other people.</i>	medium
0:16	53	Auditory	Auditory area 5 (superior temporal); Superior temporal sulcus (speech)	<i>The</i>	medium
0:17	54	Auditory	Auditory area 5 (superior temporal); Superior temporal sulcus (speech)	<i>second part</i>	medium
0:18	66	Auditory	Auditory area 5 (superior temporal); Superior temporal sulcus (speech)	<i>is your ability to</i>	medium
0:19	71	Auditory	Auditory area 5 (superior temporal); Superior temporal sulcus (speech)	<i>understand</i>	medium
0:20	76	Auditory	Auditory area 5 (superior temporal); Superior temporal sulcus (speech)	<i>other</i>	medium
0:21	73	Auditory	Auditory area 5 (superior temporal); Superior temporal sulcus (speech)	<i>people's emotions. So can</i>	medium
0:22	62	Auditory	Auditory area 5 (superior temporal); Superior temporal sulcus (speech)	<i>can you have empathy,</i>	medium
0:23	48	Auditory	Auditory area 5 (superior temporal); Posterior belt (secondary auditory)	<i>have perspective</i>	medium
0:24	40	Auditory	Auditory area 5 (superior temporal); Superior temporal sulcus (speech)	<i>taking? And</i>	medium
0:25	36	Auditory	Auditory area 5 (superior temporal); Superior temporal sulcus (speech)	<i>And then the third part</i>	medium
0:26	32	Auditory	Superior temporal sulcus (speech); Auditory area 5 (superior temporal)	<i>is your ability</i>	lower
0:27	24	Auditory	Superior temporal sulcus (speech); Auditory area 5 (superior temporal)	<i>to</i>	lower
0:28	18	Auditory	Superior temporal sulcus (speech); Auditory area 5 (superior temporal)	<i>regulate your own</i>	lower

Every second (continued)

TIME	LEVEL	NETWORK	MOST ACTIVE REGIONS	WORDS	CONFID.
0:29	 16	 Auditory	Superior temporal sulcus (speech); Auditory area 5 (superior temporal)	<i>own emotions and</i>	lower
0:30	 12	 Auditory	Superior temporal sulcus (speech); Auditory area 5 (superior temporal)	<i>and those of others,</i>	lower
0:31	 13	 Auditory	Superior temporal sulcus (speech); Auditory area 5 (superior temporal)	<i>meaning are</i>	lower
0:32	 16	 Auditory	Superior temporal sulcus (speech); Auditory area 5 (superior temporal)	<i>are you able to</i>	lower
0:33	 26	 Auditory	Superior temporal sulcus (speech); Auditory area 5 (superior temporal)	<i>to be aware</i>	lower
0:34	 35	 Auditory	Superior temporal sulcus (speech); Auditory area 5 (superior temporal)	<i>of emotions</i>	lower
0:35	 34	 Auditory	Superior temporal sulcus (speech); Auditory area 5 (superior temporal)	<i>but not be</i>	lower
0:36	 20	 Auditory	Superior temporal sulcus (speech); Auditory area 5 (superior temporal)	<i>be overwhelmed by</i>	lower
0:37	 0	 Auditory	Superior temporal sulcus (speech); Supplementary & cingulate eye field (action control)	<i>by them and help other</i>	lower
0:38	 5	 Auditory	Cingulate (control); Anterior cingulate (monitoring)	<i>other people do the same?</i>	lower
0:39	 21	 Attention	Peripheral/retinotopic vision; Anterior cingulate (monitoring)	<i>same?</i>	medium
0:40	 44	 Attention	Peripheral/retinotopic vision; Scene & place recognition		medium
0:41	 50	 Visual	Peripheral/retinotopic vision; Scene & place recognition		medium
0:42	 50	 Visual	Peripheral/retinotopic vision; Dorsal visual V3B		medium
0:43	 48	 Visual	Ventro-medial visual (scene); Dorsal visual V3B		medium
0:44	 49	 Visual	Ventro-medial visual (scene); Dorsal visual V3B		medium
0:45	 55	 Visual	Ventro-medial visual (scene); Dorsal visual V3B		medium
0:46	 73	 Visual	Ventro-medial visual (scene); Dorsal visual V3B		medium
0:47	 100	 Visual	Peripheral/retinotopic vision; Scene & place recognition		medium
0:48	 100 ●	 Visual	Peripheral/retinotopic vision; Scene & place recognition		medium
0:49	 100	 Attention	Peripheral/retinotopic vision; Scene & place recognition		medium
0:50	 100	 Attention	Peripheral/retinotopic vision; Parieto-occipital sulcus		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.



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 3 seconds

The three consecutive seconds with the lowest average level. 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.



CONTACT

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

FOLLOW

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