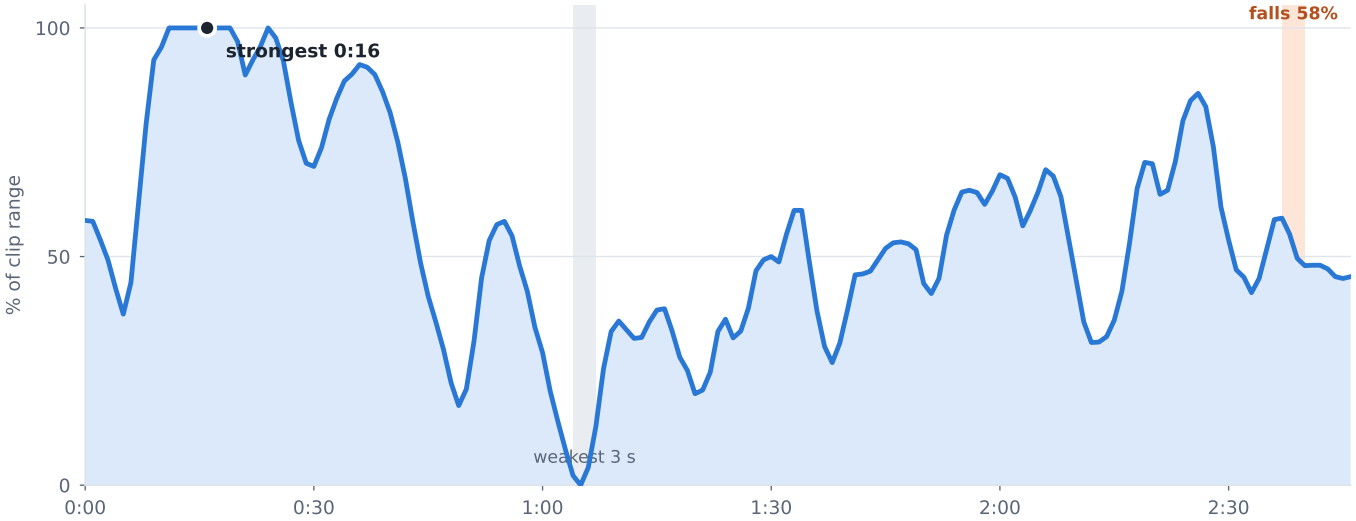
VIDEO REPORT

Grand Theft Auto VI Trailer 2

STRONGEST SECOND	STEEPEST FALL	WEAKEST 3 SECONDS	AVERAGE LEVEL
0:16	**58%**	**1:04 to 1:07**	**55%**
after the first three seconds	2:37 to 2:40	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

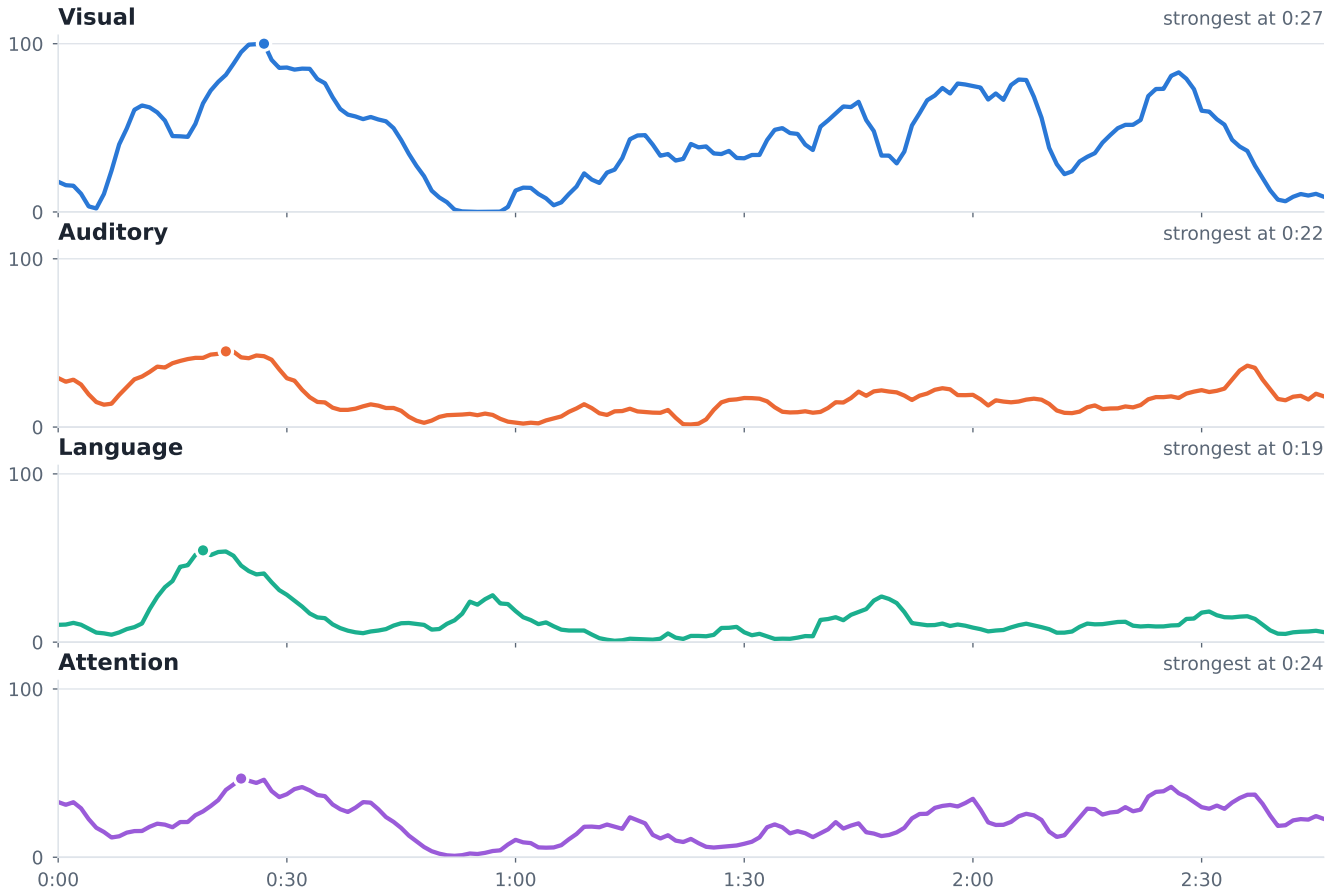
- After the first three seconds, the predicted brain response peaks at 0:16, the predicted response falls 58% between 2:37 and 2:40, and the weakest 3-second stretch is 1:04 to 1:07.
- After the fall at 2:40 the predicted response never gets back above 54% of its pre-fall level (best at 2:45); the clip's strongest moment stays 0:16.
- The visual network has the highest predicted response for 78% of the clip, the attention network for 12%.
- Speech is present in 22% of the seconds; the words are set against the curve on the later pages.

In this report

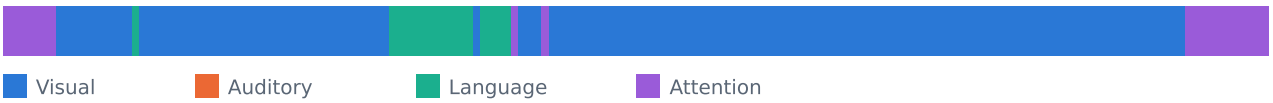
Brain networks: which of the four networks leads, and when
Key moments: the seconds worth a close look, with the frame and the words
Every second: level, leading network, most active regions and words
How to read this report: what each number is and what it is not

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.



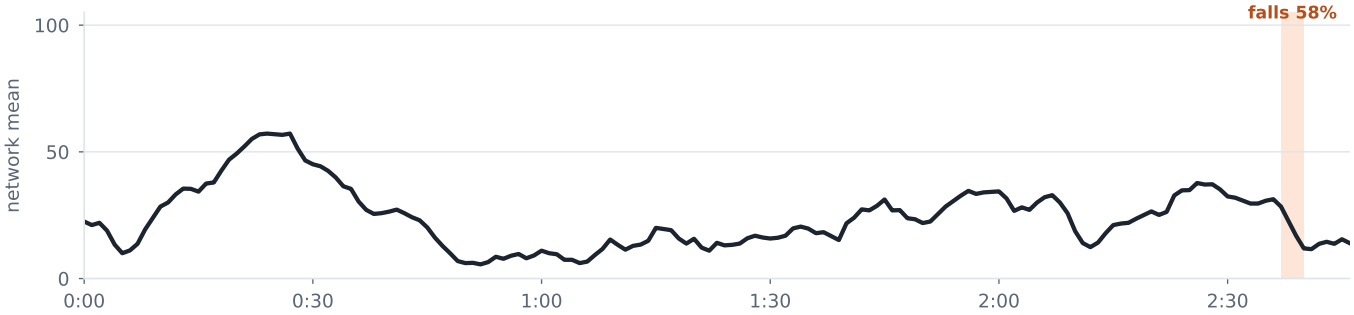
Leading network, second by second



NETWORK	LEADS FOR	SHARE OF THE CLIP	ITS STRONGEST SECOND
Visual	131 s	78%	0:27
Attention	20 s	12%	0:24
Language	16 s	10%	0:19
Auditory	0 s	0%	0:22

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

58 of 100

Leading network	Attention
System	Salience / control
Regions	Frontal operculum (salience); Anterior cingulate (monitoring)

0:16 Strongest second

100 of 100

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

“Seriously, dude, you got some time on your hands. I got some properties with paying tenants.”

1:04 Weakest 3 s begin

2 of 100

Leading network	Language
System	Early visual cortex
Regions	Early visual cortex; Dorsolateral prefrontal (working memory / control)

2:37 Fall begins

58 of 100

Leading network	Attention
System	Salience / control
Regions	Anterior cingulate (monitoring); Anterior superior-temporal auditory

2:40 Fall ends

48 of 100

Leading network	Attention
System	Auditory cortex
Regions	Anterior superior-temporal auditory; Frontal operculum (salience)

2:45 Best after the fall

45 of 100

Leading network	Attention
System	Salience / control
Regions	Frontal operculum (salience); 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	58	Attention	Frontal operculum (salience); Anterior cingulate (monitoring)		lower
0:01	58	Attention	Frontal operculum (salience); Anterior cingulate (monitoring)		lower
0:02	54	Attention	Anterior cingulate (monitoring); Frontal operculum (salience)		lower
0:03	49	Attention	Anterior cingulate (monitoring); Frontal operculum (salience)		lower
0:04	43	Attention	Frontal operculum (salience); Anterior cingulate (monitoring)		lower
0:05	37	Attention	Ventral DLPFC (control); Spatial attention		lower
0:06	44	Attention	Ventro-medial visual (scene); Spatial attention		medium
0:07	62	Visual	Ventro-medial visual (scene); Higher visual: color + face/object patches		medium
0:08	79	Visual	Ventro-medial visual (scene); Higher visual: color + face/object patches		medium
0:09	93	Visual	Ventro-medial visual (scene); Higher visual: color + face/object patches	*What are you doing up there?*	medium
0:10	96	Visual	Higher visual: color + face/object patches; Lateral belt (secondary auditory)		medium
0:11	100	Visual	Lateral belt (secondary auditory); Higher visual: color + face/object patches	*I'm just fixing some leaks.*	medium
0:12	100	Visual	Lateral belt (secondary auditory); Posterior belt (secondary auditory)		medium
0:13	100	Visual	Lateral belt (secondary auditory); Auditory area 5 (superior temporal)	*Seriously, dude, you got some time on your hands.*	medium
0:14	100	Visual	Auditory area 5 (superior temporal); Lateral belt (secondary auditory)		medium
0:15	100	Visual	Auditory area 5 (superior temporal); Superior temporal sulcus (speech)	*I got some properties with paying tenants.*	medium
0:16	100 ●	Visual	Auditory area 5 (superior temporal); Superior temporal sulcus (speech)		medium
0:17	100	Language	Auditory area 5 (superior temporal); Superior temporal sulcus (speech)		medium
0:18	100	Visual	Auditory area 5 (superior temporal); Superior temporal sulcus (speech)	*Oh, that's why you came by?*	medium
0:19	100	Visual	Auditory area 5 (superior temporal); Superior temporal sulcus (speech)		medium
0:20	97	Visual	Motion area (V5); Auditory area 5 (superior temporal)	*Just go get me my checks.*	medium
0:21	90	Visual	Motion area (V5); Motion-related		medium
0:22	93	Visual	Motion area (V5); Motion-related	*See you, Brian.*	medium
0:23	96	Visual	Motion area (V5); Motion-related		medium
0:24	100	Visual	Upper visual field area; Dorsal visual V3B	*Love you, Jason.*	medium
0:25	98	Visual	Dorsal visual V3B; Ventro-medial visual (scene)		medium
0:26	93	Visual	Ventro-medial visual (scene); Dorsal visual V3B		medium
0:27	84	Visual	Ventro-medial visual (scene); Dorsal visual V3B		medium
0:28	75	Visual	Ventro-medial visual (scene); Dorsal visual V3B	*Hi, Jason.*	medium
0:29	70	Visual	Ventro-medial visual (scene); Dorsal visual V3B		medium
0:30	70	Visual	Ventro-medial visual (scene); Dorsal visual V3B		medium
0:31	74	Visual	Ventro-medial visual (scene); Dorsal visual V3B		medium
0:32	80	Visual	Ventro-medial visual (scene); Dorsal visual V3B		medium

Every second (continued)

TIME	LEVEL	NETWORK	MOST ACTIVE REGIONS	WORDS	CONFID.
0:33	85	Visual	Ventro-medial visual (scene); Dorsal visual V3B		medium
0:34	88	Visual	Ventro-medial visual (scene); Dorsal visual V3B		medium
0:35	90	Visual	Dorsal motion/form area; Ventro-medial visual (scene)		medium
0:36	92	Visual	Dorsal motion/form area; Ventro-medial visual (scene)		medium
0:37	91	Visual	Dorsal motion/form area; Ventro-medial visual (scene)		medium
0:38	90	Visual	Dorsal motion/form area; Ventro-medial visual (scene)		medium
0:39	86	Visual	Dorsal motion/form area; Lateral occipital (objects)		medium
0:40	82	Visual	Dorsal motion/form area; Lateral occipital (objects)		medium
0:41	75	Visual	Dorsal motion/form area; Lateral occipital (objects)		medium
0:42	67	Visual	Dorsal motion/form area; Dorsal visual V3B		medium
0:43	58	Visual	Ventro-medial visual (scene); Dorsal motion/form area		medium
0:44	49	Visual	Ventro-medial visual (scene); Dorsal motion/form area		medium
0:45	41	Visual	Ventro-medial visual (scene); Dorsal visual V3B		medium
0:46	36	Visual	Ventro-medial visual (scene); Dorsal motion/form area		medium
0:47	30	Visual	Ventro-medial visual (scene); Dorsal visual transitional		medium
0:48	22	Visual	Ventro-medial visual (scene); Parieto-occipital sulcus		medium
0:49	17	Visual	Parieto-occipital sulcus; Ventro-medial visual (scene)		medium
0:50	21	Visual	Parieto-occipital sulcus; Lateral belt (secondary auditory)	*I'm here for Lucia Camino's she's supposed to be getting out what's your What's your name?*	medium
0:51	31	Language	Auditory area 5 (superior temporal); Lateral belt (secondary auditory)		medium
0:52	45	Language	Auditory area 5 (superior temporal); Superior temporal sulcus (speech)		medium
0:53	54	Language	Auditory area 5 (superior temporal); Superior temporal sulcus (speech)		medium
0:54	57	Language	Auditory area 5 (superior temporal); Superior temporal sulcus (speech)		medium
0:55	58	Language	Auditory area 5 (superior temporal); Superior temporal sulcus (speech)	*Jason Duvall.*	medium
0:56	54	Language	Superior temporal sulcus (speech); Auditory area 5 (superior temporal)	*I've seen you here before.*	lower
0:57	48	Language	Superior temporal sulcus (speech); Auditory area 5 (superior temporal)		lower
0:58	42	Language	Superior temporal sulcus (speech); Temporo-parieto-occipital junction	*You might have.*	lower
0:59	34	Language	Superior temporal visual; Superior temporal sulcus (speech)		lower
1:00	29	Language	Early visual cortex; Motion processing		medium
1:01	21	Language	Motion processing; Early visual cortex		medium
1:02	14	Visual	Motion processing; Motion area (V5)		medium
1:03	8	Language	Motion processing; Motion area (V5)		medium

Every second (continued)

TIME	LEVEL	NETWORK	MOST ACTIVE REGIONS	WORDS	CONFID.
1:04	2	Language	Early visual cortex; Dorsolateral prefrontal (working memory / control)		medium
1:05	0	Language	Dorsolateral prefrontal (working memory / control); Anterior cingulate (attention)		lower
1:06	4	Language	Anterior cingulate (control); Anterior cingulate (attention)	*Hey.*	lower
1:07	13	Attention	Anterior cingulate (control); Anterior cingulate (monitoring)		lower
1:08	26	Visual	Anterior cingulate (control); Anterior cingulate (monitoring)		lower
1:09	34	Visual	Anterior cingulate (control); Anterior cingulate (monitoring)		lower
1:10	36	Visual	Anterior superior-temporal auditory; Spatial attention		medium
1:11	34	Attention	Anterior superior-temporal auditory; Ventro-medial visual (scene)		medium
1:12	32	Visual	Ventro-medial visual (scene); Upper visual field area		medium
1:13	32	Visual	Ventro-medial visual (scene); Upper visual field area		medium
1:14	36	Visual	Ventro-medial visual (scene); Upper visual field area	*Hands above your heads, now!*	medium
1:15	38	Visual	Upper visual field area; Ventro-medial visual (scene)		medium
1:16	39	Visual	Upper visual field area; Ventro-medial visual (scene)	*You, stay.*	medium
1:17	34	Visual	Upper visual field area; Dorsal visual V3A		medium
1:18	28	Visual	Upper visual field area; Motion-related		medium
1:19	25	Visual	Upper visual field area; Posterior belt (secondary auditory)	*The new beginnings.*	medium
1:20	20	Visual	Motion area (V5); Motion-related	*You wish we knew, we just didn't.*	medium
1:21	21	Visual	Ventro-medial visual (scene); Higher visual: color + face/object patches		medium
1:22	25	Visual	Ventro-medial visual (scene); Dorsal motion/form area		medium
1:23	34	Visual	Ventro-medial visual (scene); Dorsal motion/form area		medium
1:24	36	Visual	Ventro-medial visual (scene); Dorsal motion/form area		medium
1:25	32	Visual	Ventro-medial visual (scene); Dorsal motion/form area		medium
1:26	34	Visual	Lateral belt (secondary auditory); Posterior belt (secondary auditory)	*Trust me, this place is just the start for us.*	medium
1:27	39	Visual	Lateral belt (secondary auditory); Posterior belt (secondary auditory)		medium
1:28	47	Visual	Auditory area 5 (superior temporal); Posterior belt (secondary auditory)		medium
1:29	49	Visual	Auditory area 5 (superior temporal); Auditory association cortex	*Ring the bells!*	medium
1:30	50	Visual	Posterior belt (secondary auditory); Auditory association cortex	*Yes, baby!*	medium
1:31	49	Visual	Posterior belt (secondary auditory); Auditory association cortex	*The only thing that matters is who you know and what you got.*	medium
1:32	55	Visual	Motion-related; Motion processing		medium
1:33	60	Visual	Motion-related; Motion processing		medium
1:34	60	Visual	Motion-related; Motion processing		medium

Every second (continued)

TIME	LEVEL	NETWORK	MOST ACTIVE REGIONS	WORDS	CONFID.
1:35	49	Visual	Motion-related; Motion processing		medium
1:36	38	Visual	Motion-related; Motion processing		medium
1:37	30	Visual	Motion-related; Motion processing	*If we're gonna do this, we're doing it right.*	medium
1:38	27	Visual	Higher visual: color + face/object patches; Motion-related		medium
1:39	31	Visual	Higher visual: color + face/object patches; Color & form processing		medium
1:40	38	Visual	Motion area (V5); Temporo-parieto-occipital junction		medium
1:41	46	Visual	Motion area (V5); Temporo-parieto-occipital junction	*Yo, D, this full effect?*	medium
1:42	46	Visual	Motion area (V5); Temporo-parieto-occipital junction		medium
1:43	47	Visual	Higher visual: color + face/object patches; Ventro-medial visual (scene)		medium
1:44	49	Visual	Higher visual: color + face/object patches; Temporo-parieto-occipital junction	*They got your name, address, they got everything.*	medium
1:45	52	Visual	Higher visual: color + face/object patches; Ventro-medial visual (scene)		medium
1:46	53	Visual	Higher visual: color + face/object patches; Dorsal visual V3A		medium
1:47	53	Visual	Auditory area 5 (superior temporal); Auditory association cortex		medium
1:48	53	Visual	Auditory area 5 (superior temporal); Auditory association cortex	*Us cops, we gotta protect each other.*	medium
1:49	52	Visual	Auditory area 5 (superior temporal); Auditory association cortex		medium
1:50	44	Visual	Auditory area 5 (superior temporal); Auditory association cortex		medium
1:51	42	Visual	Auditory area 5 (superior temporal); Auditory association cortex	*Like, brr, brr, brr!*	medium
1:52	45	Visual	Upper visual field area; Motion processing		medium
1:53	55	Visual	Motion-related; Motion processing		medium
1:54	60	Visual	Motion-related; Upper visual field area	*You and me, Lou.*	medium
1:55	64	Visual	Motion-related; Upper visual field area	*We got this.*	medium
1:56	64	Visual	Motion-related; Higher visual: color + face/object patches		medium
1:57	64	Visual	Motion-related; Higher visual: color + face/object patches	*We got it.*	medium
1:58	61	Visual	Dorsal visual V3B; Higher visual: color + face/object patches		medium
1:59	64	Visual	Dorsal visual V3B; Ventro-medial visual (scene)		medium
2:00	68	Visual	Dorsal visual V3B; Ventro-medial visual (scene)		medium
2:01	67	Visual	Ventro-medial visual (scene); Dorsal visual V3B	*Say, city, baby!*	medium
2:02	63	Visual	Ventro-medial visual (scene); Dorsal visual V3B		medium
2:03	57	Visual	Ventro-medial visual (scene); Dorsal visual V3B		medium
2:04	60	Visual	Ventro-medial visual (scene); Dorsal visual V3B		medium
2:05	64	Visual	Ventro-medial visual (scene); Higher visual: color + face/object patches	*My city, baby!*	medium
2:06	69	Visual	Ventro-medial visual (scene); Higher visual: color + face/object patches		medium
2:07	68	Visual	Ventro-medial visual (scene); Dorsal visual V3B		medium
2:08	63	Visual	Ventro-medial visual (scene); Dorsal motion/form area	*Come to Phil's Ham U Nation today!*	medium

Every second (continued)

TIME	LEVEL	NETWORK	MOST ACTIVE REGIONS	WORDS	CONFID.
2:09	54	Visual	Ventro-medial visual (scene); Dorsal motion/form area		medium
2:10	45	Visual	Parahippocampal (scene); Ventro-medial visual (scene)		medium
2:11	36	Visual	Parahippocampal (scene); Ventro-medial visual (scene)	*We got more guns than the law allows!*	medium
2:12	31	Visual	Parahippocampal (scene); Ventro-medial visual (scene)		medium
2:13	31	Visual	Ventro-medial visual (scene); Parahippocampal (scene)		medium
2:14	32	Visual	Ventro-medial visual (scene); Parahippocampal (scene)		medium
2:15	36	Visual	Ventro-medial visual (scene); Early visual cortex	*Hey.*	medium
2:16	42	Visual	Ventro-medial visual (scene); Intraparietal (attention)		medium
2:17	53	Visual	Ventro-medial visual (scene); Dorsal motion/form area		medium
2:18	65	Visual	Ventro-medial visual (scene); Dorsal motion/form area		medium
2:19	71	Visual	Ventro-medial visual (scene); Dorsal visual V3B		medium
2:20	70	Visual	Ventro-medial visual (scene); Dorsal visual V3B		medium
2:21	64	Visual	Ventro-medial visual (scene); Dorsal visual V3B		medium
2:22	64	Visual	Ventro-medial visual (scene); Dorsal visual V3B		medium
2:23	71	Visual	Ventro-medial visual (scene); Upper visual field area		medium
2:24	80	Visual	Upper visual field area; Ventro-medial visual (scene)		medium
2:25	84	Visual	Upper visual field area; Dorsal visual V3B		medium
2:26	86	Visual	Upper visual field area; Dorsal visual V3B		medium
2:27	83	Visual	Upper visual field area; Ventro-medial visual (scene)		medium
2:28	74	Visual	Ventro-medial visual (scene); Upper visual field area		medium
2:29	61	Visual	Upper visual field area; Ventro-medial visual (scene)	*Hey, if you got friends, can you hook me up, please?*	medium
2:30	54	Visual	Upper visual field area; Dorsal visual (reach / motion)		medium
2:31	47	Visual	Upper visual field area; Motion-related		medium
2:32	46	Visual	Ventro-medial visual (scene); Dorsal visual V3B		medium
2:33	42	Visual	Ventro-medial visual (scene); Dorsal visual V3B		medium
2:34	45	Visual	Ventro-medial visual (scene); Anterior superior-temporal auditory		medium
2:35	52	Visual	Anterior cingulate (monitoring); Anterior superior-temporal auditory		lower
2:36	58	Attention	Anterior cingulate (monitoring); Scene & place recognition		lower
2:37	58	Attention	Anterior cingulate (monitoring); Anterior superior-temporal auditory		lower
2:38	55	Attention	Anterior superior-temporal auditory; Frontal operculum (salience)		medium
2:39	50	Attention	Anterior superior-temporal auditory; Frontal operculum (salience)		medium
2:40	48	Attention	Anterior superior-temporal auditory; Frontal operculum (salience)		medium

Every second (continued)

TIME	LEVEL	NETWORK	MOST ACTIVE REGIONS	WORDS	CONFID.
2:41	48	Attention	Anterior superior-temporal auditory; Spatial attention		medium
2:42	48	Attention	Anterior superior-temporal auditory; Frontal operculum (salience)		medium
2:43	47	Attention	Anterior superior-temporal auditory; Frontal operculum (salience)		medium
2:44	46	Attention	Frontal operculum (salience); Spatial attention		lower
2:45	45	Attention	Frontal operculum (salience); Spatial attention		lower
2:46	46	Attention	Frontal operculum (salience); 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 55; the tick on each bar marks it.

0:09	94	What are you doing up there?
0:11	100	I'm just fixing some leaks.
0:13	100	Seriously, dude, you got some time on your hands.
0:16	100	I got some properties with paying tenants.
0:19	100	Oh, that's why you came by?
0:20	93	Just go get me my checks.
0:22	94	See you, Brian.
0:24	100	Love you, Jason.
0:28	73	Hi, Jason.
0:50	42	I'm here for Lucia Camino's she's supposed to be getting out what's your What's your name?
0:55	56	Jason Duvall.
0:57	48	I've seen you here before.
0:59	38	You might have.
1:06	8	Hey.
1:14	38	Hands above your heads, now!
1:16	36	You, stay.
1:19	23	The new beginnings.
1:21	22	You wish we knew, we just didn't.
1:27	42	Trust me, this place is just the start for us.
1:29	50	Ring the bells!
1:30	49	Yes, baby!
1:32	56	The only thing that matters is who you know and what you got.
1:37	29	If we're gonna do this, we're doing it right.
1:42	46	Yo, D, this full effect?
1:44	51	They got your name, address, they got everything.
1:48	49	Us cops, we gotta protect each other.
1:51	44	Like, brr, brr, brr!
1:55	62	You and me, Lou.
1:56	64	We got this.
1:57	64	We got it.
2:02	62	Say, city, baby!
2:06	67	My city, baby!
2:09	49	Come to Phil's Ham U Nation today!

The words (continued)

2:12		33	We got more guns than the law allows!
2:16		39	Hey.
2:30		52	Hey, if you got friends, can you hook me up, please?

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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