Supplementary materials

1. Additional instructions for coders

The coders were given several practical and more specific instructions to help them decide on the position of the answer point. These are given below.

Practical instructions

- Use the auditory information as well as the transcription (listen to one question at a time and immediately code that) and take into account intonation of the question (also in combination with context, see below).
- Take into account the participant's reaction; if they answer for example already during the question, it is clear that the answer point should be placed before that position.
- Take into account the context when determining the answer point. Listen to the interviews in the right order because many questions are asked based on the participant's previous reaction.
- When in doubt, listen to only part of the question and try to put yourself in the participant's position; would this information be enough to answer the question?

Specific instructions

- When in doubt about two consecutive words, take the latter as the answer word. However, when two words are clearly part of a compound (e.g., "Radboud University"), take the first of these as the answer word.
- In some cases, the interviewer first gives some information before actually asking the question. The answer word should always be in the question part.
- 'Or'-questions often allow the participant to start planning in the part before the 'or' because the latter part is often predictable from the first part, or the context.
- In the case of disfluencies (e.g., partial words), take the disfluency itself as the answer word if the word that was meant can be derived from the disfluency, otherwise, take the full word.
- Question words (like 'where', 'how long') often (but not always) indicate the expected answer immediately (in relation to the context).

2. ROIs in LMER



Figure S1. Division of electrodes over the 9 ROIs in the LMER EEG analyses. Each ROI is made up of 6 or 7 electrodes. The abbreviations indicate the names of the ROIs. The first letter indicates the level on the Anterior-Posterior factor (A: Anterior, M: Mid, P: Posterior) and the second letter indicates the level on the Left-Right factor (L: Left, M: Mid, R: Right).

3. Individual variability in response time



Figure S2. Density plots for response time (in milliseconds) for all participants separately. Every line represents a participant.

4. Distribution of question length



Figure S3. Density plot for question length (in seconds). The distribution is very right-skewed, with a mode just over one second, indicating relatively many short questions are present in the corpus.

5. Descriptive statistics agreed and non-scripted selections

The same descriptive statistics that were calculated on the full selection (see Figure 1 and section *3.1: Behavioral results*) were also calculated excluding questions on which the coders disagreed about the answer point ('agreed selection', 1091 questions) and excluding questions that were scripted ('non-scripted selection', 1052 questions). Table S1 shows mean, median, and estimated mode of Response Time, Planning Time, and normalized position within the question (relative to question onset) for both selections plus the full selection for comparison. The values are generally quite similar, except for the Response Times in the non-scripted selection, which are slightly later. This is to be expected because the scripted questions were all polar questions which required a 'yes' response, which is likely to be given very quickly.

		Full	Agreed	Non-scripted
Response time	Mean	380 ms	366 ms	408 ms
	Median	336 ms	320 ms	373 ms
	Mode	~ 200 ms	~ 200 ms	~ 250 ms
Planning time	Mean	1374 ms	1318 ms	1376 ms
	Median	1083 ms	1027 ms	1074 ms
	Mode	~ 700 ms	~ 700 ms	~ 750 ms
Normalized	Mean	37.8%	37.7%	37.2%
position in	Median	36.2%	36.1%	34.8%
question	Mode	~ 33%	~ 33%	~ 30%

Table S1. Descriptive statistics of general tendency for the full, agreed, and non-scripted selections on Response Time, Planning Time, and normalized position in the question.

6. Behavioral models

Table S2. Model for behavioral data.

Output behav	Output behavioral model (Linear mixed model fit by maximum likelihood)					
Formula						
ResponseTin	ne ~ PlanningTime_ $z + A$	nswerLength_z -	+ QuestionType +	-		
QuestionC	Dnset_to_AnswerPoint_z +	FrequencyLog	_z + WordType +	Agreed	+	
Scripted +	PlanningTime_z * Answ	erLength_z + Pla	nningTime_z *			
WordType	$e + (PlanningTime_z + Ar)$	swerLength_z	Participant)			
Control (lme	rControl(optimizer = "bob	oyqa"))				
AIC	BIC	<u>logLik</u>	deviance	<u>c</u>	lf.resid	
1299.8	1394.3	-631.9	1263.8		1390	
Scaled Resid	uals					
Min	<u>10</u>	<u>Median</u>	<u>3Q</u>		Max	
-4.32	-0.50	-0.03	0.53		4.20	
Random Effe	ects					
<u>Groups</u>	<u>Name</u>	Variance	Std.Dev	Corr		
Participant	Intercept	0.028	0.169			
	PlanningTime_z	0.007	0.082	0.29		
	AnswerLength_z	0.012	0.111	0.47	-0.29	
Residual 0.127 0.357						
Fixed Effects	8					
Estimate Std. Error t-value						
Intercept 0.396 0.030 13.126						
PlanningTim	e_z	-0.138	0.019		-7.465	
AnswerLeng	th_z	0.158	0.022		7.170	
QuestionTyp	e[polar]	-0.081	0.013		-6.307	
QuestionOns	et_to_AnswerPoint_z	0.013	0.011		1.166	
FrequencyLo	og_z	0.008	0.012	0.635		
WordType[c	ontent]	0.053	0.014	3.853		
Agreed[yes]		-0.001	0.013	-0.080		
Scripted[yes]]	0.013	0.012	1.070		
PlanningTime_z:AnswerLength_z 0.01			0.010		1.401	
PlanningTime_z:QuestionType[polar]0.0060.0130.508						
<i>Note</i> . Number of observations = 1408; groups: Participant, 46						

Output behavio	<i>Output behavioral model; PlanningTime> 400 ms (Linear mixed model fit by maximum</i>					
likelihood)	-			-		
Formula						
ResponseTime	~ PlanningTime_ $z + A_z$	nswerLength_z +	+ QuestionType +	-		
QuestionOns	set_to_AnswerPoint_z +	- FrequencyLog_	z + WordType +	Agreed +		
Scripted + P	lanningTime_z * Answe	erLength_z + Pla	nningTime_z *			
WordType +	- (PlanningTime_z + An	swerLength_z]	Participant)			
Control (lmerC	Control(optimizer = "bob	oyqa"))				
AIC	BIC	<u>logLik</u>	<u>deviance</u>	<u>df</u>	Eresid	
1269.8	1363.7	-616.9	1233.8]	1346	
Scaled Residua	ıls					
Min	<u>10</u>	<u>Median</u>	<u>3Q</u>]	<u>Max</u>	
-4.32	-0.50	-0.040	0.51		4.19	
Random Effect	S					
<u>Groups</u>	<u>Name</u>	Variance	Std.Dev	Corr		
Participant	Intercept	0.027	0.163			
	PlanningTime_z	0.007	0.082	0.36		
	AnswerLength_z	0.012	0.108	0.45	19	
Residual 0.128 0.358						
Fixed Effects						
		Estimate	Std. Err	or	<u>t-value</u>	
Intercept		0.393	0.030		13.245	
PlanningTime_	_Z	-0.133	0.019		-7.089	
AnswerLength	_Z	0.153	0.022		7.035	
QuestionType[polar]	-0.087	0.013		-6.641	
QuestionOnset	_to_AnswerPoint_z	0.014	0.011		1.297	
FrequencyLog	_Z	0.006	0.013		0.508	
WordType[con	itent]	0.049	0.014		3.421	
Agreed[yes] 0.005 0.013 0.388						
Scripted[yes] 0.014 0.013 1.154						
PlanningTime_z:AnswerLength_z0.0150.0101.442						
PlanningTime_	_z:QuestionType[polar]	0.010	0.013		0.801	
<i>Note</i> . Number of observations = 1364; groups: Participant, 46						

Table S3. Model for behavioral data after removal of planning times shorter than 400 ms

7. Variability in ERPs



Figure S4. ERP difference waves for answer - control word per participant. Average ERP difference waves are displayed subtracting the ERPs for the control word from those for the answer word, for a representative electrode (see small head in bottom left). Every line displays averages for one participant.

8. ERP Models

Table S4. Model for ERP data for all 9 ROIs. Independent variable is the average voltage in a 400-800 ms window after critical (answer/control) word onset over all electrodes per ROI.

Output TFR model (Linear mixed model fit by maximum likelihood)					
Formula					
PowerLog ~ Co	ondition*Ant-Post*Left-Right +	- FrequencyLog_z -	+ WordType +		
QuestionOnset_	_to_Point_z + Agreed + Scripte	d + (Condition Pa	rticipant)		
Control (lmerC	ontrol(optimizer = "bobyqa"))	· · · · · ·	*		
AIC	BIC	logLik	deviance	df.resid	
174691.2	174908.8	-87318.6	174637.2	23319	
Scaled Residuals					
Min	<u>1Q</u>	<u>Median</u>	<u>3Q</u>	Max	
-9.06	-0.57	0.019	0.59	3.80	
Random Effects	8				
<u>Groups</u>	Name	Variance	Std.Dev	<u>Corr</u>	
Participant	(Intercept)	2.567	1.602		
	Condition	0.991	0.996	0.07	
Residual		102.921	10.145		
Fixed Effects					
		<u>Estimate</u>	Std. Error	<u>t-value</u>	
Intercept		-0.0904	0.2577	-0.3507	
Condition[answ	/er]	0.4042	0.1635	2.4714	
Ant-Post[ant]		-0.3175	0.0940	-3.378	
Ant-Post[mid]		0.1653	0.0939	1.7602	
Left-Right[left]		0.0799	0.0939	0.8511	
Left-Right[mid]		-0.1419	0.0939	-1.5106	
FrequencyLog_	_Z	-0.2693	0.0911	-2.9571	
WordType[con	tent]	0.2045	0.0940	2.1757	
QuestionOnset_	_to_Point_z	0.2965	0.0716	4.1415	
Agreed[yes]		0.4458	0.0849	5.2523	
Scripted[yes]		-0.3161	0.0795	-3.9759	
Condition[answ	ver]:Ant-Post[ant]	-0.3151	0.0940	-3.3537	
Condition[answ	ver]:Ant-Post[mid]	0.0533	0.0939	0.5674	
Condition[answ	ver]:Left-Right[left]	-0.1170	0.0939	-1.2460	
Condition[answ	ver]:Left-Right[mid]	0.1319	0.0939	1.4044	
Ant-Post[ant]:L	eft-Right[left]	-0.3286	0.1329	-2.4729	
Ant-Post[mid]:	Left-Right[left]	0.2156	0.1328	1.6231	
Ant-Post[ant]:Left-Right[mid]		0.1105	0.1329	0.8316	
Ant-Post[mid]:	Left-Right[mid]	-0.4207	0.1328	-3.1672	
Condition[answ	ver]:Ant-Post[ant]:Left-Right[le	eft] -0.0625	0.1329	-0.4700	
Condition[answer]:Ant-Post[mid]:Left-Right[left] 0.0128 0.1328 0.0965					
Condition [answ	ver]:Ant-Post[ant]:Left-Right[m	nid] -0.0522	0.1329	-0.3929	
Condition[answ	ver]:Ant-Post[mid]:Left-Right[n	nid] -0.0203	0.1328	-0.1530	
<i>Note</i> . Number of observations = 23346*; groups: Participant, 46					

Table S5. Model for ERP data for the Anterior ROIs. Independent variable is the average voltage in a 400-800 ms window after critical (answer/control) word onset in the electrodes over all electrodes per ROI (only including the 3 anterior ROIs).

Output ERP model (Linear mixed model fit by maximum likelihood)							
Formula							
Voltage ~ Con	dition + Frequency	Log_z + WordType	+ QuestionOnset_to_P	oint_z + Agreed			
+ Scripted +	- Left-Right + (Con	dition Participant)					
Control (lmer	Control (lmerControl(optimizer = "bobyqa"))						
AIC	<u>C BIC logLik deviance df.re</u>						
59179.5	59269.9	-29576.8	59153.5	7744			
Scaled Residu	als						
Min	<u>1Q</u>	Median	<u>3Q</u>	Max			
-4.90	-0.57	0.010	0.59	3.23			
Random Effec	ts						
<u>Groups</u>	Name	Variance	Std.Dev	Corr			
Participant	(Intercept)	3.021	1.738				
Condition		0.915	0.957	0.29			
Residual 118.335 10.878							
Fixed Effects							
		Estimate	Std. Error	t-value			
Intercept -0.3779 0.3196 -1.1830							
Condition[ans	wer]	0.0380	0.1939	0.1960			
FrequencyLog	<u>_</u> Z	-0.3733	0.1691	2.2070			
WordType[con	ntent]	0.1167	0.1745	0.6690			
QuestionOnset_to_Point_z		0.1630	0.1327	1.2290			
Agreed[yes]		0.4810	0.1574	3.0550			
Scripted[yes]		-0.3379	0.1479	-2.2850			
Left-Right[left]		-0.2510	0.1747	-1.4370			
Left-Right[mid] -0.0314 0.1746 -0.1800							
Note. Number	of observations $= 7$	757; groups: Partici	ipant, 46				

Table S6. Model for ERP data for the Mid ROIs. Independent variable is the average voltage in a 400-800 ms window after critical (answer/control) word onset in the electrodes over all electrodes per ROI (only including the 3 middle ROIs: LM, MM, RM, see Figure S1).

Output ERP model (Linear mixed model fit by maximum likelihood)							
Formula	Formula						
Voltage ~ Con	dition + Frequency	Log_z + WordType	+ QuestionOnset_to_P	oint_z + Agreed			
+ Scripted +	- Left-Right + (Con	dition Participant)					
Control (lmer	Control (lmerControl(optimizer = "bobyqa"))						
AIC	BIC	BIC logLik deviance df.resid					
58388.3	58478.8	-29181.2	58362.3	7764			
Scaled Residua	als						
Min	<u>10</u>	Median	<u>3Q</u>	Max			
-5.90	-0.58	0.014	0.57	3.71			
Random Effec	ts						
<u>Groups</u>	Name	Variance	Std.Dev	Corr			
Participant	(Intercept)	2.107	1.452				
Condition		0.913	0.956	0.11			
Residual 104.867 10.240							
Fixed Effects							
Estimate Std. Error t-value							
Intercept 0.0774 0.2793 0.2770							
Condition[ansy	wer]	0.4469	0.1885	2.3710			
FrequencyLog	Z	-0.3240	0.1587	-2.0410			
WordType[con	ntent]	0.1872	0.1639	1.1420			
QuestionOnset_to_Point_z		0.3493	0.1247	2.8020			
Agreed[yes]		0.4674	0.1481	3.1560			
Scripted[yes]		-0.3057	0.1387	-2.2030			
Left-Right[left]		0.2953	0.1642	1.7980			
Left-Right[mid] -0.5628 0.1642 -3.4270							
<i>Note</i> . Number of observations = 7777; groups: Participant, 46							

Table S7. Model for ERP data for the Posterior ROIs. Independent variable is the average voltage in a 400-800 ms window after critical (answer/control) word onset in the electrodes over all electrodes per ROI (only including the 3 posterior ROIs).

Output ERP model (Linear mixed model fit by maximum likelihood)							
Formula							
Voltage ~ Con	dition + Frequency	Log_z + WordType	+ QuestionOnset_to_P	oint_z + Agreed			
+ Scripted +	- Left-Right + (Con	dition Participant)					
Control (lmer	Control (lmerControl(optimizer = "bobyqa"))						
AIC	AIC BIC logLik deviance						
57075	57165.5	-28524.5	57049	7799			
Scaled Residu	als						
Min	<u>1Q</u>	Median	<u>3Q</u>	Max			
-9.70	-0.56	0.023	0.59	3.64			
Random Effec	ts						
<u>Groups</u>	Name	Variance	Std.Dev	Corr			
Participant	(Intercept)	3.153	1.776				
Condition		0.733	0.856	-0.15			
Residual 85.468 9.245							
Fixed Effects							
		Estimate	Std. Error	t-value			
Intercept 0.0200 0.3078 0.0650							
Condition[ans	wer]	0.7066	0.1693	4.1750			
FrequencyLog	<u>_</u> Z	-0.1099	0.1429	-0.7690			
WordType[content] 0.2893			0.1475	1.9620			
QuestionOnset_to_Point_z		0.3622	0.1127	3.2160			
Agreed[yes]		0.4119	0.1336	3.0830			
Scripted[yes]		-0.2952	0.1251	-2.3610			
Left-Right[left]		0.1917	0.1480	1.2950			
Left-Right[mi	Left-Right[mid] 0.1691 0.1479 1.1430						
<i>Note</i> . Number of observations = 7812; groups: Participant, 46							

9. TFR model

Table S8. Model for TFR data. Independent variable is the log of the average power in an 800-1000 ms window after critical (answer/control) word onset within a frequency range of 9-13 Hz over all electrodes per ROI.

Output TFR model (Linear mixed model fit by maximum likelihood)					
Formula					
PowerLog ~ Co	ndition*Ant-Post*Left-Right +	FrequencyLog_z	+ WordType +		
QuestionOnset_	to_Point_z + Agreed + Scripted	d + (Condition Pa	articipant)		
Control (lmerCo	ontrol(optimizer = "bobyqa"))				
AIC	BIC	<u>logLik</u>	<u>deviance</u>	df.resid	
39512.6	39723.2	-19729.3	39458.6	18018	
Scaled Residual	S				
Min	<u>1Q</u>	Median	<u>3Q</u>	Max	
-3.857	-0.682	-0.029	0.674	3.835	
Random Effects	3				
<u>Groups</u>	<u>Name</u>	Variance	Std.Dev	Corr	
Participant	(Intercept)	0.305	0.553		
	Condition	0.006	0.076	-0.09	
Residual		0.512	0.716		
Fixed Effects					
		<u>Estimate</u>	Std. Error	<u>t-value</u>	
Intercept		1.2030	0.0843	14.2760	
Condition[answ	ver]	-0.0082	0.0126	-0.6500	
Ant-Post[ant]		-0.2306	0.0075	-30.6620	
Ant-Post[mid]		-0.0264	0.0075	-3.5000	
Left-Right[left]		-0.0407	0.0075	-5.4000	
Left-Right[mid]		0.0357	0.0076	4.7220	
FrequencyLog_z		0.0266	0.0074	3.5800	
WordType[content]		0.0093	0.0160	0.5810	
QuestionOnset_to_Point_z		-0.0074	0.0058	-1.2890	
Agreed[yes]		0.0098	0.0068	1.4370	
Scripted[yes]		-0.0360	0.0063	-5.7040	
Condition[answ	er]:Ant-Post[ant]	0.0031	0.0075	0.4150	
Condition[answ	er]:Ant-Post[mid]	-0.0060	0.0075	-0.7990	
Condition[answ	er]:Left-Right[left]	-0.0027	0.0075	-0.3520	
Condition[answ	er]:Left-Right[mid]	0.0000	0.0076	0.0030	
Ant-Post[ant]:Left-Right[left]		0.0113	0.0106	1.0670	
Ant-Post[mid]:Left-Right[left]		0.0025	0.0106	0.2370	
Ant-Post[ant]:Left-Right[mid]		0.0059	0.0107	0.5560	
Ant-Post[mid]:Left-Right[mid]		-0.0097	0.0107	-0.9110	
Condition[answ	er]:Ant-Post[ant]:Left-Right[le	ft] -0.0020	0.0106	-0.1870	
Condition[answ	er]:Ant-Post[mid]:Left-Right[le	eft] 0.0022	0.0106	0.2100	
Condition[answ	er]:Ant-Post[ant]:Left-Right[m	id] 0.0082	0.0107	0.7690	
Condition[answ	er]:Ant-Post[mid]:Left-Right[n	nid] -0.0013	0.0107	-0.1250	

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Note. Number of observations = 18045*; groups: Participant, 46
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*The number of observations differs for the ERP and TFR models because not all trials contain data in the given time window (since trials were cut off before speech onset). Given that the time window for TFRs occurs later than that for ERPs, the former model contains fewer observations.