



Figure S1 Cortical maps of age-related distribution in individual participants. Lateral views of right (R) and left (L) hemispheres. (A) Cortical thickness maps (units: mm). (B) Fractal dimension maps (units: dimensionless). (C) Gyrification index maps (units: dimensionless).

Table S1 Main age effect of cortical thickness

Hemisphere	Overlap of atlas region	Cluster size (vertices)	Peak MNI coordinate			F value	P value (FWE)
			x	y	z		
Left	15% SFG; 8% PreCG; 8% PostCG; 8% SupraMG; 8% SPG; 7% rMFG; 6% PreCUN; 6% STG; 5% IPG; 4% cMFG; 3% LG; 3% pOPER; 3% ParaCG 3% LOG; 2% LFGor; 2% PCC; 2% pTRI; 2% INS; 1% FG; 1% PeriCAL; 1% CUN; 1% MTG; 1% TTG	102,403	-47	-18	-2	149.8	<0.001***
	72% MTG; 28% bSTS	1,017	-64	-41	-7	31.3	<0.001***
	90% Tpole; 5% MTG; 3% STG; 2% ITG	584	-28	14	-38	29.8	0.001**
Right	19% SFG; 8% SPG; 8% IPG; 7% rMFG; 7% PreCG; 7% PostCG; 7% SupraMG; 6% STG; 5% PreCUN; 4% MTG; 3% cMFG; 3% LOG; 3% ParaCG; 2% LG; 2% pOPER; 2% pTRI; 2% PCC; 1% FG; 1% LFGor; 1% bSTS; 1% INS; 1% CUN	104,156	45	-20	-2	111.3	<0.001***

** $P < 0.01$; *** $P < 0.001$. SFG, superior frontal gyrus; PreCG, precentral gyrus; PostCG, postcentral gyrus; SupraMG, supramarginal gyrus; SPG, superior parietal gyrus; rMFG, rostral middle frontal gyrus; PreCUN, precuneus; STG, superior temporal gyrus; IPG, inferior parietal gyrus; cMFG, caudal middle frontal gyrus; LG, lingual gyrus; pOPER, pars opercularis; ParaCG, paracentral gyrus; LOG, lateral occipital gyrus; LFGor, lateral orbitofrontal gyrus; PCC, posterior cingulate; pTRI, pars triangularis; INS, insula; FG, fusiform gyrus; PeriCAL, pericalcarine cortex; CUN, cuneus; MTG, middle temporal gyrus; TTG, transverse temporal gyrus; bSTS, banks of the superior temporal sulcus; Tpole, temporal pole; ITG, inferior temporal gyrus; MNI, Montreal Neurological Institute.

Table S2 Main age effect of the fractal dimension

Hemisphere	Overlap of atlas region	Cluster size (vertices)	Peak MNI coordinate			F value	P value (FWE)
			x	y	z		
Left	82% PCC; 18% PreCUN	1057	-3	-22	39	31.8	<0.001***
	100% INS	604	-35	8	3	46.5	<0.001***
	98% STG; 2% TTG	486	-54	-5	-2	30.6	<0.001***
	77% LFGor; 23% INS	239	-29	16	-24	24.2	0.007**
	100% rMFG	201	-35	51	16	25.2	0.005**
	84% MFGor; 16% RAC	192	-4	10	-8	23.5	0.009**
	100% pOPER	172	-45	11	24	25.7	0.004**
	100% SFG	139	-10	66	12	20.9	0.027*
Right	100% INS	858	36	4	5	50.2	<0.001***
	100% PreCUN	244	16	-63	30	25.9	0.003**

*, P<0.05; **, P<0.01; ***, P<0.001. PCC, posterior cingulate; PreCUN, precuneus; STG, superior temporal gyrus; TTG, transverse temporal gyrus; LFGor, lateral orbitofrontal gyrus; INS, insula; rMFG, rostral middle frontal gyrus; MFGor, rostral middle frontal gyrus; RAC, rostral anterior cingulate; pOPER, pars opercularis; SFG, superior frontal gyrus; MNI, Montreal Neurological Institute.

Table S3 Main sex effect of the fractal dimension

Hemisphere	Overlap of atlas region	Cluster size (vertices)	Peak MNI coordinate			F value	P value (FWE)
			x	y	z		
Right	61% FG; 39% LG	470	28	-66	-5	30.4	0.001**
	100% LG	210	5	-66	4	22.8	0.009**
	100% PreCUN	198	56	9	30	23.6	0.011*

*, P<0.05; **, P<0.01. FG, fusiform gyrus; LG, lingual gyrus; PreCUN, precuneus; MNI, Montreal Neurological Institute.

Table S4 Main age effect of the gyrification index

Hemisphere	Overlap of atlas region	Cluster size (vertices)	Peak MNI coordinate			F value	P value (FWE)
			x	y	z		
Left	56% INS; 17% STG; 9% SupraMG; 8% TTG; 6% pOPER; 2% PostCG; 2% pTRI	5,427	-33	-30	16	49.2	<0.001***
	100% IC	213	-5	-50	14	22.8	0.012*
Right	53% INS; 12% STG; 9% TTG; 9% PostCG; 6% pOPER; 6% SupraMG; 5% PreCG	4,266	42	-22	-2	66.6	<0.001***
	53% MFGor; 47% RAC	769	34	-21	46	39.7	0.001**

*, P<0.05; **, P<0.01; ***, P<0.001. INS, insula; STG, superior temporal gyrus; SupraMG, supramarginal gyrus; TTG, transverse temporal gyrus; pOPER, pars opercularis; PostCG, postcentral gyrus; pTRI, pars triangularis; IC, isthmus cingulate; PreCG, precentral gyrus; MFGor, rostral middle frontal gyrus; RAC, rostral anterior cingulate; MNI, Montreal Neurological Institute.

Table S5 Main sex effect of the gyrification index

Hemisphere	Overlap of atlas region	Cluster size (vertices)	Peak MNI coordinate			F value	P value (FWE)
			x	y	z		
Left	41% cMFG; 20% pOPER; 19% rMFG; 12% pTRI 5% pORB; 3% PreCG	6109	-55	18	20	40.1	<0.001***
	91% LOG; 5% SPG; 4% IPG	1420	-40	-81	7	30.5	<0.001***
	96% SFG; 3% RAC; 1% CAR	573	-11	37	22	36.7	<0.001***
	100% SPG	390	-17	-78	45	25.0	0.005**
Right	51% pOPER; 23% rMFG; 12% pTRI; 9% PreCG; 5% cMFG	2412	40	13	23	39.6	<0.001***
	52% SFG; 24% RAC; 13% MFGor; 11% CAR	2266	13	36	16	46.4	<0.001***
	62% cMFG; 38% rMFG	2041	32	13	52	38.4	<0.001***
	60% IPG; 27% LOG; 13% MTG	839	45	-66	6	30.6	<0.001***
	100% LOG	531	27	-93	17	34.3	<0.001***
	85% LFGor; 15% MFGor	454	12	36	-26	30.7	<0.001***
	92% PostCG; 8% PreCG	445	60	-11	11	25.6	0.004**
	100% rMFG	370	35	52	7	25.8	0.003**
	100% SupraMG	188	63	-41	23	23.6	0.018*
	100% SFG	147	22	12	60	23.3	0.010*
100% ITG	132	50	-46	-18	21.9	0.017*	

*, P<0.05; **, P<0.01; ***, P<0.001. cMFG, caudal middle frontal gyrus; pOPER, pars opercularis; rMFG, rostral middle frontal gyrus; pTRI, pars triangularis; pORB, pars orbitalis; PreCG, precentral gyrus; LOG, lateral occipital gyrus; SPG, superior parietal gyrus; IPG, inferior parietal gyrus; SFG, superior frontal gyrus; RAC, rostral anterior cingulate; CAR, caudal anterior cingulate; MFGor, rostral middle frontal gyrus; MTG, middle temporal gyrus; LFGor, lateral orbitofrontal gyrus; PostCG, postcentral gyrus; SupraMG, supramarginal gyrus; ITG, inferior temporal gyrus; MNI, Montreal Neurological Institute.