

CORRELATION COEFFICIENTS FOR ALL NUMERIC VARIABLES

The CORR Procedure

15 Variables:	age	height	weight	systolic_bp	diastolic_bp	chol_level	BMI
	blood_glucose	stress_lvl	sun_expo	pollution_expo	Cognitive_Function	bone_density	
	Vision_Sharpness	hearing_ability					

Simple Statistics						
Variable	N	Mean	Std Dev	Sum	Minimum	Maximum
age	3000	53.48567	20.56969	160457	18.00000	89.00000
height	3000	168.59083	9.29301	505773	141.13098	198.11222
weight	3000	72.53726	13.19073	217612	32.53767	123.59860
systolic_bp	2998	146.05937	15.92510	437886	101.00000	193.00000
diastolic_bp	3000	95.51700	10.20067	286551	1.00000	133.00000
chol_level	3000	234.02979	24.52144	702089	148.81151	331.30059
BMI	3000	25.55015	4.36732	76650	12.04990	43.32987
blood_glucose	3000	126.65391	18.22612	379962	69.86688	185.73614
stress_lvl	3000	5.47033	2.62159	16411	1.00000	10.00000
sun_expo	3000	5.94900	3.49378	17847	0	12.00000
pollution_expo	3000	5.02967	2.88471	15089	0	10.00000
Cognitive_Function	3000	63.86838	11.75574	191605	30.38210	106.47983
bone_density	3000	0.93190	0.44355	2796	-0.21979	1.99983
Vision_Sharpness	3000	0.47459	0.20973	1424	0.20000	1.06254
hearing_ability	3000	47.01621	14.33646	141049	0	94.00382

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Pearson Correlation Coefficients Prob > r under H0: Rho=0 Number of Observations						
	age	height	weight	systolic_bp	diastolic_bp	chol_level
age	1.00000 0.2658 3000	0.02032 0.2658 3000	0.00252 0.8902 3000	0.64589 <.0001 2998	0.60035 <.0001 3000	0.43237 <.0001 3000
height	0.02032 0.2658 3000	1.00000 0.2658 3000	0.39837 <.0001 3000	-0.01073 0.5572 2998	0.02236 0.2207 3000	-0.02723 0.1359 3000
weight	0.00252 0.8902 3000	0.39837 <.0001 3000	1.00000 0.8902 3000	-0.01473 0.4202 2998	0.00688 0.7066 3000	0.04186 0.0219 3000
systolic_bp	0.64589 <.0001 2998	-0.01073 0.5572 2998	-0.01473 0.4202 2998	1.00000 0.4202 2998	0.39508 <.0001 2998	0.26888 <.0001 2998
diastolic_bp	0.60035 <.0001 3000	0.02236 0.2207 3000	0.00688 0.7066 3000	0.39508 <.0001 2998	1.00000 0.7066 3000	0.25855 <.0001 3000
chol_level	0.43237 <.0001 3000	-0.02723 0.1359 3000	0.04186 0.0219 3000	0.26888 <.0001 2998	0.25855 <.0001 3000	1.00000 0.0219 3000
BMI	-0.00804 0.6597 3000	-0.22279 <.0001 3000	0.80015 <.0001 3000	-0.00293 0.8726 2998	-0.00566 0.7568 3000	0.06553 0.0003 3000
blood_glucose	0.42857 <.0001 3000	0.01199 0.5115 3000	0.01596 0.3822 3000	0.26607 <.0001 2998	0.24015 <.0001 3000	0.18959 <.0001 3000
stress_lvl	0.02695 0.1401 3000	-0.00381 0.8348 3000	0.01840 0.3137 3000	0.01336 0.4645 2998	0.02652 0.1465 3000	0.00141 0.9383 3000
sun_expo	0.01041 0.5688 3000	-0.00049 0.9785 3000	-0.01457 0.4249 3000	0.00802 0.6608 2998	0.03057 0.0941 3000	0.00935 0.6087 3000
pollution_expo	-0.01193 0.5138 3000	-0.03135 0.0860 3000	-0.03209 0.0788 3000	-0.00047 0.9794 2998	-0.02003 0.2726 3000	-0.00196 0.9147 3000
Cognitive_Function	-0.50806 <.0001 3000	0.01823 0.3182 3000	0.00622 0.7334 3000	-0.31582 <.0001 2998	-0.30633 <.0001 3000	-0.23020 <.0001 3000
bone_density	-0.93771 <.0001 3000	-0.02356 0.1971 3000	-0.00814 0.6558 3000	-0.60823 <.0001 2998	-0.55903 <.0001 3000	-0.40122 <.0001 3000

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	BMI	blood_glucose	stress_lvl	sun_expo	pollution_expo
age	-0.00804 0.6597 3000	0.42857 <.0001 3000	0.02695 0.1401 3000	0.01041 0.5688 3000	-0.01193 0.5138 3000
height	-0.22279 <.0001 3000	0.01199 0.5115 3000	-0.00381 0.8348 3000	-0.00049 0.9785 3000	-0.03135 0.0860 3000
weight	0.80015 <.0001 3000	0.01596 0.3822 3000	0.01840 0.3137 3000	-0.01457 0.4249 3000	-0.03209 0.0788 3000
systolic_bp	-0.00293 0.8726 2998	0.26607 <.0001 2998	0.01336 0.4645 2998	0.00802 0.6608 2998	-0.00047 0.9794 2998
diastolic_bp	-0.00566 0.7568 3000	0.24015 <.0001 3000	0.02652 0.1465 3000	0.03057 0.0941 3000	-0.02003 0.2726 3000
chol_level	0.06553 0.0003 3000	0.18959 <.0001 3000	0.00141 0.9383 3000	0.00935 0.6087 3000	-0.00196 0.9147 3000
BMI	1.00000 3000	0.01270 0.4868 3000	0.02154 0.2382 3000	-0.01467 0.4218 3000	-0.01024 0.5752 3000
blood_glucose	0.01270 0.4868 3000	1.00000 3000	-0.02162 0.2365 3000	0.02256 0.2167 3000	-0.00610 0.7382 3000
stress_lvl	0.02154 0.2382 3000	-0.02162 0.2365 3000	1.00000 3000	0.02097 0.2509 3000	0.02536 0.1650 3000
sun_expo	-0.01467 0.4218 3000	0.02256 0.2167 3000	0.02097 0.2509 3000	1.00000 3000	0.02586 0.1568 3000
pollution_expo	-0.01024 0.5752 3000	-0.00610 0.7382 3000	0.02536 0.1650 3000	0.02586 0.1568 3000	1.00000 3000
Cognitive_Function	-0.00655 0.7199 3000	-0.20905 <.0001 3000	-0.04015 0.0279 3000	-0.00275 0.8803 3000	-0.01072 0.5572 3000
bone_density	0.00384 0.8335 3000	-0.39301 <.0001 3000	-0.03167 0.0829 3000	-0.00550 0.7633 3000	0.01523 0.4044 3000

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Pearson Correlation Coefficients Prob > r under H0: Rho=0 Number of Observations				
	Cognitive_Function	bone_density	Vision_Sharpness	hearing_ability
age	-0.50806 <.0001 3000	-0.93771 <.0001 3000	-0.89969 <.0001 3000	0.71237 <.0001 3000
height	0.01823 0.3182 3000	-0.02356 0.1971 3000	-0.00927 0.6117 3000	0.00946 0.6045 3000
weight	0.00622 0.7334 3000	-0.00814 0.6558 3000	0.00044 0.9809 3000	0.00894 0.6244 3000
systolic_bp	-0.31582 <.0001 2998	-0.60823 <.0001 2998	-0.57686 <.0001 2998	0.45135 <.0001 2998
diastolic_bp	-0.30633 <.0001 3000	-0.55903 <.0001 3000	-0.53710 <.0001 3000	0.42718 <.0001 3000
chol_level	-0.23020 <.0001 3000	-0.40122 <.0001 3000	-0.38217 <.0001 3000	0.32847 <.0001 3000
BMI	-0.00655 0.7199 3000	0.00384 0.8335 3000	0.00368 0.8402 3000	0.00588 0.7476 3000
blood_glucose	-0.20905 <.0001 3000	-0.39301 <.0001 3000	-0.39691 <.0001 3000	0.31157 <.0001 3000
stress_lvl	-0.04015 0.0279 3000	-0.03167 0.0829 3000	-0.02074 0.2562 3000	0.02824 0.1220 3000
sun_expo	-0.00275 0.8803 3000	-0.00550 0.7633 3000	-0.01232 0.5000 3000	0.02155 0.2381 3000
pollution_expo	-0.01072 0.5572 3000	0.01523 0.4044 3000	0.00494 0.7868 3000	-0.01112 0.5427 3000
Cognitive_Function	1.00000 3000	0.47594 <.0001 3000	0.46607 <.0001 3000	-0.38493 <.0001 3000
bone_density	0.47594 <.0001 3000	1.00000 3000	0.84614 <.0001 3000	-0.66780 <.0001 3000

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Pearson Correlation Coefficients Prob > r under H0: Rho=0 Number of Observations						
	age	height	weight	systolic_bp	diastolic_bp	chol_level
Vision_Sharpness	-0.89969 <.0001 3000	-0.00927 0.6117 3000	0.00044 0.9809 3000	-0.57686 <.0001 2998	-0.53710 <.0001 3000	-0.38217 <.0001 3000
hearing_ability	0.71237 <.0001 3000	0.00946 0.6045 3000	0.00894 0.6244 3000	0.45135 <.0001 2998	0.42718 <.0001 3000	0.32847 <.0001 3000

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Pearson Correlation Coefficients Prob > r under H0: Rho=0 Number of Observations					
	BMI	blood_glucose	stress_lvl	sun_expo	pollution_expo
Vision_Sharpness	0.00368 0.8402 3000	-0.39691 <.0001 3000	-0.02074 0.2562 3000	-0.01232 0.5000 3000	0.00494 0.7868 3000
hearing_ability	0.00588 0.7476 3000	0.31157 <.0001 3000	0.02824 0.1220 3000	0.02155 0.2381 3000	-0.01112 0.5427 3000

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	Cognitive_Function	bone_density	Vision_Sharpness	hearing_ability
Vision_Sharpness	0.46607 <.0001 3000	0.84614 <.0001 3000	1.00000 3000	-0.63920 <.0001 3000
hearing_ability	-0.38493 <.0001 3000	-0.66780 <.0001 3000	-0.63920 <.0001 3000	1.00000 3000