

Corrleation coefficients of traffic-related metrics with measured black carbon concentration

Season	Traffic	50 meter	100 meter	150 meter	200 meter	250 meter	300 meter	average
Major Road density								
fall	low	0.30	0.37	0.40	0.40	0.41	0.40	0.38
fall	med	0.35	0.36	0.33	0.29	0.25	0.21	0.30
fall	high	0.37	0.37	0.33	0.28	0.25	0.21	0.30
spring	low	0.55	0.46	0.35	0.25	0.16	0.09	0.31
spring	med	0.17	0.10	-0.03	-0.11	-0.18	-0.25	-0.05
spring	high	0.16	0.12	0.03	-0.03	-0.08	-0.13	0.01
Traffic density								
fall	low	0.27	0.36	0.39	0.40	0.41	0.40	0.37
fall	med	0.24	0.26	0.22	0.17	0.13	0.10	0.19
fall	high	0.30	0.29	0.25	0.20	0.16	0.13	0.22
spring	low	0.59	0.49	0.36	0.24	0.14	0.07	0.31
spring	med	0.11	0.04	-0.10	-0.21	-0.28	-0.33	-0.13
spring	high	0.12	0.09	-0.02	-0.08	-0.14	-0.18	-0.04
H traffic density								
fall	low	0.38	0.50	0.57	0.62	0.65	0.66	0.56
fall	med	0.42	0.47	0.47	0.46	0.45	0.43	0.45
fall	high	0.51	0.55	0.54	0.53	0.51	0.49	0.52
spring	low	0.61	0.57	0.50	0.43	0.36	0.31	0.46
spring	med	0.15	0.12	0.04	-0.04	-0.10	-0.16	0.00
spring	high	0.07	0.06	0.01	-0.03	-0.07	-0.11	-0.01