

Table S1. Scope of application of the Indoor Air Quality Control Act.

Public-use facility	Application
Underground station	All (exit, waiting room, platform and transfer passage)
Underground shopping mall	Total floor area $\geq 2000 \text{ m}^2$
Railway station waiting room	Total floor area $\geq 2000 \text{ m}^2$
Bus terminal waiting room	Total floor area $\geq 2000 \text{ m}^2$
Port facility waiting room	Total floor area $\geq 5000 \text{ m}^2$
Airport facilities passenger terminal	Total floor area $\geq 1500 \text{ m}^2$
Library	Total floor area $\geq 3000 \text{ m}^2$
Museums and art galleries	Total floor area $\geq 3000 \text{ m}^2$
Medical institution	Total floor area $\geq 2000 \text{ m}^2$ or number of beds ≥ 100
Postpartum care center	Total floor area $\geq 500 \text{ m}^2$
Elderly care facilities	Total floor area $\geq 1000 \text{ m}^2$
Daycare center (public, corporation, private)	Total floor area $\geq 430 \text{ m}^2$
Mart	All
Funeral hall	Total floor area $\geq 1000 \text{ m}^2$ (only underground)
Movie theater	All (only indoor)
Private academy	Total floor area $\geq 1000 \text{ m}^2$
Exhibition facility	Total floor area $\geq 2000 \text{ m}^2$ (only indoor)
PC room	Total floor area $\geq 300 \text{ m}^2$
Parking garage	Total floor area $\geq 2000 \text{ m}^2$ (exclude mechanical parking garage)
Business facilities*	Total floor area $\geq 3000 \text{ m}^2$
Indoor concert hall	Number of seats ≥ 1000
Sports facility	Number of audience seats ≥ 1000

Bath facility	Total floor area $\geq 1000 \text{ m}^2$
Apartments, row houses, dormitories	Over 100 households

* Public services and general business facilities.

Table S2. Space volume and number of passengers by facility.

Site	Floor area(m²)	High(m)	Space volume(m³)	Passengers per hour
Station (building #1)	5526.3	8.5	46973.6	1294 ± 189
Station (building #2)	2744	4.5	12348	194 ± 71
Mart (building #1)	9790.1	8.0	78320.8	649 ± 261
Mart (building #2)	1700.7	5.0	8503.5	421 ± 37
Parking garage (building #1)	3475	3.9	13552.5	10 ± 2
Parking garage (building #2)	1515	3.0	4545	9 ± 3
Library (building #1)	965.9	2.7	2607.9	37 ± 8
Library (building #2)	1514	2.6	3936	33 ± 7
Daycare center (building #1)	26.9	2.6	69.9	24 ± 4*
Daycare center (building #2)	44.2	2.6	114.9	13 ± 1*

* Set the total number of people only to the number of users in the space because the users have used it repeatedly.

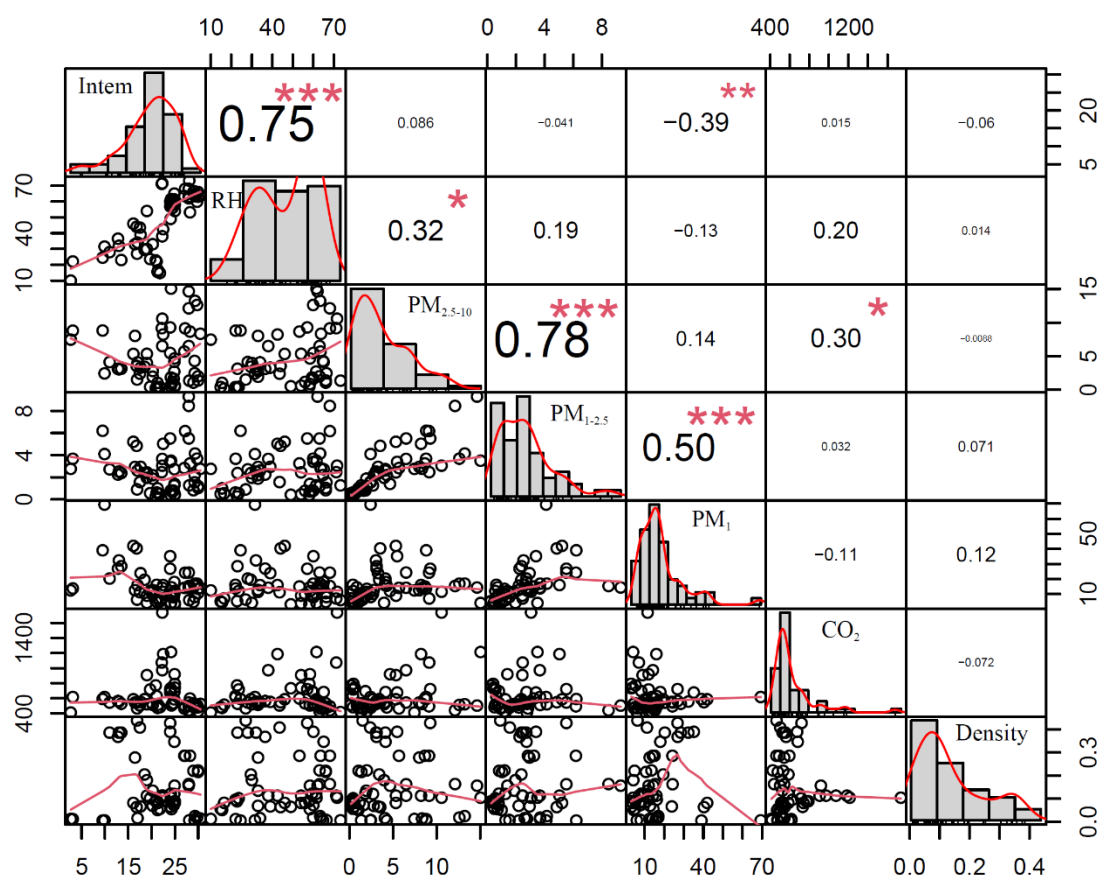


Figure S2. Correlation analysis between environmental factors investigated.

Intem = Indoor temperature; PM_{2.5-10} = PM₁₀ minus PM_{2.5}; PM_{1-2.5} = PM_{2.5} minus PM₁