

Appendix 1. Correlation table between indoor climatic factors, indoor environmental factors and outdoor PM10 and UFP

Table 8: Kendal's tau correlation within and between indoor climatic factors, indoor environmental factors and outdoor climatic factors, during measuring period in Reykjavik, Iceland.

		Indoor Climatic Factors					Indoor Environmental Factors					Outdoor Climatic Factors	
Kendall's tau-b		PM ₁₀	UFP	CO ₂	Temp (°C)	RH%	ShelfFactor	Fleecefactor	pers.perm3	air supply	exrate	PM10	UFP
PM10	Correlation Coefficient	1,000	,063	,433**	-,048	,414**	-,025	,124	,316**	-,417**	-,163	,029	-,161
	Sig. (2-tailed)	.	,452	,000	,575	,000	,764	,166	,000	,000	,056	,732	,078
	N	74	67	65	65	66	70	70	70	65	65	70	60
UFP	Correlation Coefficient	,063	1,000	,014	,141	-,121	-,003	-,103	,073	,086	,116	-,024	,004
	Sig. (2-tailed)	,452	.	,870	,110	,157	,970	,256	,380	,331	,183	,782	,968
	N	74	68	62	62	64	68	68	68	62	62	68	58
CO ₂	Correlation Coefficient	,433**	,014	1,000	-,016	,486**	-,019	,025	,328**	-,756**	-,459**	,075	-,145
	Sig. (2-tailed)	,000	,870	.	,856	,000	,829	,792	,000	,000	,000	,396	,122
	N	74	62	65	65	65	65	65	65	64	64	65	57
Temp	Correlation Coefficient	-,048	,141	-,016	1,000	-,154	-,059	,202*	,067	,044	,065	-,011	-,066
	Sig. (2-tailed)	,575	,110	,856	.	,074	,495	,032	,434	,617	,454	,900	,485
	N	65	62	65	65	65	65	65	65	64	64	65	57
RH	Correlation Coefficient	,414**	-,121	,486**	-,154	1,000	-,084	,138	,196	-,551**	-,387**	-,039	-,224*
	Sig. (2-tailed)	,000	,157	,000	,074	.	,318	,131	,019	,000	,000	,651	,015
	N	74	64	65	65	67	67	67	67	65	65	67	59
ShelfFactor	Correlation Coefficient	-,025	-,003	-,019	-,059	-,084	1,000	-,108	,005	,024	,038	-,006	,215*
	Sig. (2-tailed)	,764	,970	,829	,495	,318	.	,217	,953	,785	,662	,940	,016
	N	70	68	65	65	67	74	74	72	65	65	74	64
Fleecefactor	Correlation Coefficient	,124	-,103	,025	,202*	,138	-,108	1,000	,035	-,014	,070	-,201*	-,018
	Sig. (2-tailed)	,166	,256	,792	,032	,131	,217	.	,688	,884	,454	,025	,852
	N	70	68	65	65	67	74	74	72	65	65	74	64
pers.perm3	Correlation Coefficient	,316**	,073	,328**	,067	,196*	,005	,035	1,000	-,276**	,150	-,054	-,062
	Sig. (2-tailed)	,000	,380	,000	,434	,019	,953	,688	.	,001	,077	,515	,491
	N	70	68	65	65	67	72	72	72	65	65	72	62
Oairsupply	Correlation Coefficient	-,417**	,086	-,756**	,044	-,551**	,024	-,014	-,276**	1,000	,585**	-,108	,181
	Sig. (2-tailed)	,000	,331	,000	,617	,000	,785	,884	,001	.	,000	,224	,055
	N	65	62	64	64	65	65	65	65	66	65	66	58
exrate	Correlation Coefficient	-,163	,116	-,459**	,065	-,387**	,038	,070	,150	,585**	1,000	-,098	,167
	Sig. (2-tailed)	,056	,183	,000	,454	,000	,662	,454	,077	,000	.	,266	,076
	N	65	62	64	64	65	65	65	65	65	65	65	57
OPM10	Correlation Coefficient	,029	-,024	,075	,011	-,039	-,006	,201*	-,054	-,108	-,098	1,000	,141
	Sig. (2-tailed)	,732	,782	,396	,900	,651	,940	,025	,515	,224	,266	.	,091
	N	70	68	65	65	67	74	74	72	66	65	90	77
OUFP	Correlation Coefficient	-,161	,004	-,145	-,066	-,224*	,215*	-,018	-,062	,181	,167	,141	1,000
	Sig. (2-tailed)	,078	,968	,122	,485	,015	,016	,852	,491	,055	,076	,091	.
	N	60	58	57	57	59	64	64	62	58	57	15	15

**. Correlation is significant at the 0.01 level (2-tailed).

*. Correlation is significant at the 0.05 level (2-tailed).

Appendix 2. Reykjavik City Area- Distribution of Participating Schools



