

## The impact of traffic and meteorology on urban particle mass and particle number concentrations: student-led studies using mobile measurements before, during, and after the COVID-19 pandemic lockdowns

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**Table S2** | results of relaimpo analysis

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	PN_median	PN_90percentile	PM1_median	PM1_90percentile	PM2.5_median	PM2.5_90percentile	PM10_median	PM10_90percentile
<b>variance explained</b>	65.07%	66.82%	66.69%	64.30%	64.02%	63.54%	64.10%	78.72%
<b>day_of_week</b>	8.6%	6.4%	12.7%	12.7%	15.0%	15.5%	16.4%	25.5%
<b>route</b>	1.8%	16.7%	0.1%	0.2%	0.3%	0.5%	0.7%	0.6%
<b>day_of_year</b>	2.6%	2.0%	3.7%	4.3%	3.7%	5.2%	0.8%	4.6%
<b>Temperature</b>	1.8%	1.2%	3.5%	3.5%	4.8%	4.2%	5.7%	2.1%
<b>Relativ_Humidity</b>	11.2%	9.2%	4.4%	4.8%	4.5%	5.0%	5.7%	6.0%
<b>Wind_Speed</b>	1.1%	0.8%	2.1%	1.8%	1.5%	1.4%	1.4%	5.1%
<b>Wind_Direction</b>	7.7%	3.8%	9.7%	9.8%	9.5%	9.2%	6.7%	2.8%
<b>Shortwave_Radiation</b>	5.0%	4.0%	1.3%	1.4%	1.2%	1.7%	1.4%	3.7%
<b>Precipitation_cumulative</b>	0.2%	0.2%	0.4%	0.3%	0.2%	0.2%	0.2%	5.8%
<b>stability</b>	2.1%	1.5%	2.1%	2.1%	2.5%	2.7%	0.8%	0.5%
<b>mean_MSGE_O3</b>	5.5%	4.6%	4.5%	4.0%	3.6%	3.4%	2.7%	1.7%
<b>traffic_density</b>	1.0%	1.6%	5.1%	4.8%	3.5%	2.8%	6.0%	3.1%
<b>mean_MSGE_NO</b>	5.0%	4.9%	1.9%	1.8%	2.5%	2.3%	1.5%	3.5%
<b>mean_VMS2_NO</b>	3.2%	2.3%	4.5%	4.0%	3.2%	2.6%	3.8%	1.2%
<b>mean_MSGE_NO2</b>	2.7%	2.6%	2.5%	2.7%	2.2%	2.5%	1.8%	2.2%
<b>mean_VMS2_NO2</b>	1.7%	2.2%	2.4%	2.2%	2.0%	1.8%	3.4%	2.2%
<b>summe_mean_VMS2_Nox</b>	4.9%	4.5%	6.9%	6.2%	5.2%	4.4%	7.2%	3.4%
<b>summe_mean_MSGE_NOx</b>	7.7%	7.5%	4.5%	4.6%	4.7%	4.8%	3.2%	5.6%
<b>mean_VMS2_PM10</b>	3.1%	1.6%	4.5%	3.0%	2.3%	1.2%	3.1%	1.6%
<b>mean_MSGE_PM10</b>	0.8%	1.2%	1.1%	0.8%	1.6%	1.4%	2.0%	6.7%