**Table 1.** Estimates of spatial and temporal correlation coefficients (αs and αt) $ $and variance ratios (γs and γt).

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| --- | --- | --- | --- | --- | --- | --- |
| Pollutant | Site-type | Method | $$α\_{s}$$ | $$γ\_{s}$$ | $$α\_{t}$$ | $$γ\_{t}$$ |
| PM10 | Urban / Suburban background | LUR | 0.134 | 1.177 | 0.711 | 0.370 |
| Dispersion | 0.386 | 0.613 | 0.954 | 0.968 |
| Hybrid 1 | 0.212 | 1.063 | 0.949 | 0.846 |
| Hybrid 2 | 0.367 | 0.514 | 0.953 | 0.793 |
| Roadside / kerbside | LUR | 0.136 | 1.674 | 0.753 | 0.532 |
| Dispersion | 0.693 | 1.021 | 0.976 | 1.071 |
| Hybrid 1 | 0.330 | 1.518 | 0.956 | 1.041 |
| Hybrid 2 | 0.688 | 0.847 | 0.963 | 0.877 |
| PM2.5 | Urban / Suburban background | LUR | 0.415 | 1.167 | 0.773 | 0.438 |
| Dispersion | 0.422 | 0.883 | 0.953 | 1.423 |
| Machine Learning | 0.305 | 0.418 | 0.950 | 1.103 |
| Hybrid 1 | 0.335 | 1.121 | 0.954 | 0.855 |
| Hybrid 2 | 0.414 | 0.538 | 0.952 | 0.904 |
| Hybrid 3 | 0.465 | 0.381 | 0.964 | 0.973 |
|  | Roadside / kerbside | LUR | 0.194 | 1.061 | 0.785 | 0.555 |
| Dispersion | 0.560 | 1.179 | 0.950 | 1.281 |
| Machine Learning | 0.384 | 0.579 | 0.971 | 0.995 |
| Hybrid 1 | 0.359 | 1.197 | 0.947 | 0.965 |
| Hybrid 2 | 0.548 | 0.754 | 0.950 | 0.824 |
| Hybrid 3 | 0.539 | 0.500 | 0.977 | 0.886 |