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| Supplementary Table 1. Spatial interpolation methods and their corresponding cross-validation error | | | | |
| Interpolator | Type | Parameterization | RMSEa | MEb |
| Inverse Distance Weighted (IDW) | Deterministic | power=2, neighbor=15 | 0.19 | -0.0023 |
| Radial Basis (Spline with Tension) | Deterministic | kernel=2035, neighbors=15 | 0.20 | -0.0052 |
| Local Polynomial | Deterministic | order=1,exponential | 0.11 | 0.0040 |
| Kriging | Geostatistical | model=gaussian, nugget=0, range=15, sill = 0.7 | 0.11 | -0.0035 |

aRMSE = Root mean square error

bME = Mean error