***Table S5*: Five-fold cross-validation of the final models for overall pseudo-panel datasets**

|  |  |  |
| --- | --- | --- |
|  | **Overall GZ Set** | **Overall CD Set** |
| RMSE1 | 1.0109 | 0.6282 |
| RMSE2 | 0.8635 | 0.5398 |
| RMSE3 | 1.0305 | 0.6885 |
| RMSE4 | 0.9045 | 0.5328 |
| RMSE5 | 1.0134 | 0.5433 |
| AverageRMSE(cross-validation) a | 0.9669 | 0.5898 |
| RMSE(full sample) | 0.9642 | 0.5753 |
| ∆RMSE b | 0.0027 | 0.0145 |
| % change in RMSE c | 0.2800 | 2.5204 |

aAverageRMSE(cross-validation) **=** SQRT((RMSE12 + RMSE22 + … + RMSE52)/5)

b∆RMSE = Average RMSE(cross-validation) - RMSE(full sample)

c% change in RMSE **=** ∆RMSE×100/ RMSE(full sample)