

Additional file 9. 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
Δ RMSE ^b	0.0027	0.0145
% change in RMSE ^c	0.2800	2.5204

^aAverageRMSE_(cross-validation) = $\text{SQRT}((\text{RMSE}_1^2 + \text{RMSE}_2^2 + \dots + \text{RMSE}_5^2)/5)$

^b Δ RMSE = Average RMSE_(cross-validation) - RMSE_(full sample)

^c% change in RMSE = Δ RMSE \times 100 / RMSE_(full sample)