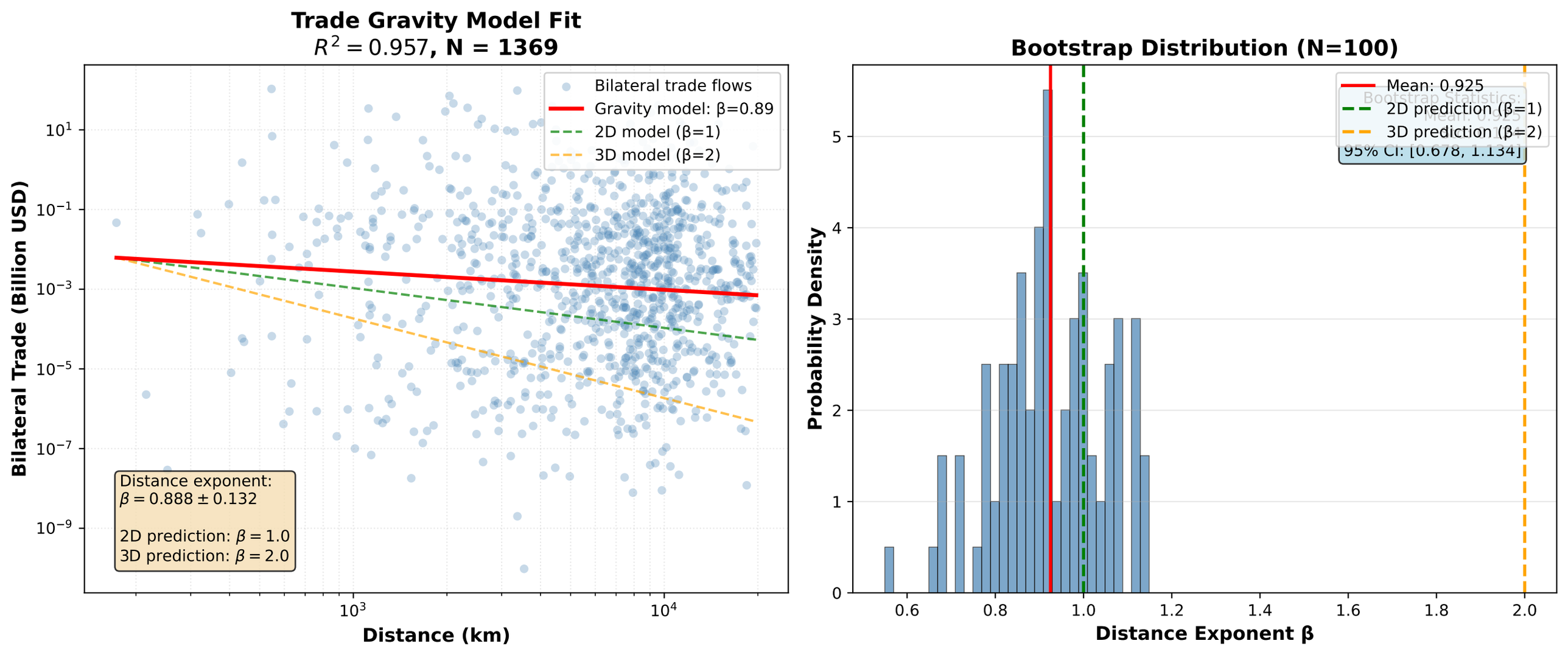
Trade Gravity Model Fit
$R^2 = 0.957$, N = 1369
Bilateral trade flows
Gravity model: β=0.89
2D model (β=1)
3D model (β=2)
Distance exponent:
$\beta = 0.888 \pm 0.132$
2D prediction: $\beta = 1.0$
3D prediction: $\beta = 2.0$
Bilateral Trade (Billion USD)
Distance (km)
Bootstrap Distribution (N=100)
Mean: 0.925
2D prediction (β=1)
3D prediction (β=2)
95% CI: [0.678, 1.134]
Probability Density
Distance Exponent β