**Supplementary Materials**

Supplementary Data 1: Results of Gini analyses by G-LiHT tile

Supplementary Data 2: Correlation coefficients for Figure 8

Supplementary Data 3: P-values for Figure 8

Supplementary Data 4: Correlation coefficients for Figure 9

Supplementary Data 5: P-values for Figure 9

Supplementary Data 6: Correlation coefficients and p-values for Figures 10 and 11