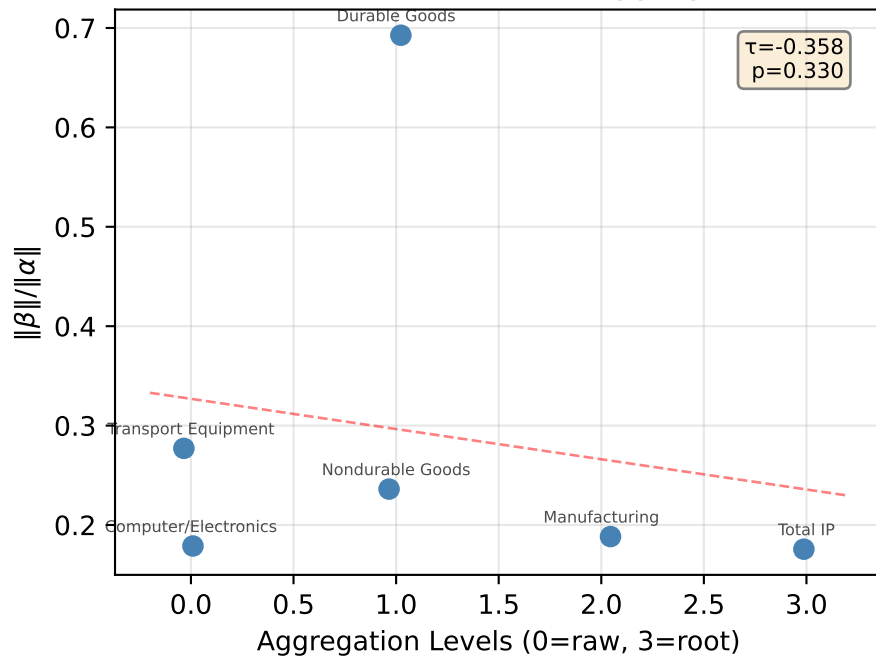
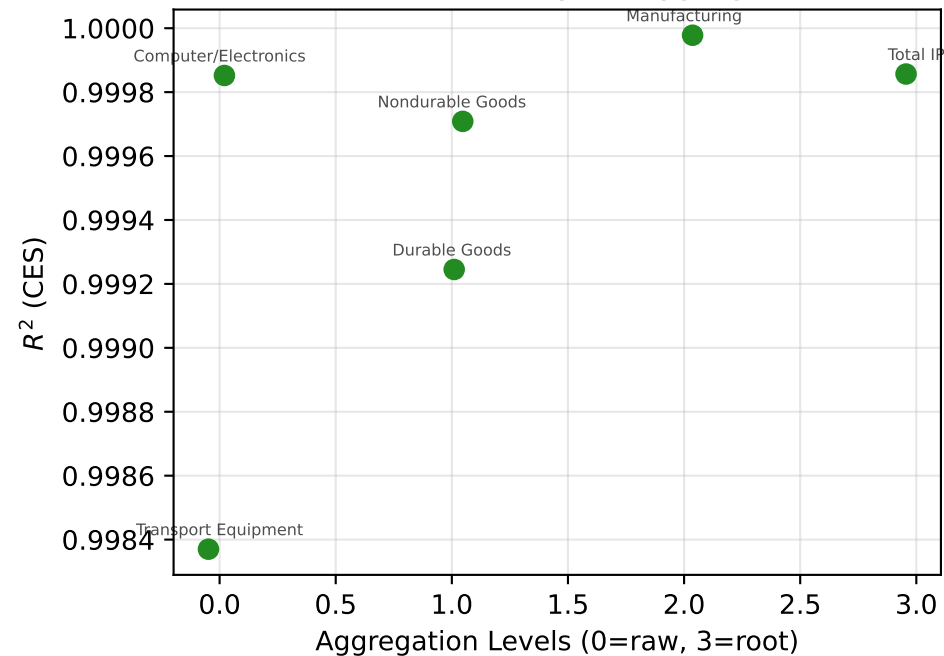


# CES Emergence Under Aggregation: FRED IP Hierarchy

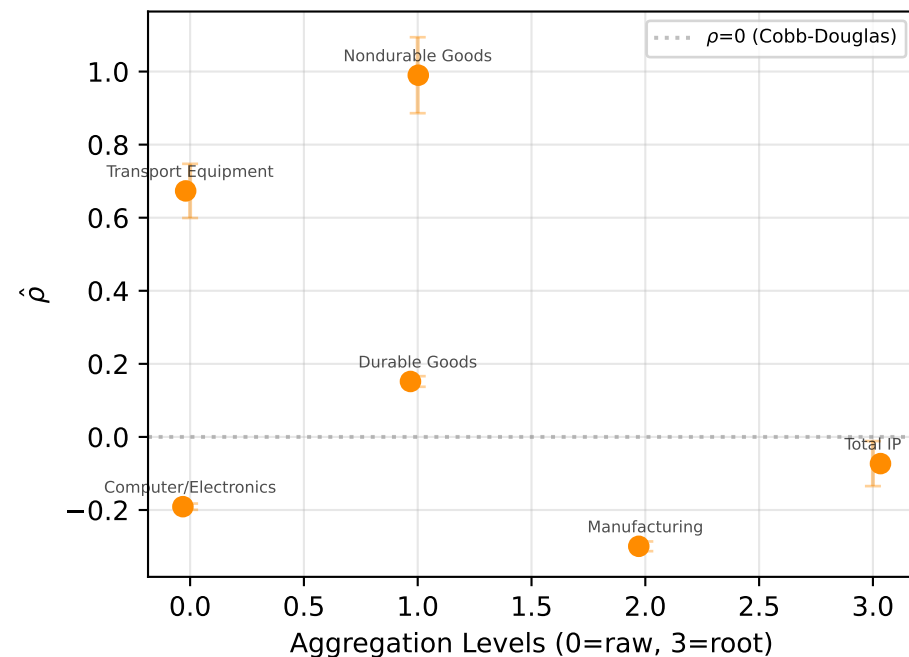
(a) Interaction Ratio vs Aggregation



(b) CES Fit Quality vs Aggregation



(c) Estimated  $\rho$  vs Aggregation



(d) Normalized  $\Delta BIC$  vs Aggregation

