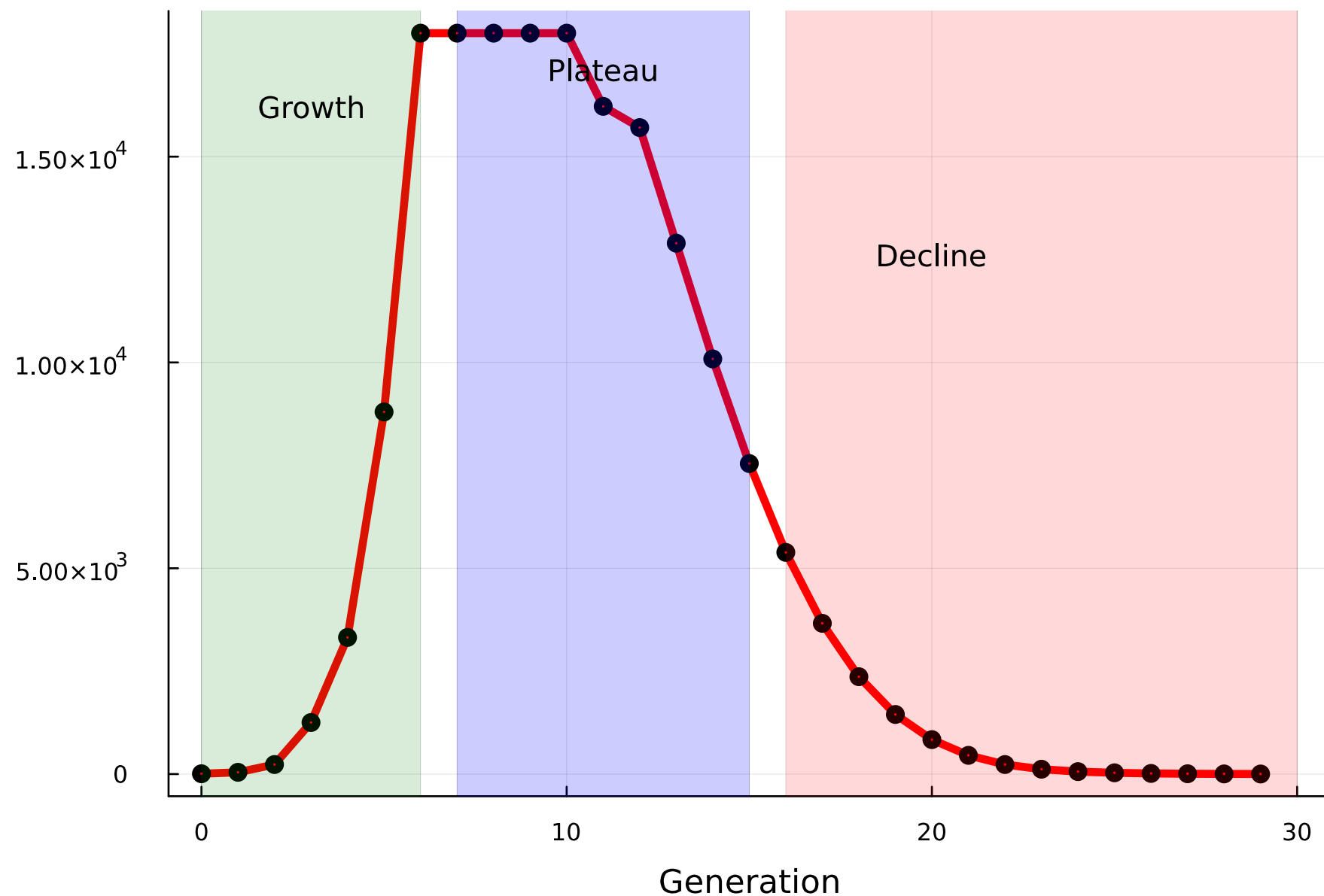
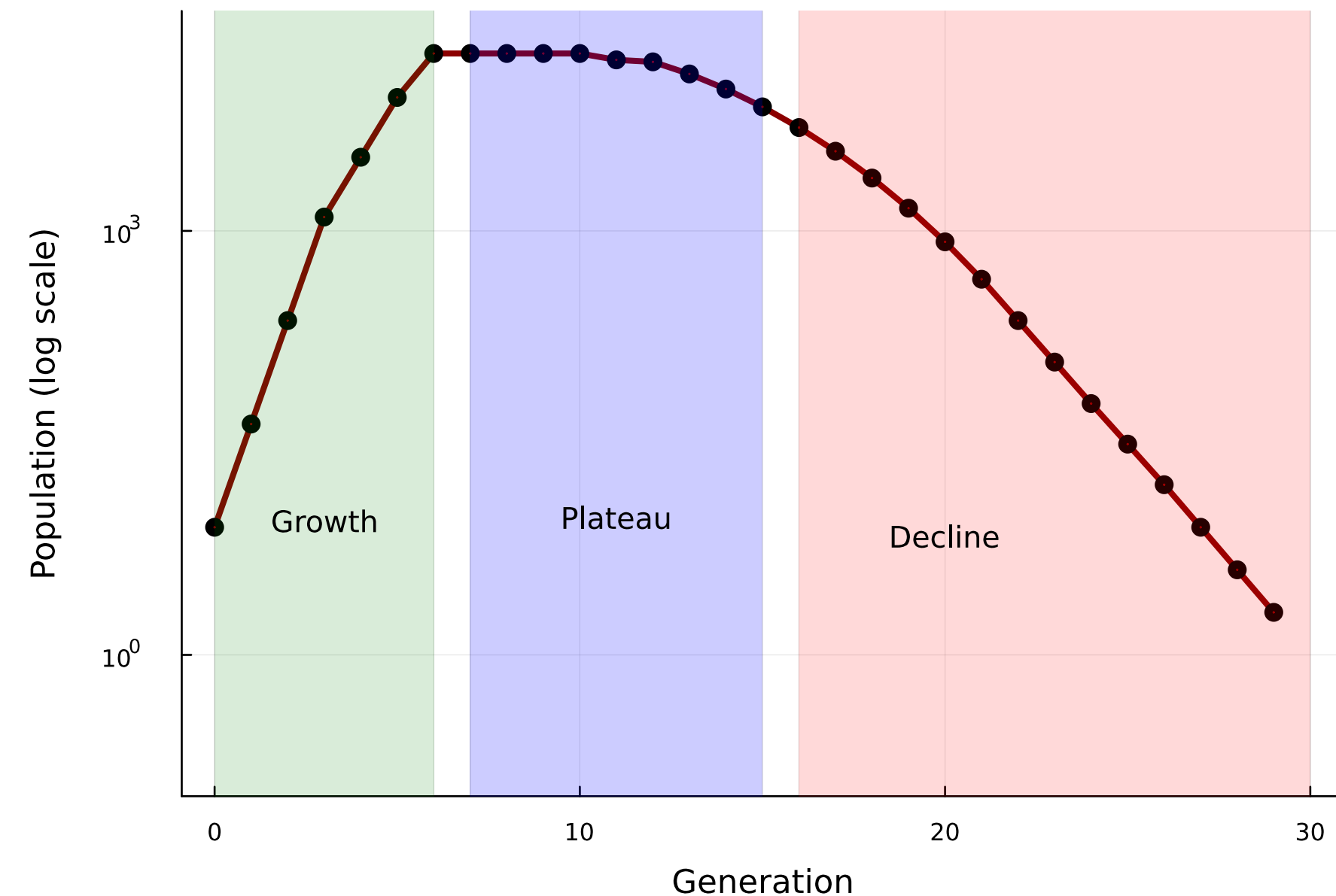


# Hierarchy Uncertainty Parameterized Game Matrix

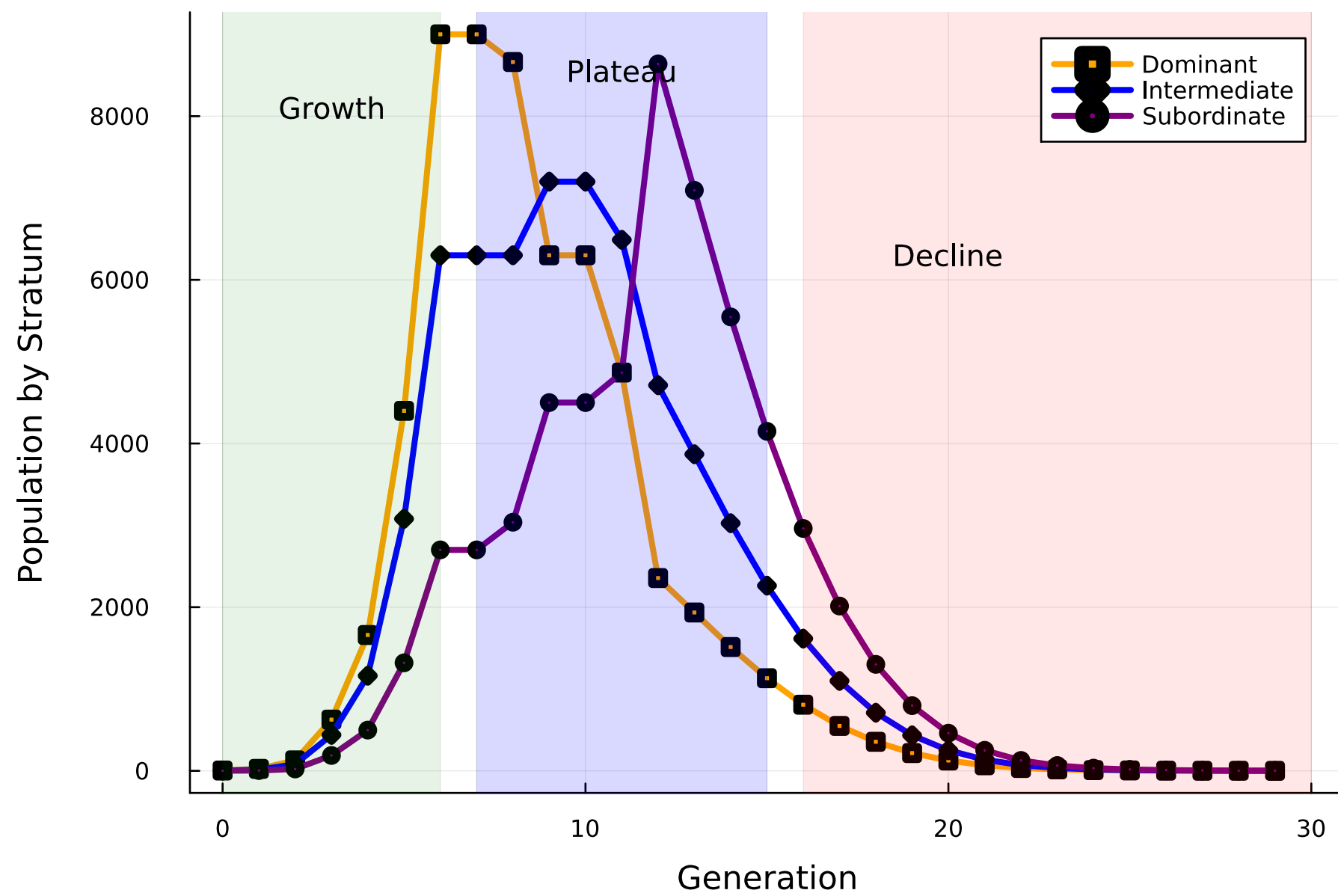
## Population with Phase Transitions



## Population (Semi-Log Scale)



## Social Stratification



## Uncertainty and Engagement Evolution

