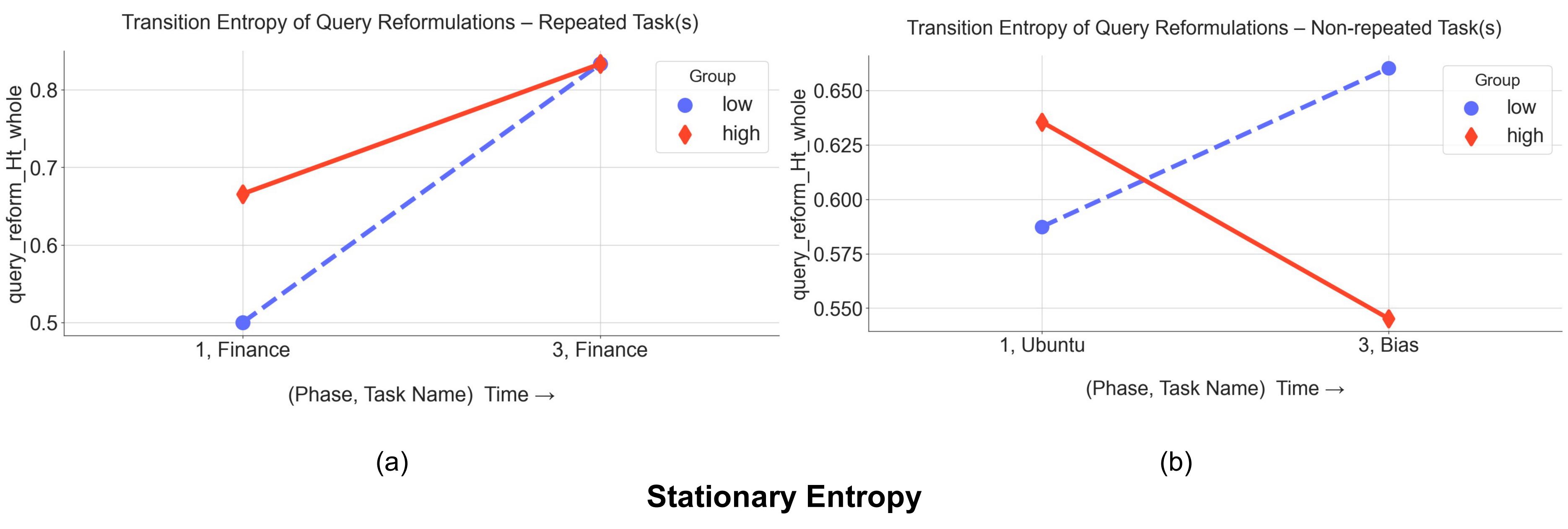# Entropy of Query Reformulation Types (QRTs) – Repeated vs Non-repeated Tasks

Transition Entropy
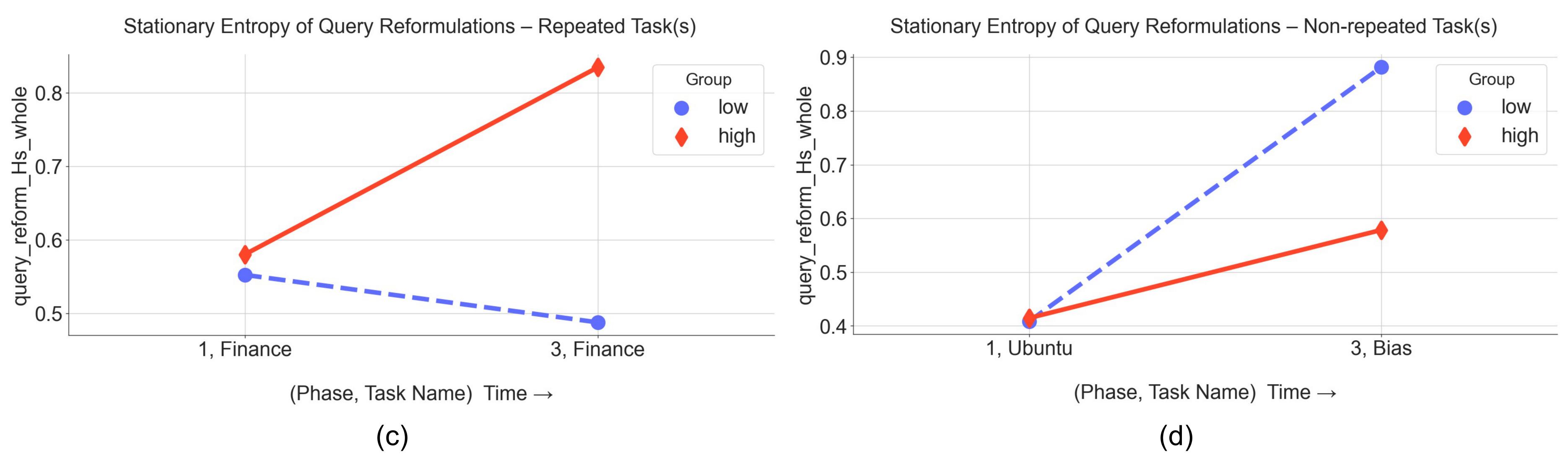
Higher = more randomness in transitions between different QRTs

Lower = transitions between QRTs are highly predictable

(a)

(b)

Stationary Entropy

Higher = all QRTs are used uniformly

Lower = some QRTs are preferred over others

(c)

(d)

Repeated Tasks: Personal Finance   **Non-repeated task: Ubuntu Ethics, Algorithmic Bias**