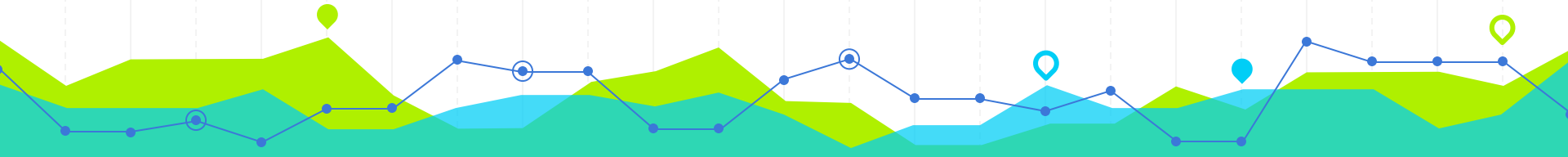


Presentation Plan

Lisa Knuckey

Measuring Fitness of Evolving Networks (6.3)

- Fitness and growth potential
- Bianconi-Barabási model for individual node fitness
- Fitness distribution, bounds, variance
- Magnification of fitness differences



Genes and popularity: Evidence of an evocative gene-environment correlation

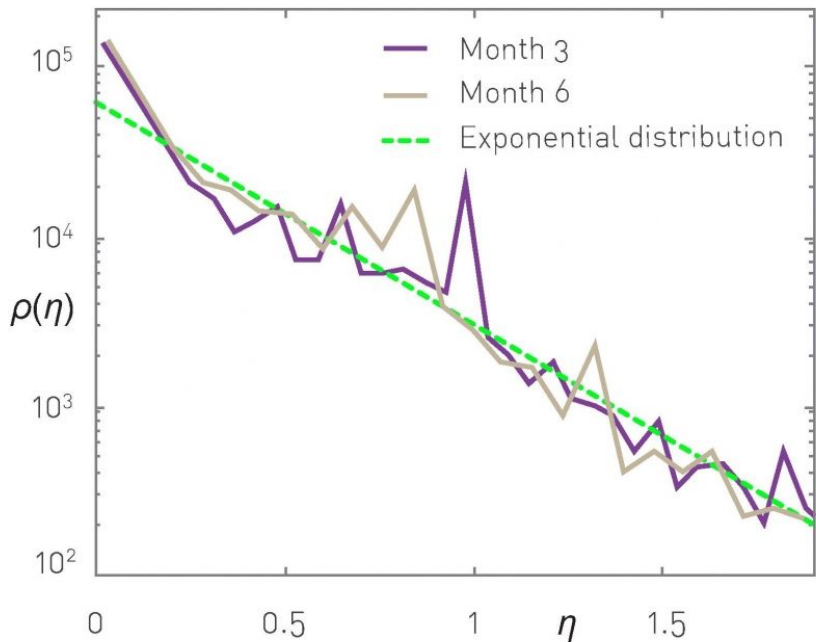
Are particular social experiences evoked by one's genotype?

- Gene-environment correlation
- Genetics + social psychology
- Genetic traits and popularity

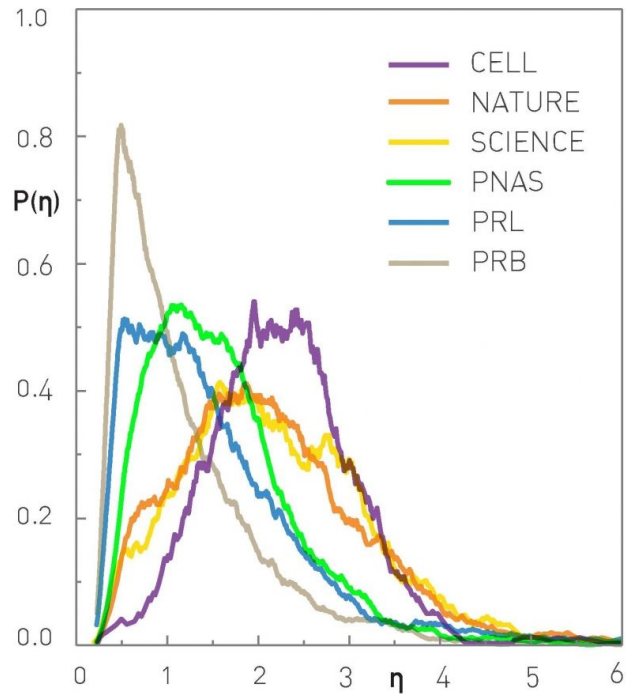


Experience versus talent shapes the structure of the Web

- Growth and preferential attachment
- Limited variance
- Amplified fitness differences



Growth and Popularity in Scientific Citation



- Few papers dominate citation
- Quantifying long-term impact
- Growth rate over time