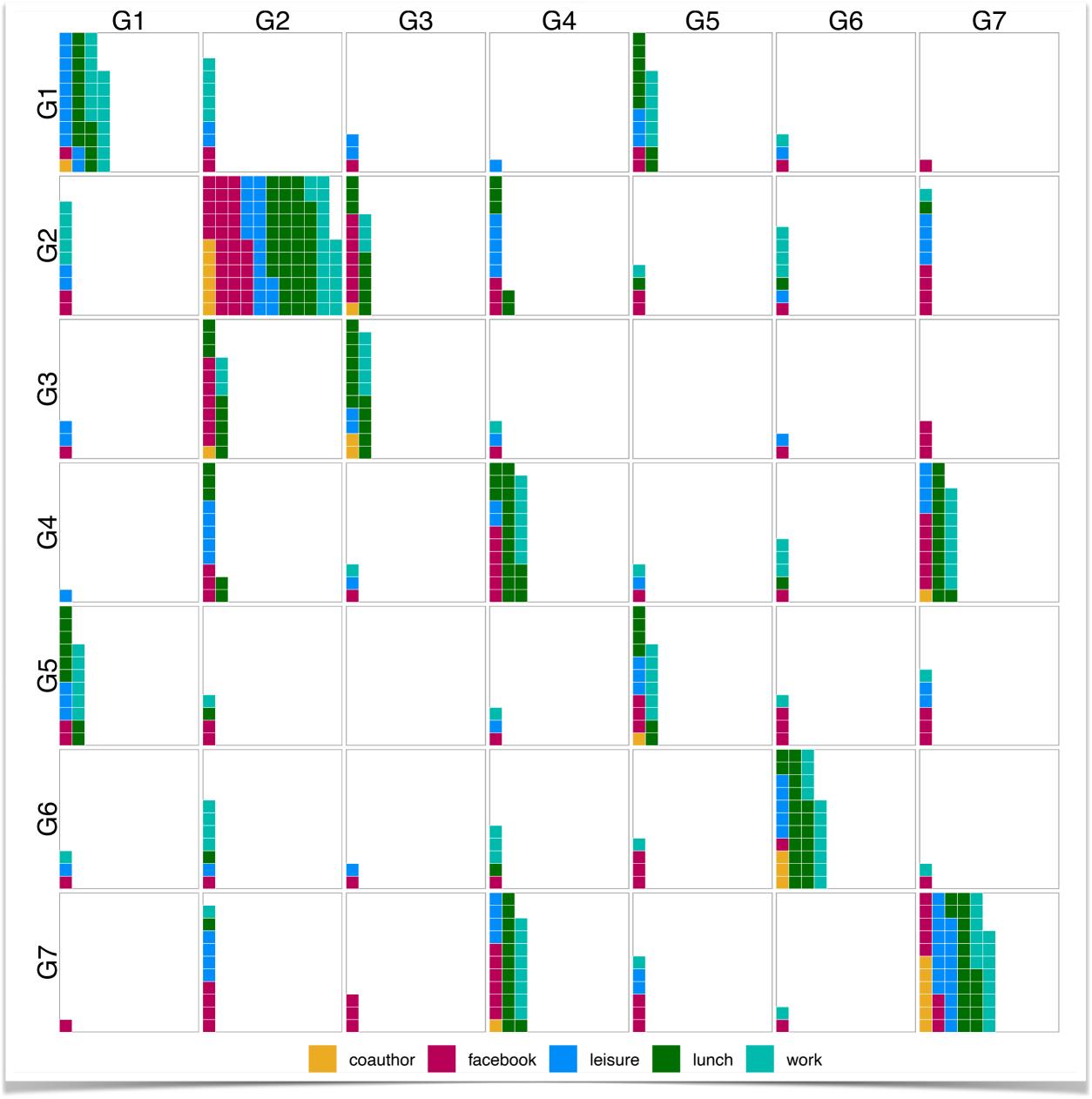
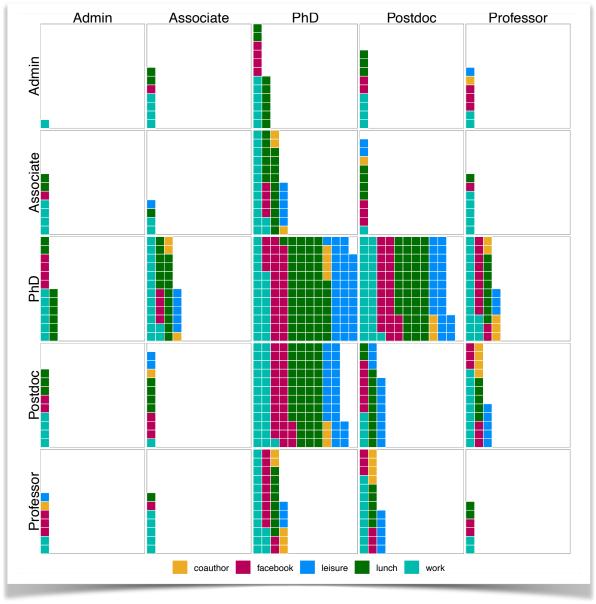
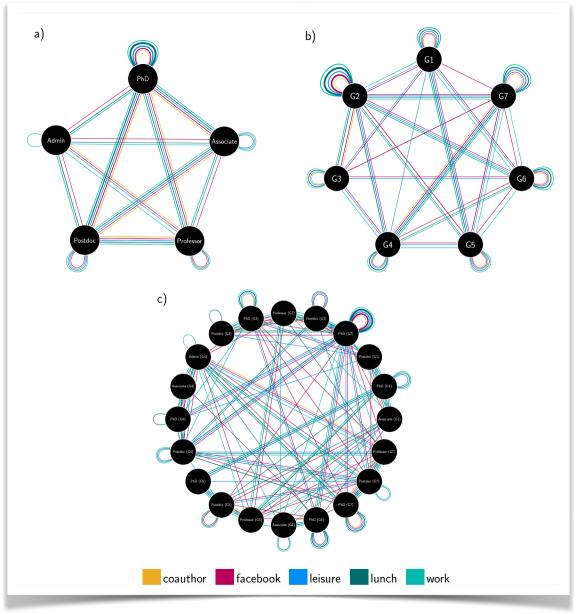
aggregated multigraphs: waffle matrices

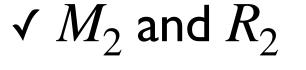






✓ M_1 and M_2

- tendency for within and between vertex category edges (homophily/heterophily)



- simplicity statistics
- single ties within vertex category (isolation)

 $\checkmark R_0$ and R_1

- R_0 : tendency for isolated vertices (network diffusion)
- R_1 : simple occupancy of edges



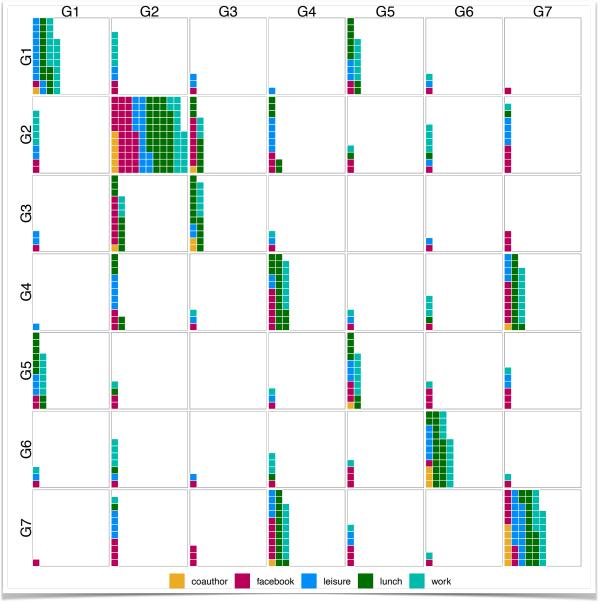
- tendency for strengthening ties (multiplexity)

 $\checkmark M_1$ and R_1

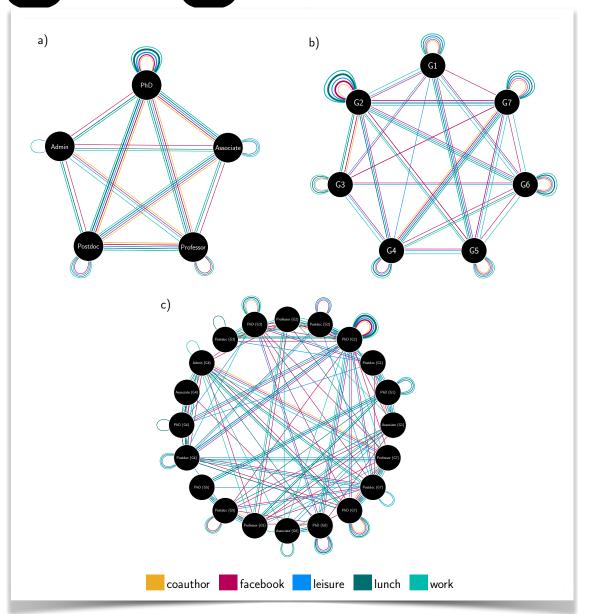
- single ties within vertex category (isolation)

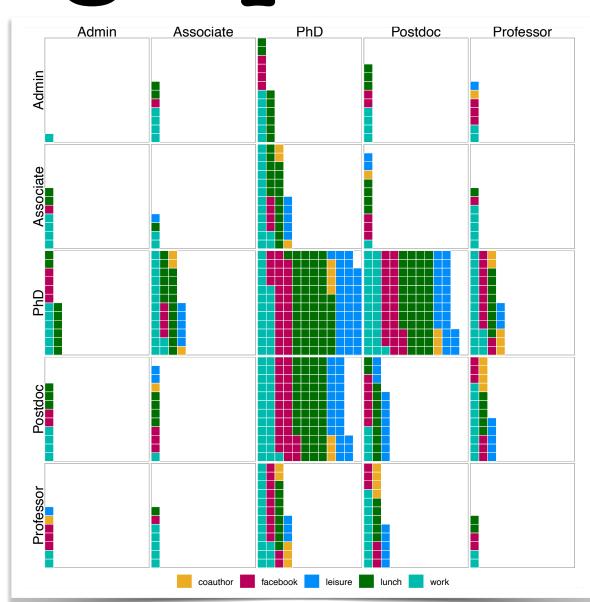
 \checkmark interval estimates for R_k

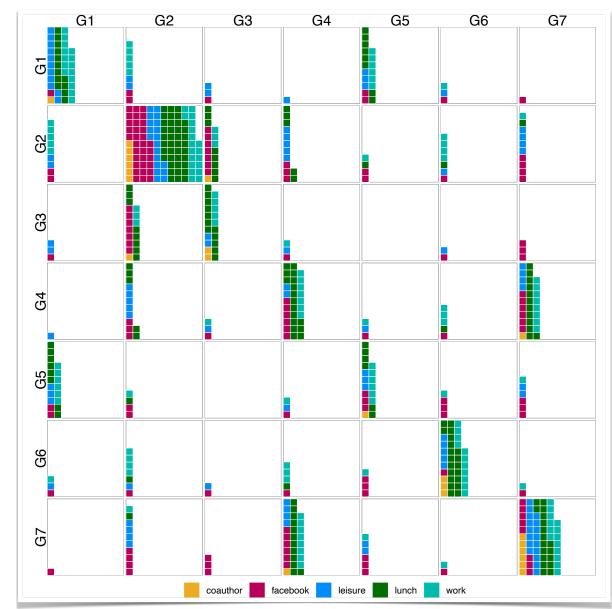
- if overlapping for multiple edge types \Rightarrow multiplexity



aggregated multigraphs: waffle matrices







$\checkmark M_1$ and M_2

- tendency for within and between vertex category edges (homophily/heterophily)

$\checkmark R_0$ and R_1

- R_0 : tendency for isolated vertices (network diffusion)
- R_1 : simple occupancy of edges

$\checkmark M_1$ and R_1

- single ties within vertex category (isolation)

$\checkmark M_2$ and R_2

- simplicity statistics
- single ties within vertex category (isolation)

$$\checkmark R_0 + R_1$$
 compared to $R_3 + \cdots + R_k$

- tendency for strengthening ties (multiplexity)
- ✓ interval estimates for R_k
- if overlapping for multiple edge types ⇒ multiplexity

observed edge multiplicities