

User Behavior and Social Media Structure

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Structure

- The decisions made by social media site developers, administrators, etc. that are intended to enhance or increase user participation
- Aesthetic elements can be structure if linked to user performance in some way
- Those are not really my focus

Current Issues

- How can we encourage participation?
 - Quantity
 - Quality
- Is there a schema or model that explains behavior trends in social media?
- Using a model, can a method for increasing participation be determined?

Current Issues (cotsd.)

- Separation of user behaviors
 - Endogenous: behavior triggered by personal preferences
 - Exogenous: behavior triggered by peer influence

Brzozowski, Sandholm, & Hogg (2009)

My Research Questions

- How does structure of social media systems play a role in user behavior?
- Is there structural diffusion occurring from popular social media (i.e. what do users expect to see)?

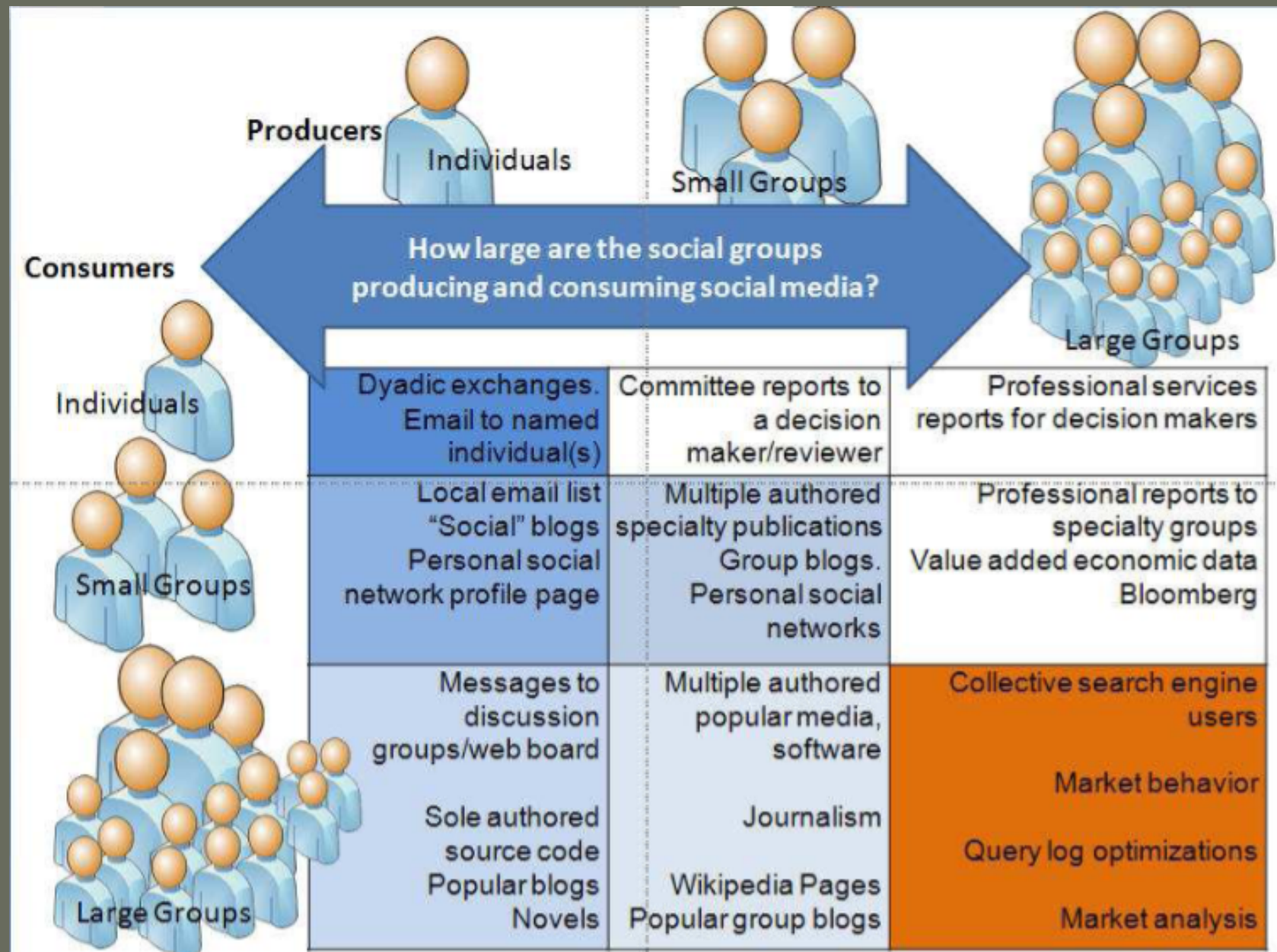
Dimensions of Analysis

- How does system structure influence:
 - User attitudes
 - Participation rates
 - User behaviors

An example

- Some social sites through their structure develop user roles
 - e.g. Wikipedia— “vandal hunters”
- Site size facilitates different types of interaction

An example



An example: analysis

- Attitudes: people have positive attitudes when they have a role and know other's roles
- Participation Rates: people participate more and in niche ways according to their roles
- User Behaviors: there is less social pressure to participate in a meaningful way in large groups (e.g. Wikipedia) than in small groups

Paper Goals

- Synthesis of research in this area
- Identifying structural elements that researchers have linked to desired participation goals
- The development of a model (or at least a pathway towards a model)