

# Modeling the Sociodynamics of Applause

## Midterm Presentation

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# Outline

- 1 Problem Description
- 2 Principles
- 3 Tools
- 4 Arguments from Scale
- 5 Graphical Methods
- 6 Basic Optimization



Congress



State of the Union

# Value and Application

Ideally, the Model:

- ① Measures approval/acceptance of subject
- ② Can be applied to get a create a full blown applause
- ③ Describes the transfer of ideas and the rate of approval

# Meet the Sponsors

Because the project is in research phase the sponsors have been chosen to be in an academic setting

- 1 Department of Applied and Mathematics and Statistics at JHU

is well known for its multi-faceted and verastile research as well as its industrial connections

- 2 Department of Sociology at JHU

is well known for its research in group psychology, social interactions, and group dynamics

Once a primitive model is produced more industrial sponsors such as google, facebook, HBO, etc. can be added.

# Getting People on the Bandwagon!

Measuring Approval and Acceptance:

- ① Work Statement
- ② Midterm Presentation
- ③ Progress Report
- ④ Final Presentation
- ⑤ Final Report

# Programmings in this class

## ① L<sup>A</sup>T<sub>E</sub>X:

① moderncv

② beamer

③ article

④ tikz

## ② R:

① tikzDevice

② lm

## ③ Git

① git init .



# Seven Basic Principles

- 1 Set the context
- 2 Choose effective examples and analogies
- 3 Choose vocabulary to suit your readers
- 4 Decide whether to present #s in text, tables, or figures
- 5 Report and interpret #s in the text
- 6 Specify the direction *and* size of an association between variables
- 7 For many #s, summarize overall pattern

# Creating Effective Tables

# Example: Cost of Packaging

# Example: The Nuclear Mission Arms Race

# Example: Maintaining Inventory