# Modelling Handedness as a Function of Cooperation and Competition Or: How I Learned to Bow Down to My Left-Handed Overlords

Meridith Bartley John Ensley

Department of Statistics
The Pennsylvania State University

STAT 590 Presentation, December 4, 2014



## Outline

Introduction
History of Handedness

Building the Model

Comparing Model to Baseball Data Another Subsection



## History of Handedness

- ▶ 10% of population is left-handed.
- Why hasn't this percentage reached equilibrium in populations at either:
  - ► 50%-50% between left and right-handedness
  - ▶ 100% either left or right handed
  - Some other handedness ratio
- This paper proposes that hand preference may be influenced by costs and benefits of cooperation and competition during human evolution.



## Building the Model

#### Block Title

You can also highlight sections of your presentation in a block, with it's own title

#### **Theorem**

There are separate environments for theorems, examples, definitions and proofs.

### Example

Here is an example of an example block.



Modelling Handedness as a Function of Cooperation and Competition

Comparing Model to Baseball Data

Another Subsection

## Video



## Summary

- ► The first main message of your talk in one or two lines.
- The second main message of your talk in one or two lines.
- Perhaps a third message, but not more than that.
- Outlook
  - Something you haven't solved.
  - Something else you haven't solved.



# For Further Reading I



A. Author.

Handbook of Everything.

Some Press. 1990.



S. Someone.

On this and that.

Journal of This and That, 2(1):50-100, 2000.

