

# Statistics without the agonizing pain

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Without the pain

With thanks to John Rauser: [Statistics Without the Agonizing Pain](#)

## Problem 1 - a biased jury?


- ▶ Around 1962: Robert Swain - a black man - sentenced to death by an all-white Jury in Talladega County, Alabama.
- ▶ Of the eligible jurors in the county, 26% were black.
- ▶ Swain appealed eventually to the [Supreme Court](#) on the basis that the jury selection was biased.
- ▶ What do you think?

# Problem 1 - with a computer

<http://bit.ly/less-agony>

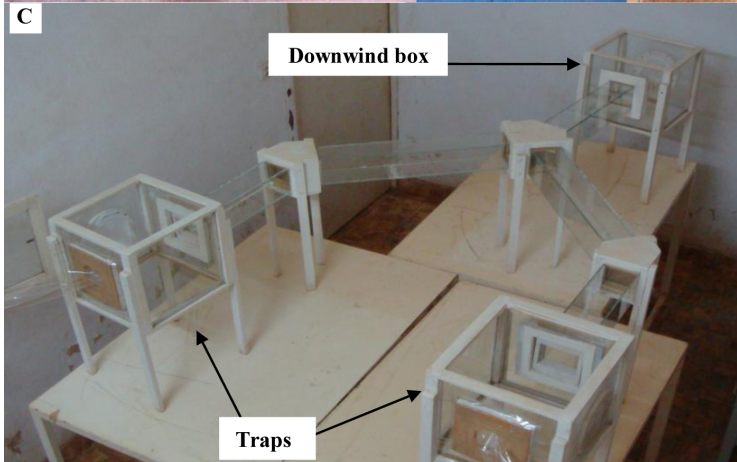
## Problem 2 - do mosquitoes like beer?

### **Beer Consumption Increases Human Attractiveness to Malaria Mosquitoes**

Thierry Lefèvre , Louis-Clément Gouagna, Kounbobr Roch Dabiré, Eric Elguero, Didier Fontenille, François Renaud, Carlo Costantini, Frédéric Thomas

Published: March 4, 2010 • <https://doi.org/10.1371/journal.pone.0009546>

# The setup



## Problem 2

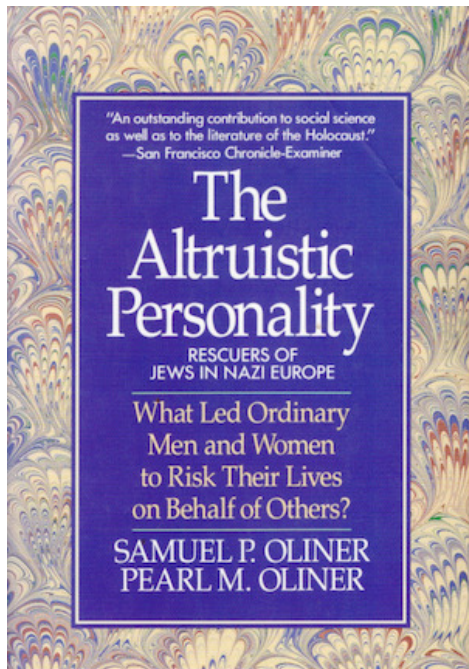
What do you think?

## Problem 2 - with a computer

<http://bit.ly/less-agony>



## Problem 3 - were rescuers democratic?



## The numbers

	Democratic	Other	Total
Bystander	1	6	7
Rescuer	32	8	40
Total	33	14	47

Some percentages.

## Problem 3

What do you think?

## Problem 3 - with a computer

<http://bit.ly/less-agony>