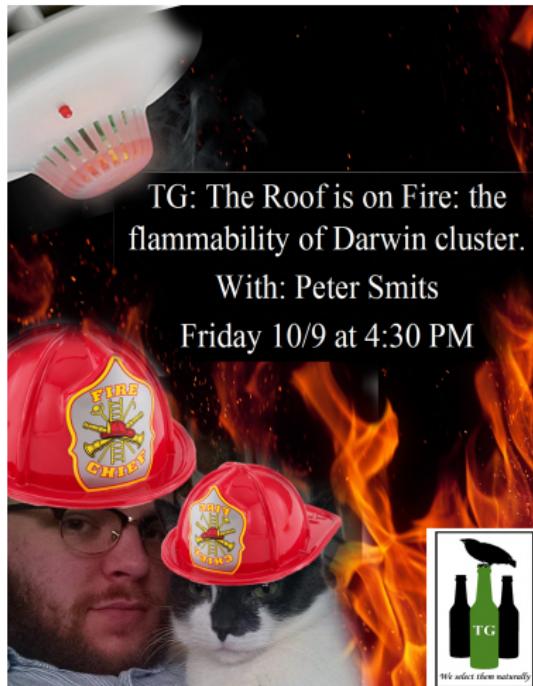


# The Roof is on Fire

The flammability of the Darwin cluster

Peter D Smits

Committee on Evolutionary Biology, University of Chicago



TG: The Roof is on Fire: the  
flammability of Darwin cluster.

With: Peter Smits

Friday 10/9 at 4:30 PM



Peter D Smits

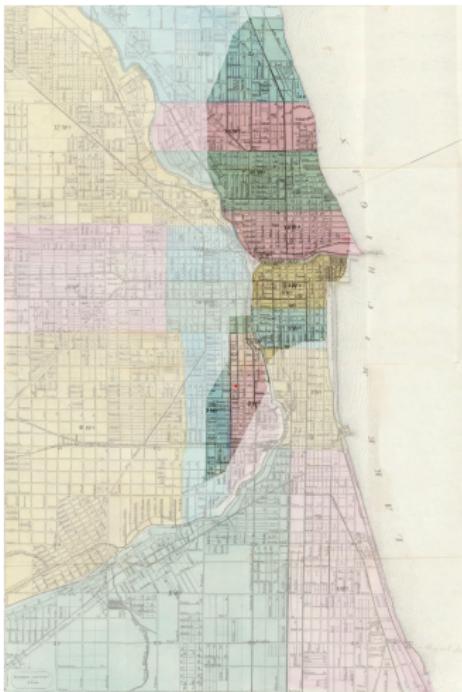
The Roof is on Fire





Peter D Smits

The Roof is on Fire

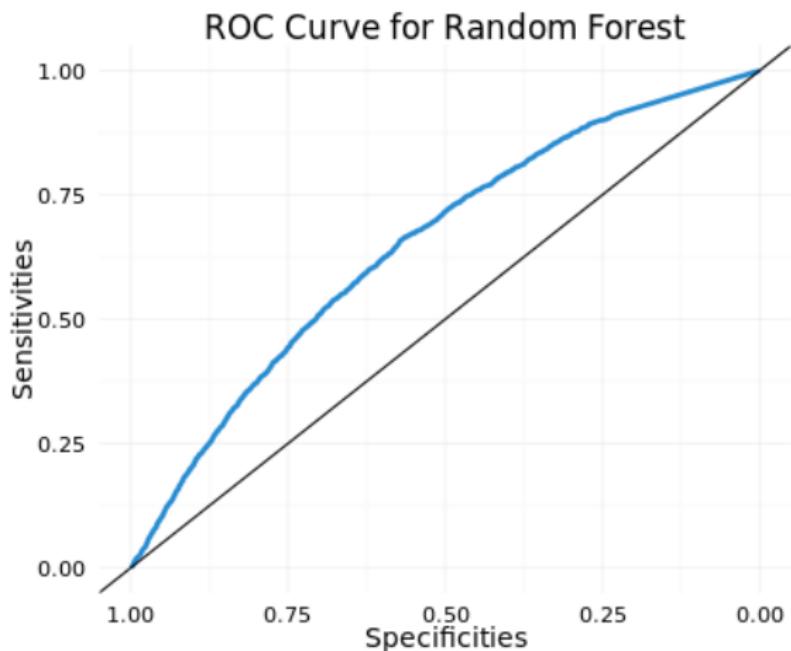


Peter D Smits

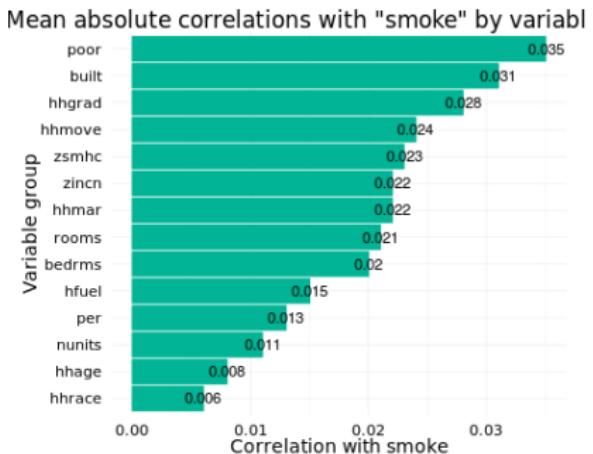
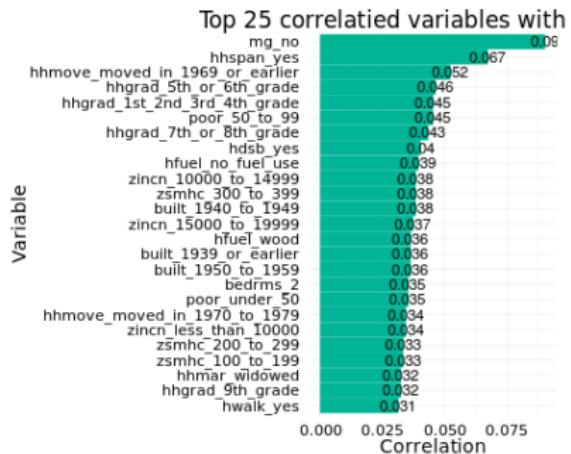
The Roof is on Fire

<http://labs.enigma.io/smoke-signals/>

Surprisingly simple model... with mediocre performance

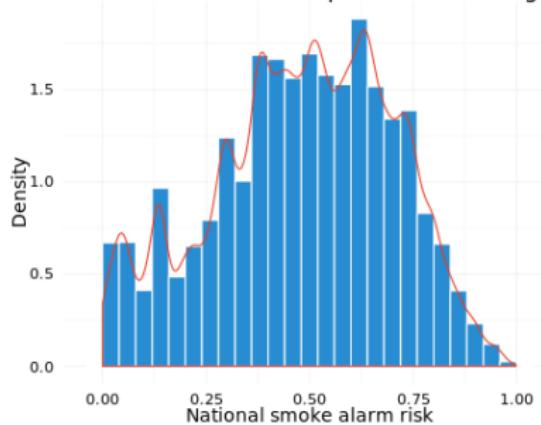


# Correlations with smoke detector p/a

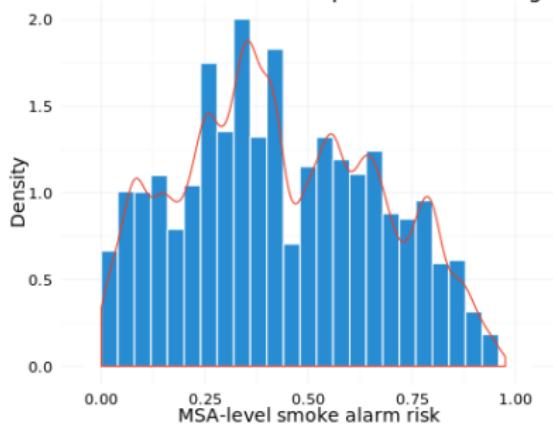


# Correlations with smoke detector p/a

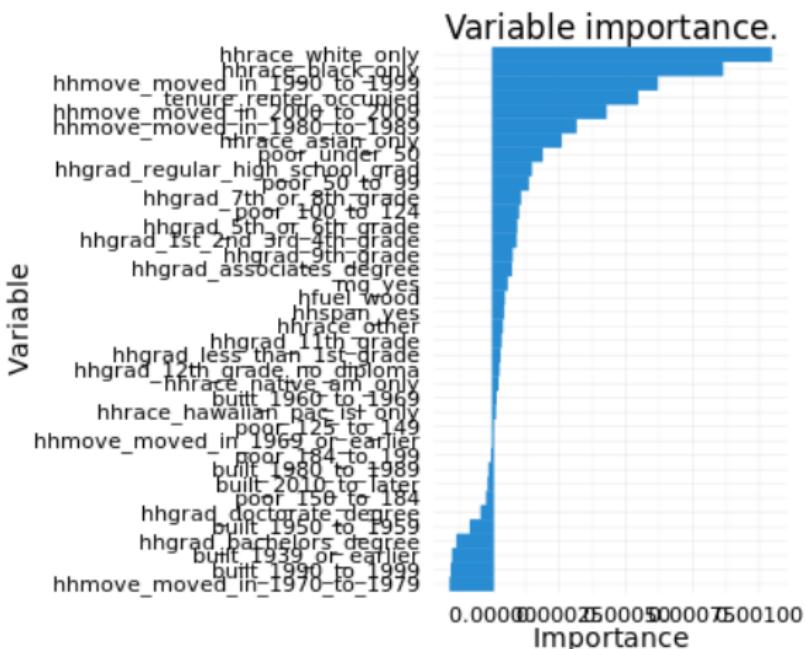
National smoke alarm risk per census block group



MSA-level smoke alarm risk per census block group

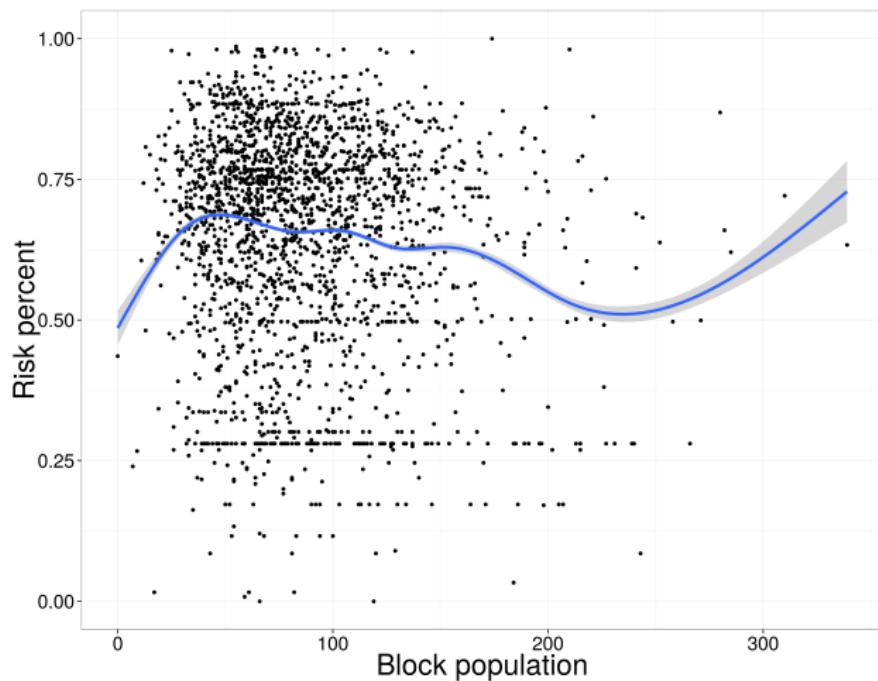


# Variable importance behind risk factor

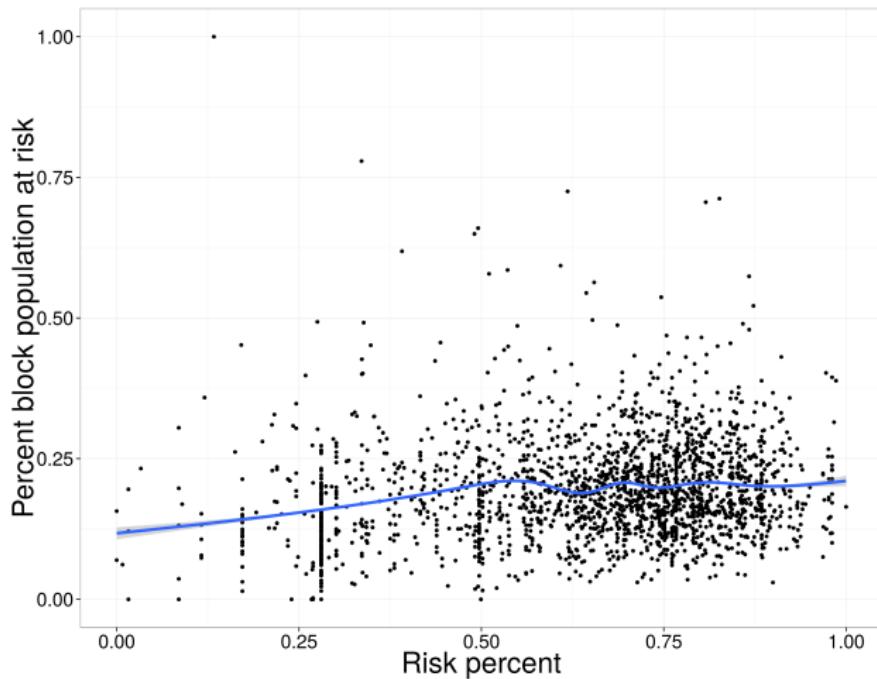


But what about us?

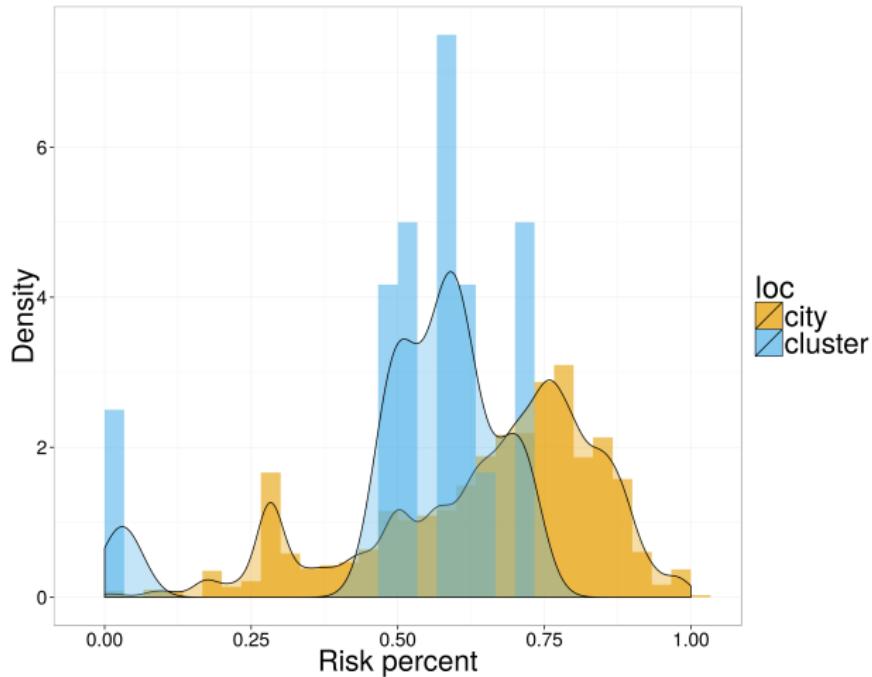
# Chicago population size and risk



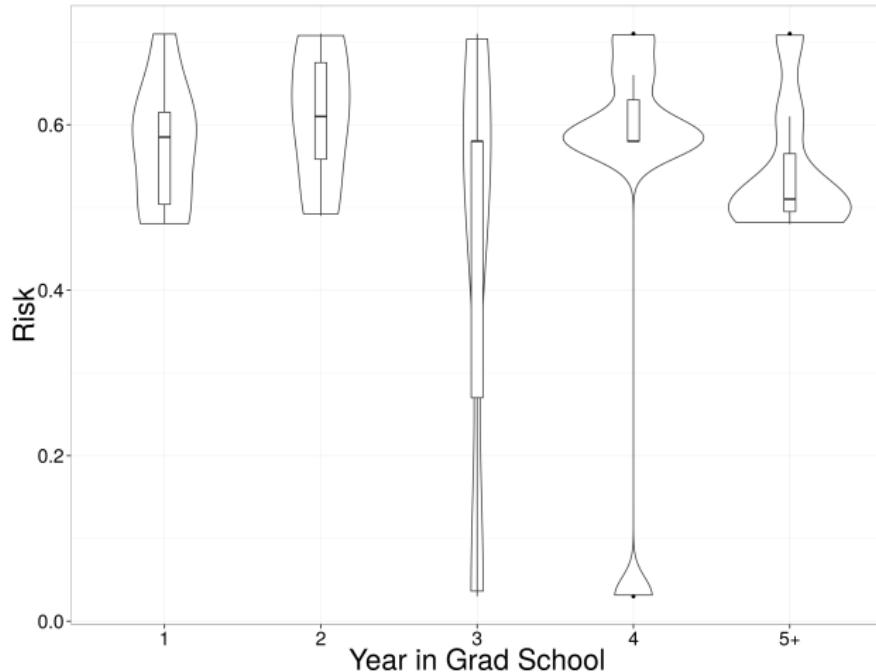
# Chicago risk and percent population at risk



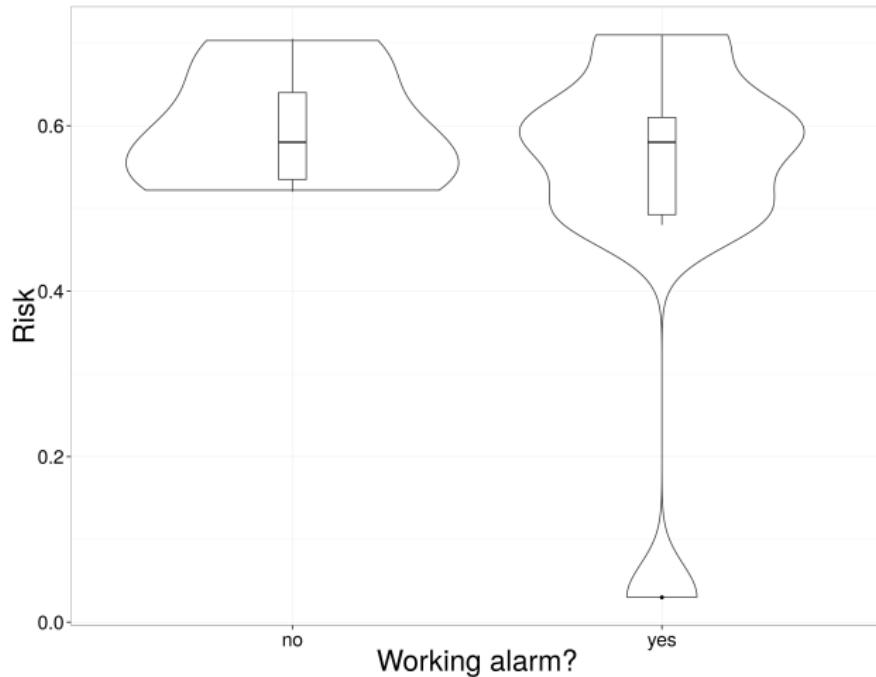
## Compared to the rest of Chicago



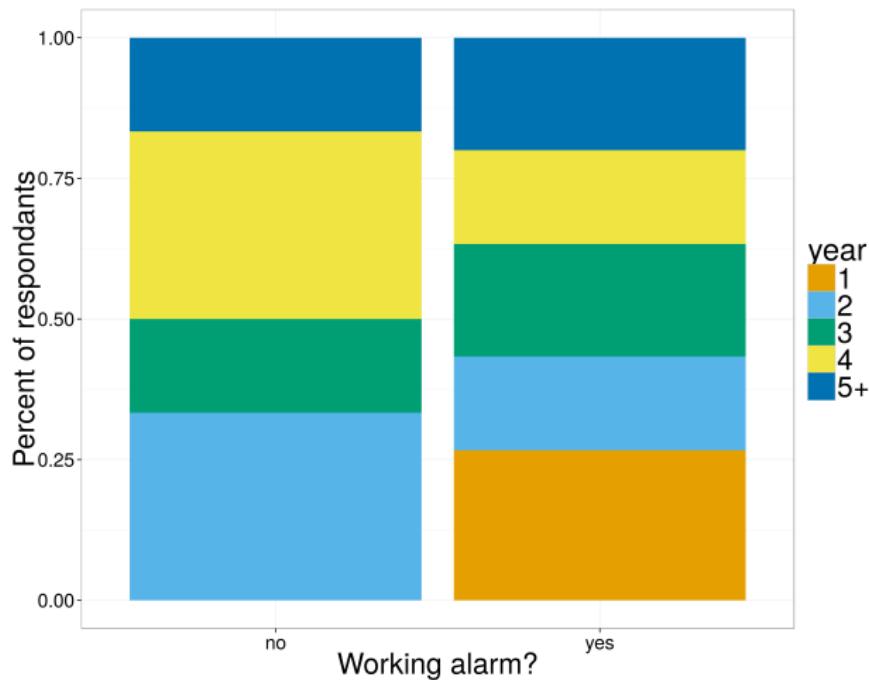
## Cluster by year



## Cluster by “alarm” state



## Year by “alarm” state



# Fire stories

# Ermin!



Peter D Smits

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