Steve's Xaringan Presentation

POSC 0000 – It Would Be Cool If This Were an Actual Class Presentation

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Install Xaringan First

Install the **xaringan** package from Github:

```
devtools::install_github("yihui/xaringan")
```

You are recommended to use the RStudio IDE, but you do not have to.

- Create a new R Markdown document from the menu `File -> New File -> R Markdown -> From Template -> Ninja Presentation;`[1]
- Click the `Knit` button to compile it.

remark.js Maximizes the Presentation Value

Press h or ? to see controls you have in remark.js.

Hit Esc to exit that screen.

You can do this to your slides if you want

Add `class: center, middle` to the start of your slide.

Perhaps you want the appearance of a secondary title slide, which is what this will do.

For example, check this out...

Pop Music and Political Science

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I am not funny and you will be forgiven for thinking of me as impossibly uncool.

Sheena Easton and Total Conflict

Sheena Easton describes the following scenario for her baby:

- Takes the morning train
- Works from nine 'til five
- Takes another train home again
- Finds Sheena Easton waiting for him

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Sheena Easton and her baby are playing a **zero-sum (total conflict)** game.

- Akin to Holmes-Moriarty game (see: von Neumann and Morgenstern), or "matching pennies."
- Useful for modeling strategic counterterrorism dilemmas between a government and terrorist group.

A Total Conflict Between Sheena Easton and Her Baby

	Sheena Easton Stays Home	Sheena Easton Goes to Baby's Work
Baby Home Again	-100, **100**	**100**, 0
Baby Stays at Work	**50**, 0	-100, **100**

A Total Conflict Between Sheena Easton and Her Baby

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Baby Stays at Work	**50**, 0	-100, **100**

Notice we have no pure strategies, and no Nash equilibrium.

- Sheena Easton wants to proverbially "match pennies."
- Her baby has diametrically opposed preferences, fearing for his safety.

Solution: mixed strategy.

Run...
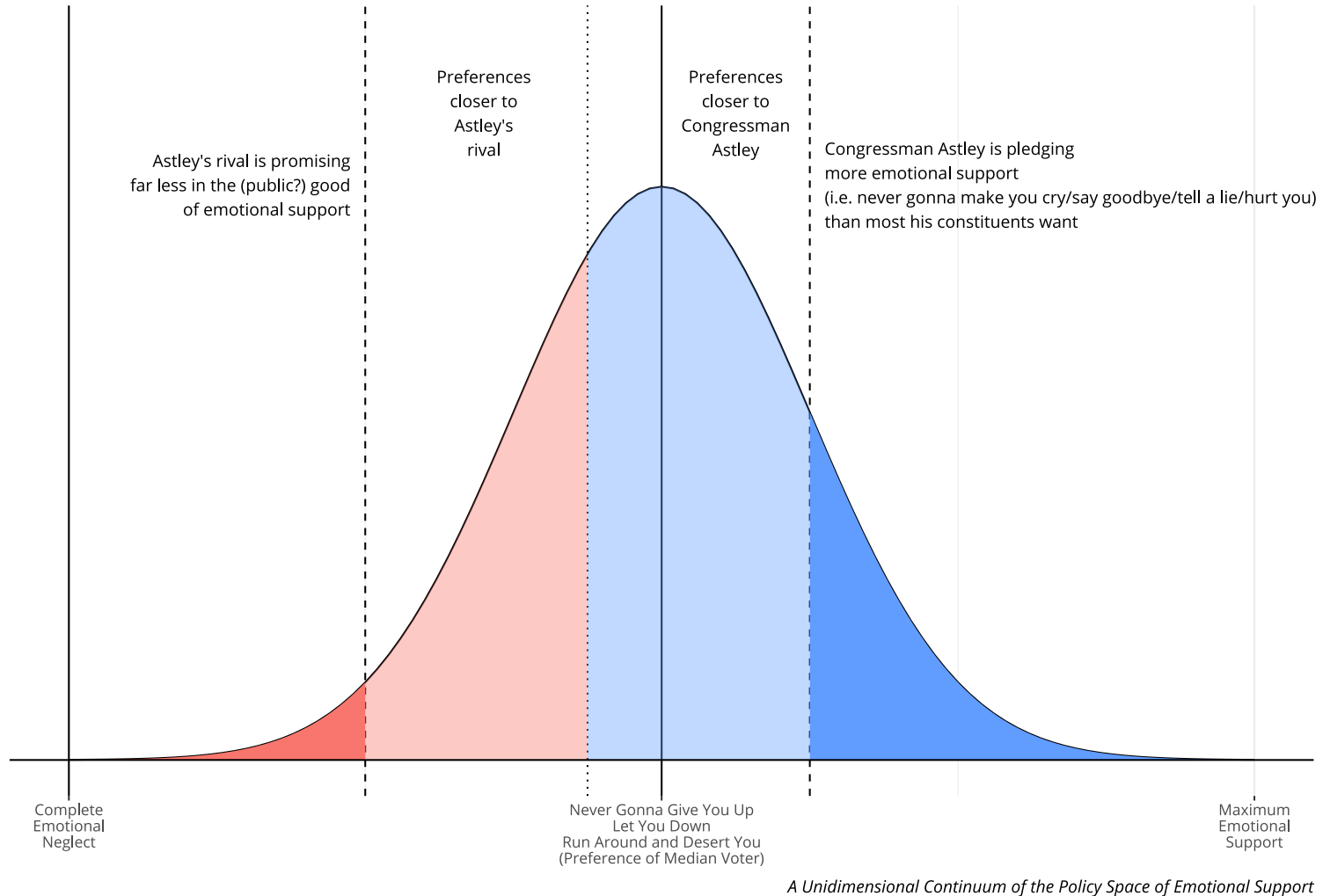
Congressman Astley's Re-election Platform

Assume Congressman Astley presides over a competitive district in which he seeks reappointment. He promises he's:

- Never gonna give you up.
- Never gonna let you down.
- Never gonna run around and desert you.
- Never gonna make you cry.
- Never gonna say goodbye.
- Never gonna tell a lie and hurt you.

Are these promises (if credible) sufficient to secure re-election?

Median Voter Theorem Suggests Congressman Astley Secures Re-election Against His Rival

Assuming a unidimensional policy space and single-peaked preferences, Congressman Astley is closer to the median voter than his rival and wins the election.

Astley's rival is promising far less in the (public?) good of emotional support

Preferences closer to Astley's rival

Preferences closer to Congressman Astley

Congressman Astley is pledging more emotional support
(i.e. never gonna make you cry/say goodbye/tell a lie/hurt you) than most his constituents want

Complete
Emotional
Neglect

Never Gonna Give You Up
Let You Down
Run Around and Desert You
(Preference of Median Voter)

Maximum
Emotional
Support

A Unidimensional Continuum of the Policy Space of Emotional Support

Re-election Dance

Caribbean Queen and Operation Urgent Fury

Billy Ocean released "Caribbean Queen" in 1984.
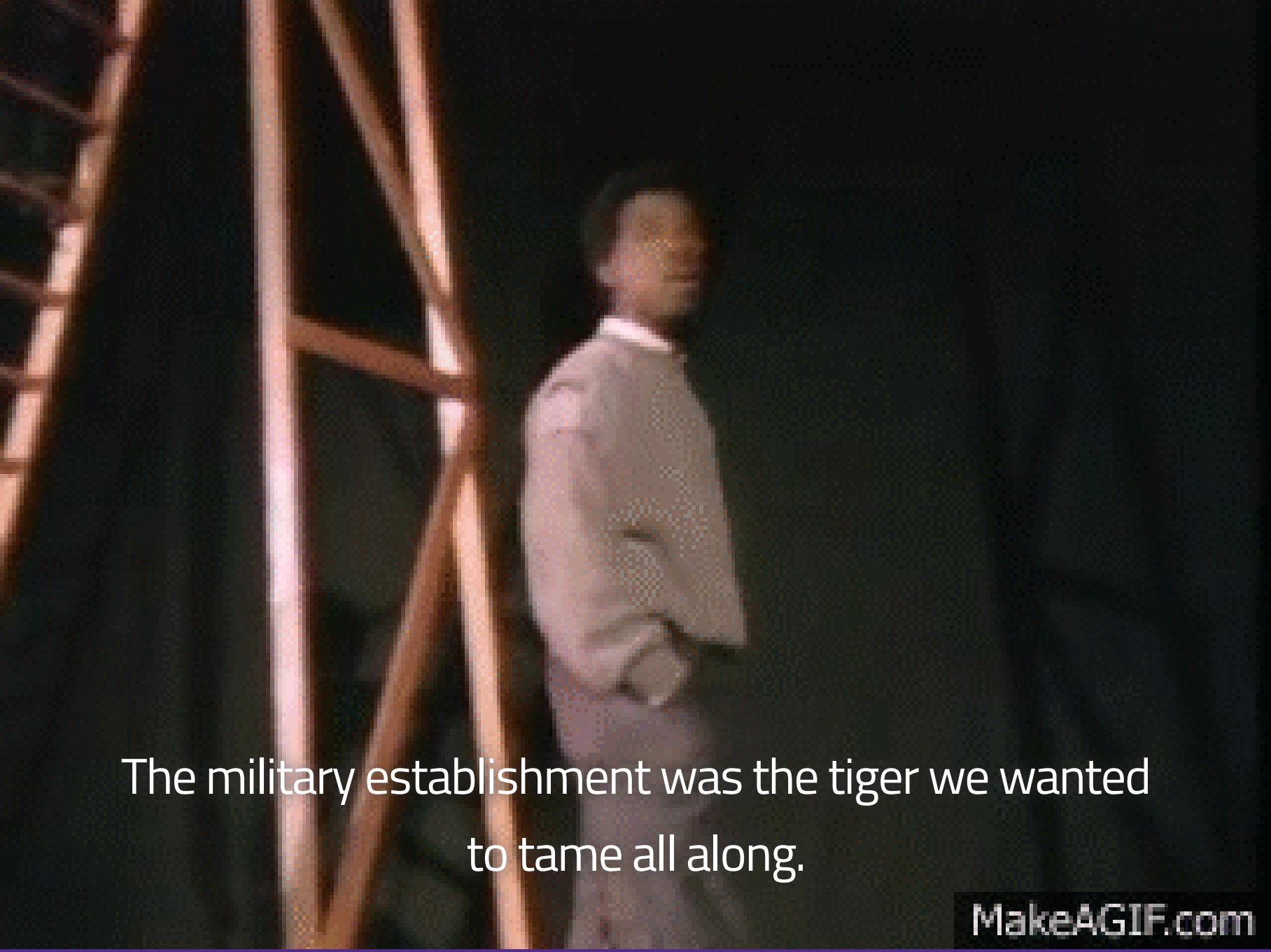
This seriously happened, btw..

- Emphasized sharing the same dream
- Hearts beating as one

"Caribbean Queen" is about the poor execution of Operation Urgent Fury.

- Coordination problems plagued its execution from the start.
- Echoed JCS chairman David Jones' frustrations with military establishment.

Billy Ocean is advocating for what became the Goldwater-Nichols Act.

- Wanted to take advantage of **economies of scale**, resolve **coordination problems** in U.S. military.

The military establishment was the tiger we wanted

to tame all along.

The Good Day Hypothesis

We know the following about Ice Cube's day.

1. The Lakers beat the Supersonics.
2. No helicopter looked for a murder.
3. Consumed Fatburger at 2 a.m.
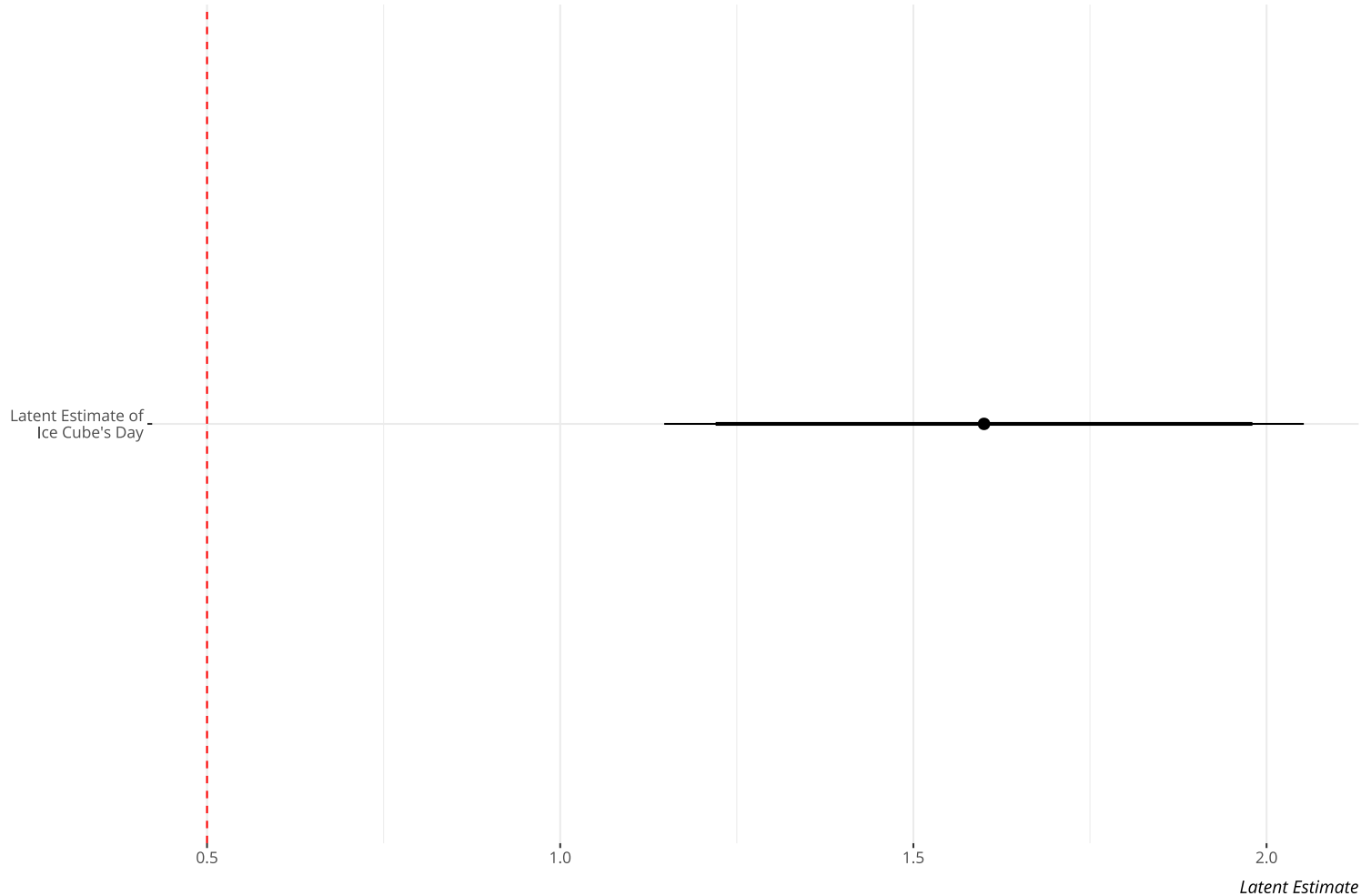4. Goodyear blimp: "Ice Cube's a pimp."

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This leads to two different hypotheses:

- H_0: Ice Cube's day is statistically indistinguishable from a typical day.
- H_1: Ice Cube is having a good day.

These hypotheses are tested using archival data from Ice Cube's life to estimate an item response model of the "goodness" of Ice Cube's days.

Latent Estimates from Ice Cube's Archives Lend Support to the 'Good Day' Hypothesis

Latent estimates are drawn from an item response model of indicators of the quality of Ice Cube's days. These include whether he had to use his A.K.

Latent Estimate of
Ice Cube's Day

0.5   1.0   1.5   2.0

Latent Estimate

Data: Ice Cube's Archives, obviously fictional. Red value of .5 indicate likelihood of 'good day.'

You Can Do Other Stuff in Xaringan Too

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I might use it mostly for the ability to put GIFs in class presentations, but it's flexible enough to do almost anything.

Show some R code and execute it if you'd like.

```
pi
```
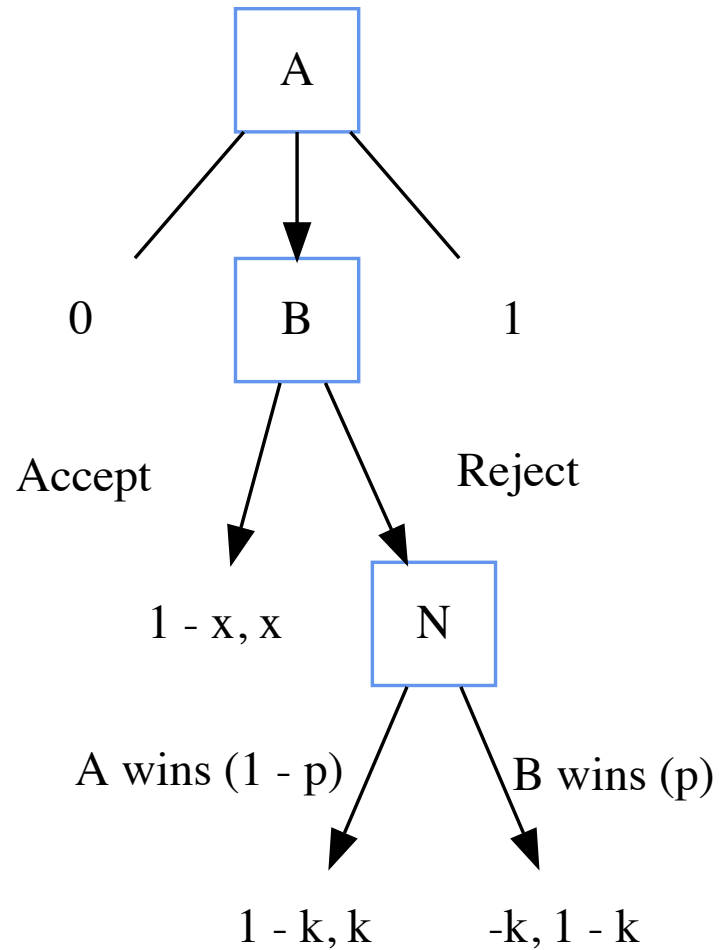
```
## [1] 3.141593
```

```
3+5
```

```
## [1] 8
```

```
rnorm(10)
```

```
##  [1] -0.66622504  0.24417252 -0.93541371  0.20703332 -0.06229607
##  [6]  1.75363615  0.19782054 -0.43730703  2.06791398 -0.54591279
```

Here's a simple ultimatum game, a la Fearon (1995). Done via `DiagrammeR`.

A

0   B   1

Accept   Reject

1 - x, x   N

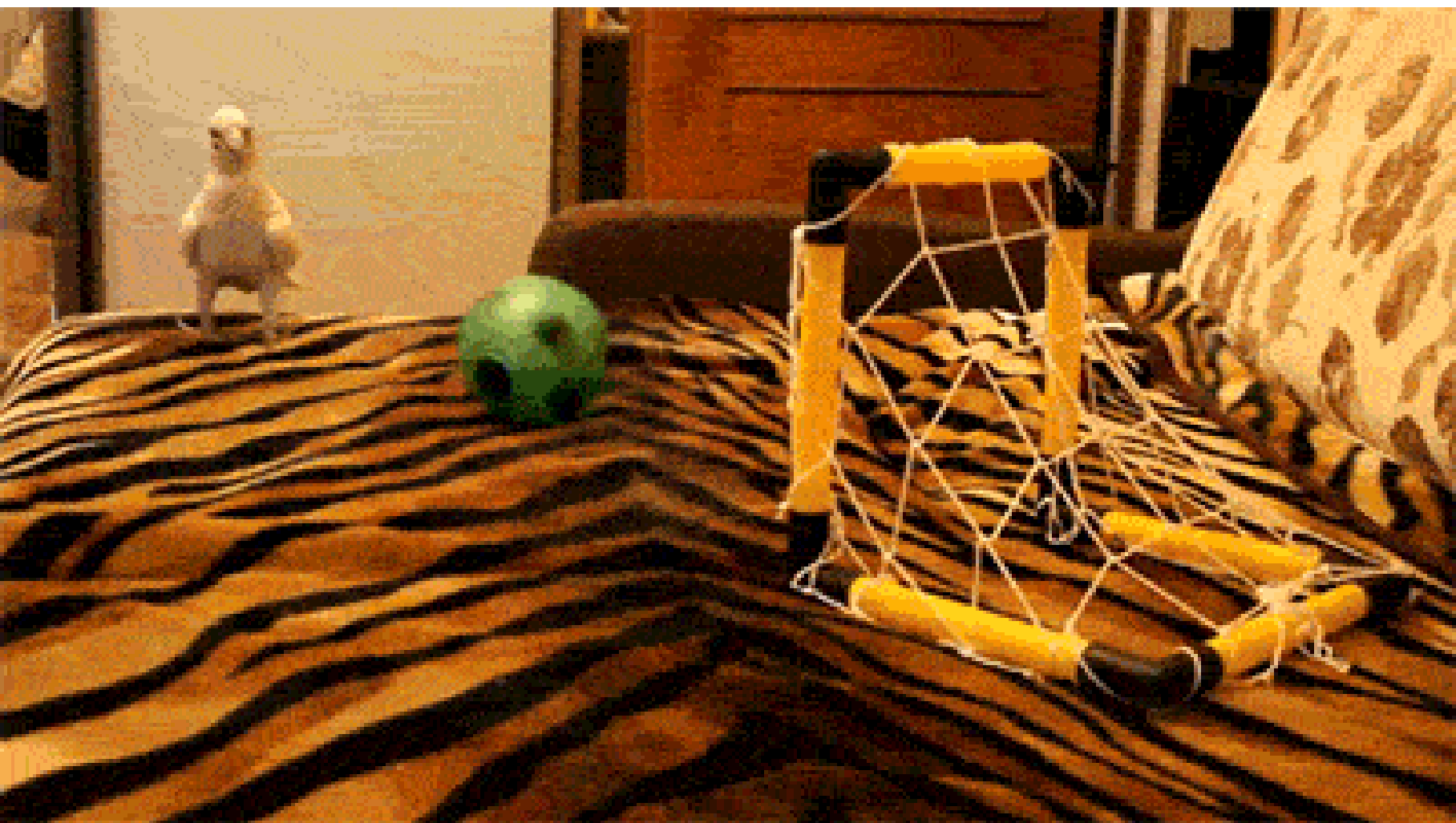A wins (1 - p)   B wins (p)

1 - k, k   -k, 1 - k

Conclusion

Xaringan is a nifty Rstudio add-on/package for creating HTML presentations.

- I think I'm still more inclined toward Beamer but Xaringan has tons of flexibility.
- Have an interactive component to your presentation (e.g. `leaflet` or a Shiny app)? You probably want Xaringan.

Plus, you can put GIFs into your presentation with Xaringan. That's nifty. Maybe students will like that.

Questions? Hate mail? Stay out of my mentions @stevenvmiller