Marty, Romoli, Sudo & Breheny 2022: Experiment 1

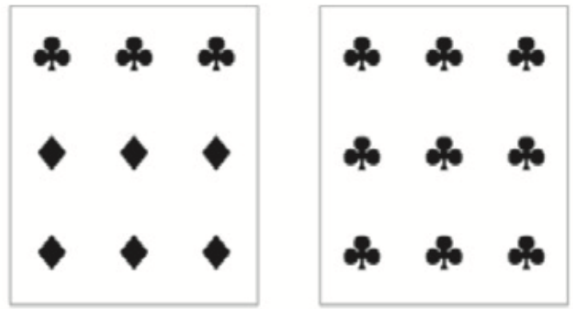
Bott & Chemla 2016

Prime

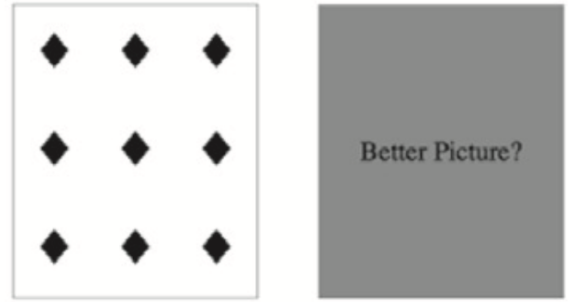
Target

Some of the symbols are clubs

Strong



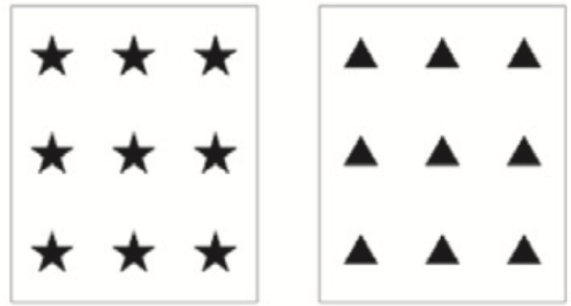
Some of the symbols are diamonds



Some

Some of the symbols are stars

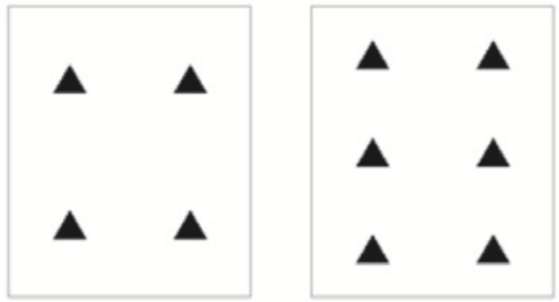
Weak



Number4

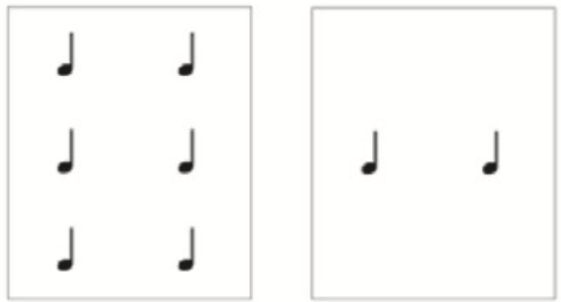
Strong

There are four triangles

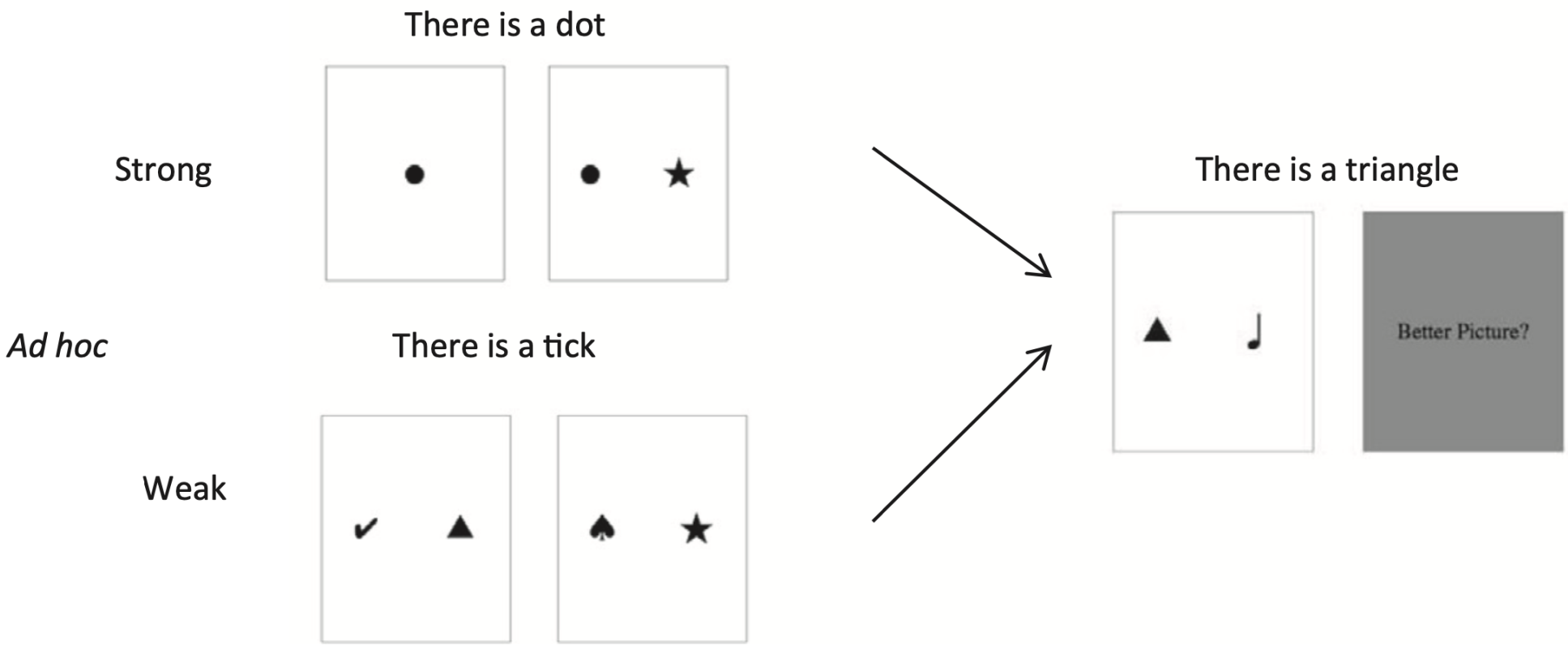


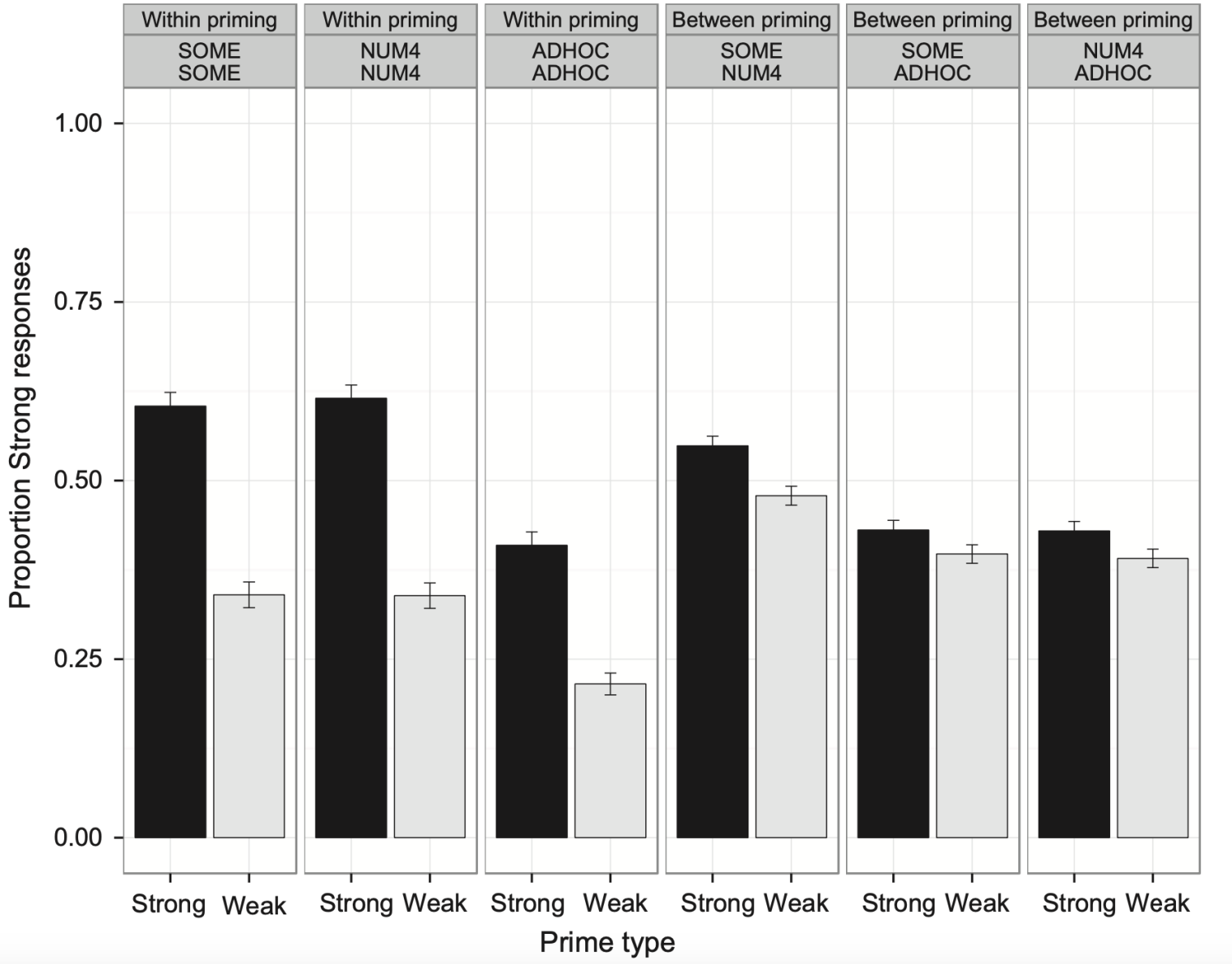
Weak

There are four squares



There are four ticks


There is a dot
Strong
There is a triangle
Ad hoc
There is a tick
Weak
Better Picture?

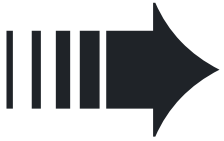

Within priming
SOME
SOME
Within priming
NUM4
NUM4
Within priming
ADHOC
ADHOC
Between priming
SOME
NUM4
Between priming
SOME
ADHOC
Between priming
NUM4
ADHOC
1.00
0.75
0.50
0.25
0.00
Proportion Strong responses
Strong
Weak
Prime type

Baseline

- Bott & Chemla 2016 did not include baselines
- Direction of priming
    - Strong primes boost SIs
    - Weak primes inhibit SIs
    - Both
- Bott & Chemla discuss PLURAL as a proxy baseline
- Waldon & Degen 2020 included math pseudo-primes as baselines

Marty, Romoli, Sudo & Breheny 2022

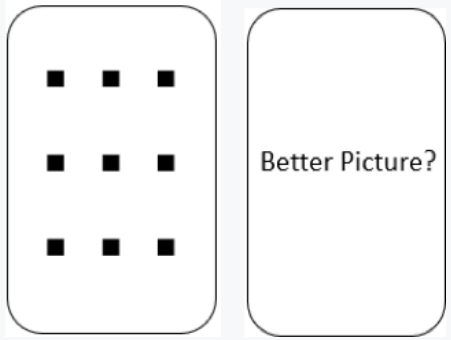
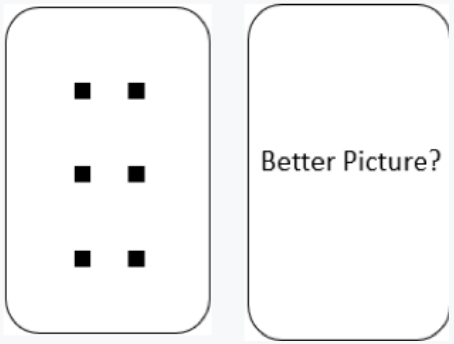
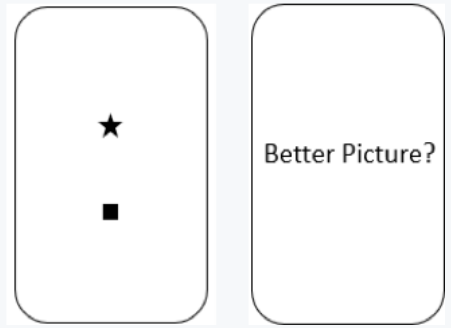
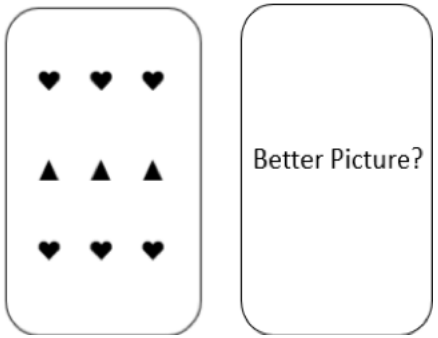
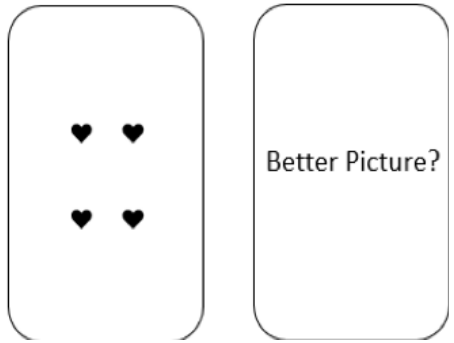
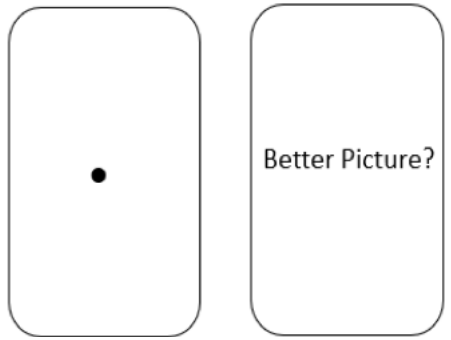
BLOCK 1
Baseline

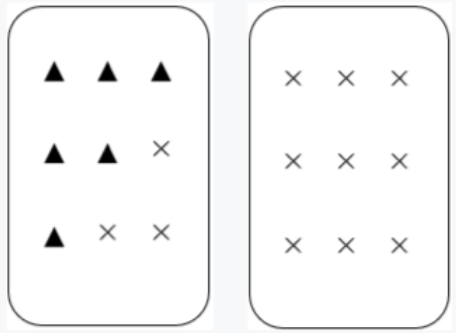
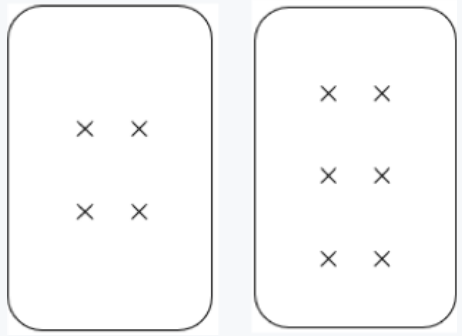
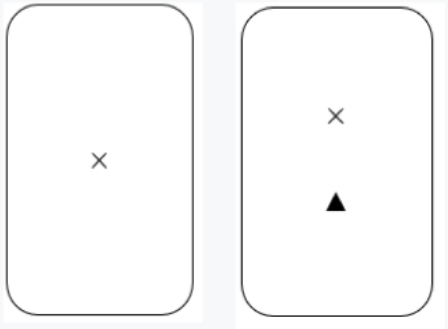
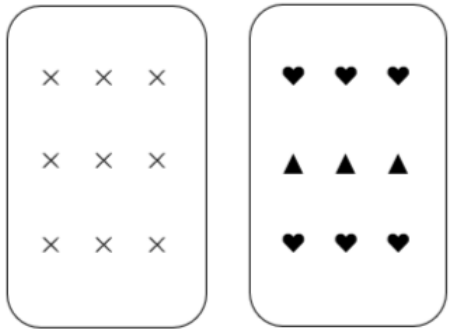
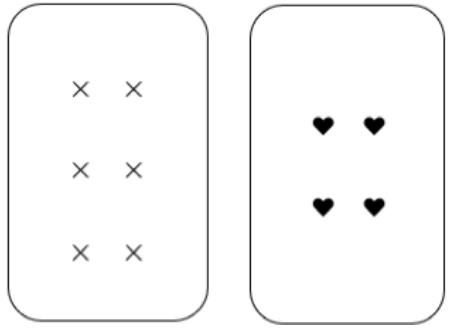
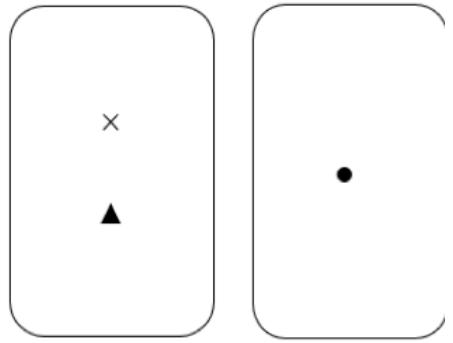


BLOCK 2
Priming

Block design

- BLOCK 1: Only covered box task
  - 4 target items x 3 scales
  - 2 true controls (correct answer = Overt) x 3 scales
  - 2 false controls (correct answer = Covert) x 3 scales
- BLOCK 2: Same as Bott & Chemla 2016
  - 4 prime-prime-target triplets x 3 scales x 2 prime types
  - Filler items with stronger expressions ('all', 'six', 'X and Y')
    - 3 with Covered Card x 3 scales
    - 3 without Covered card x 3 scales

	SOME	NUMERAL	AD HOC
Target	Some of the symbols are squares 	There are four squares 	There is a square 
Control True	Some of the symbols are hearts 	There are four hearts 	There is a circle 
Control	Some of the symbols are triangles	There are four hearts	There is a circle

	SOME	NUMERAL	AD HOC
Prime Strong	Some of the symbols are crosses 	There are four crosses 	There is a cross 
Prime Weak	Some of the symbols are crosses 	There are four crosses 	There is a cross 
	Some of the symbols are squares	There are four squares	There is a square