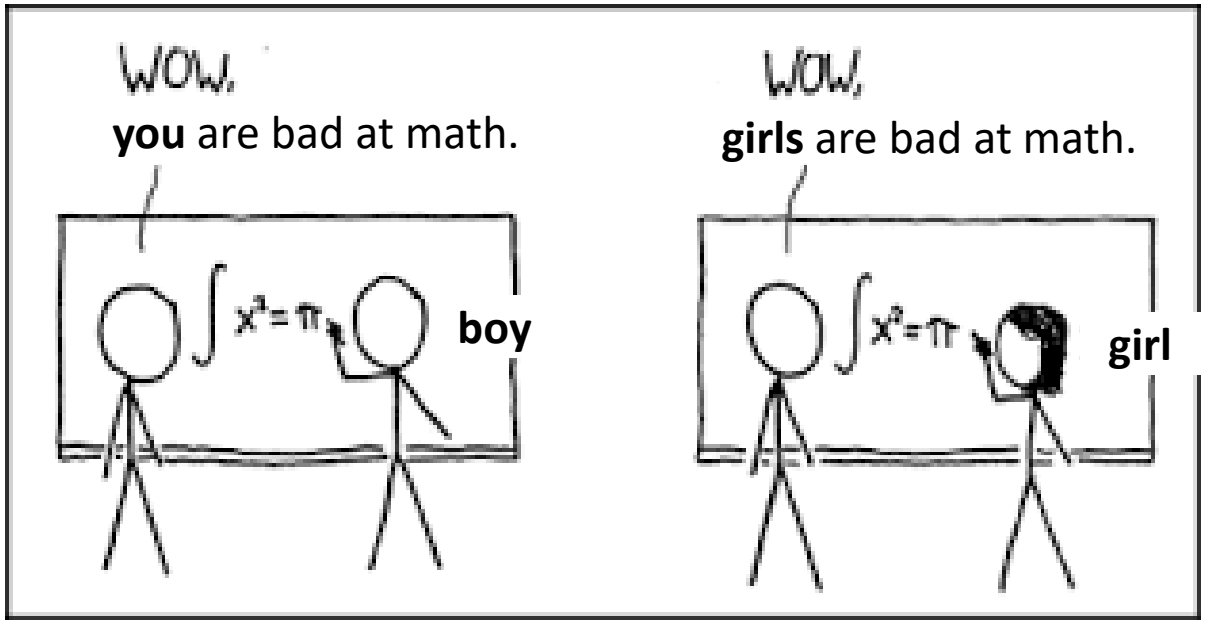
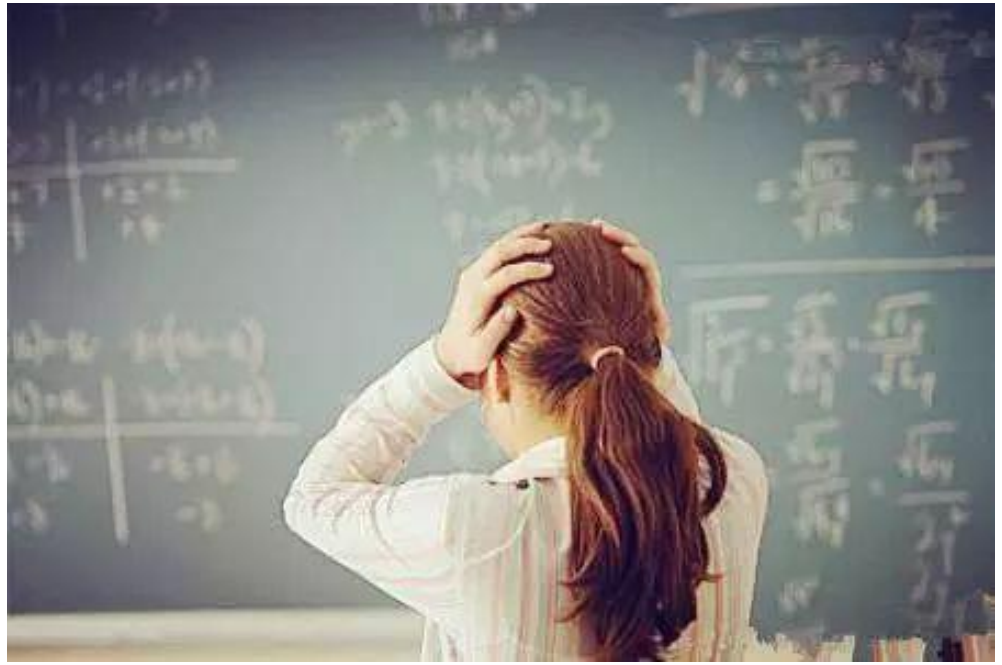
Stereotype Threat Benefited Women in Unpredictable Tasks, and Hurt Them in Predictable Ones

Samantha Shang, Wake Forest University

#2018 SSSP

Background





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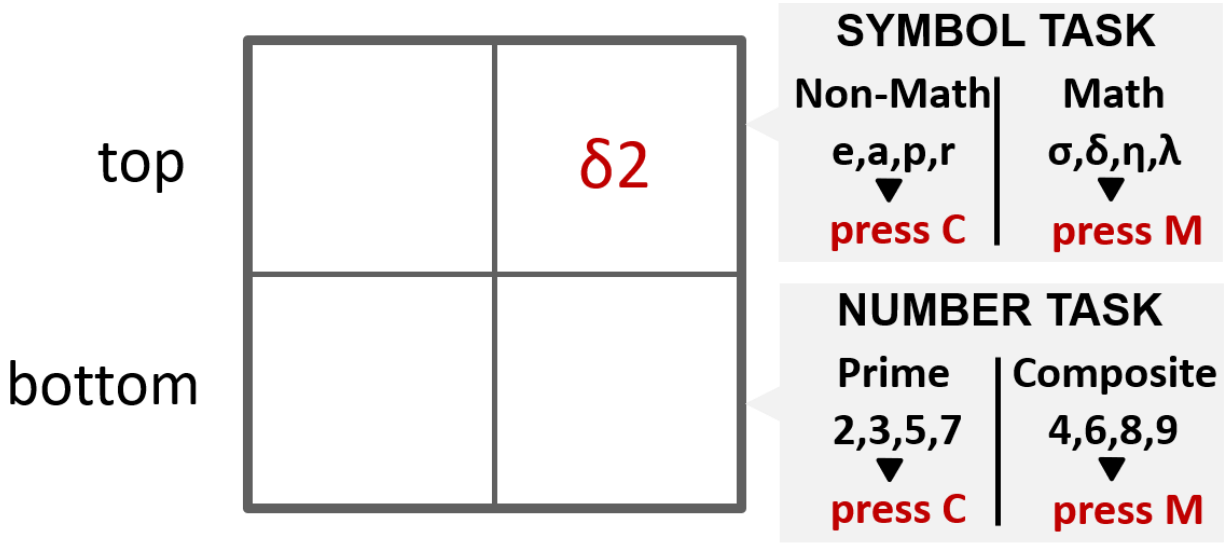
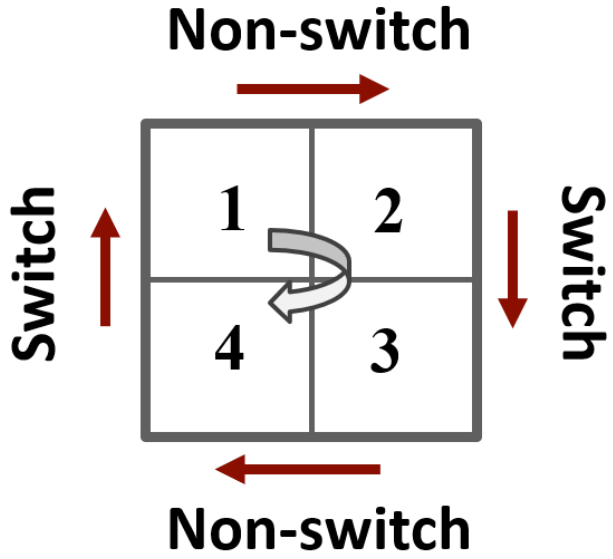
Task-switch paradigm



(Rogers & Monsell, 1995)

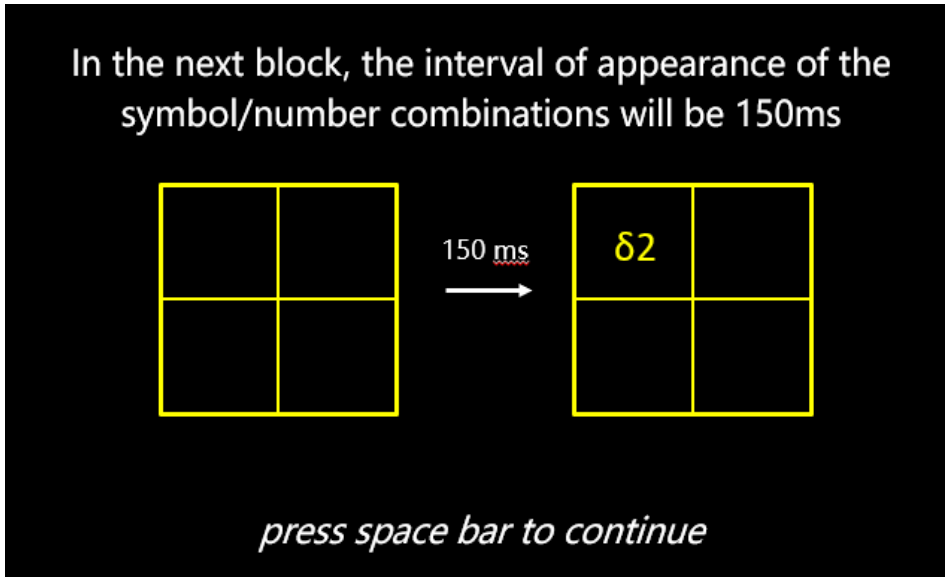


Study 1

"As you probably know, **math skills** are crucial to performance in many important subjects in college… research indicates that females consistently score lower than males on standardized tests of math ability…"

V.S.

"As you probably know, **cognitive processes** are crucial to performance in many important subjects in college… "



V.S.

random from
150ms, 300ms,
600ms, 1200ms

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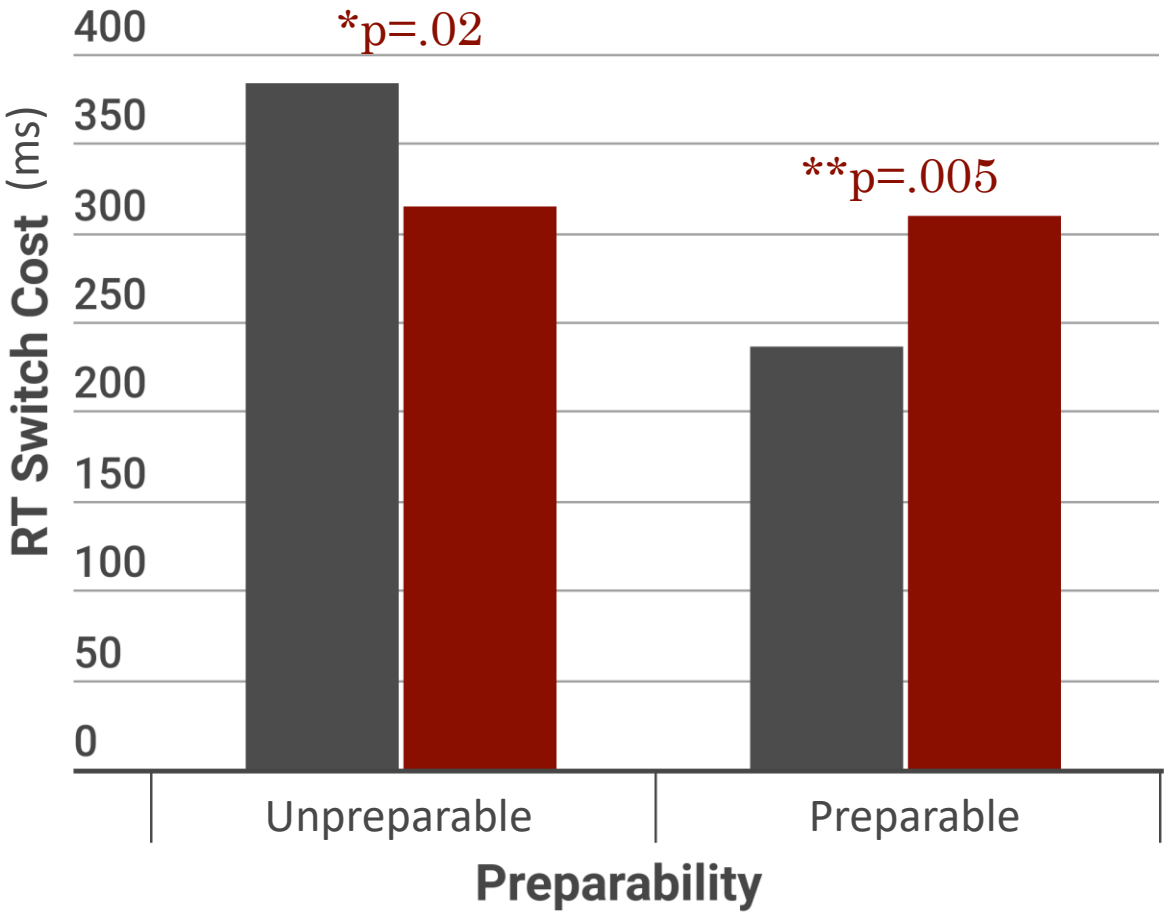
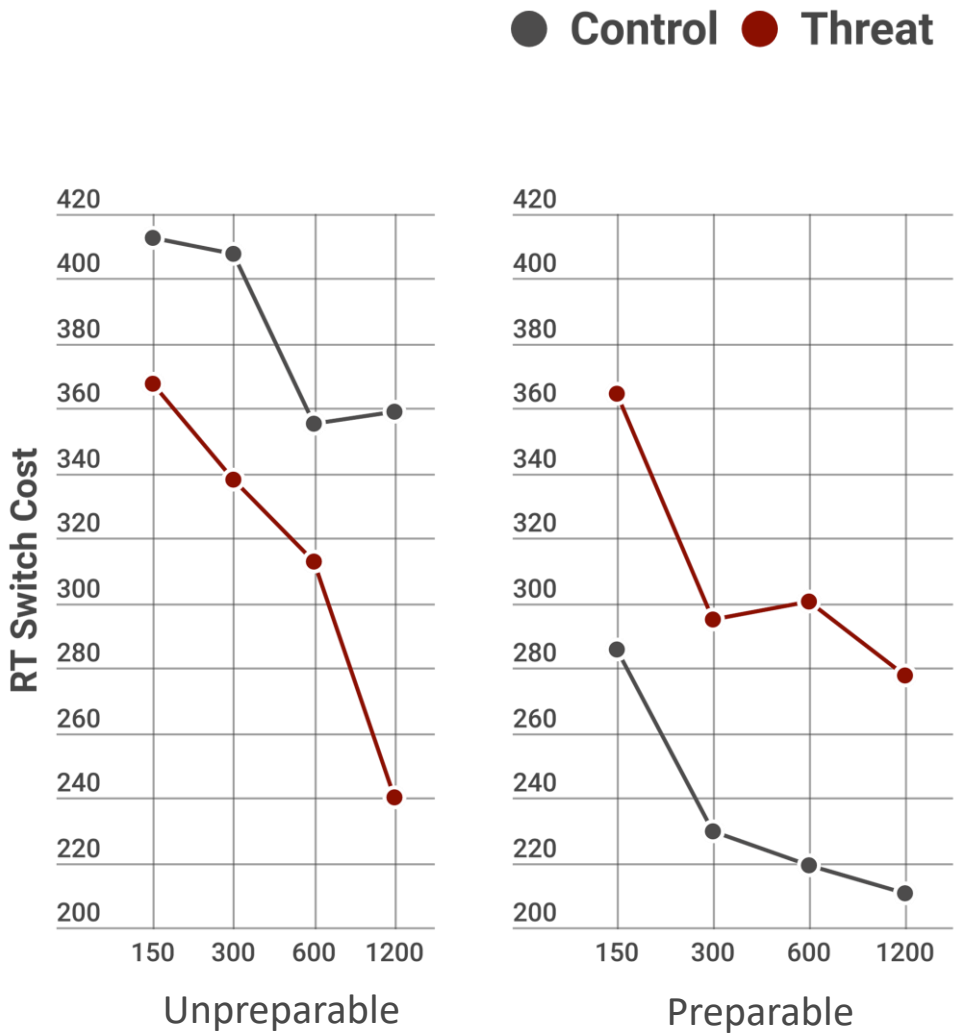
Study 1



$F(1,380)=13.740$, $p<.001$



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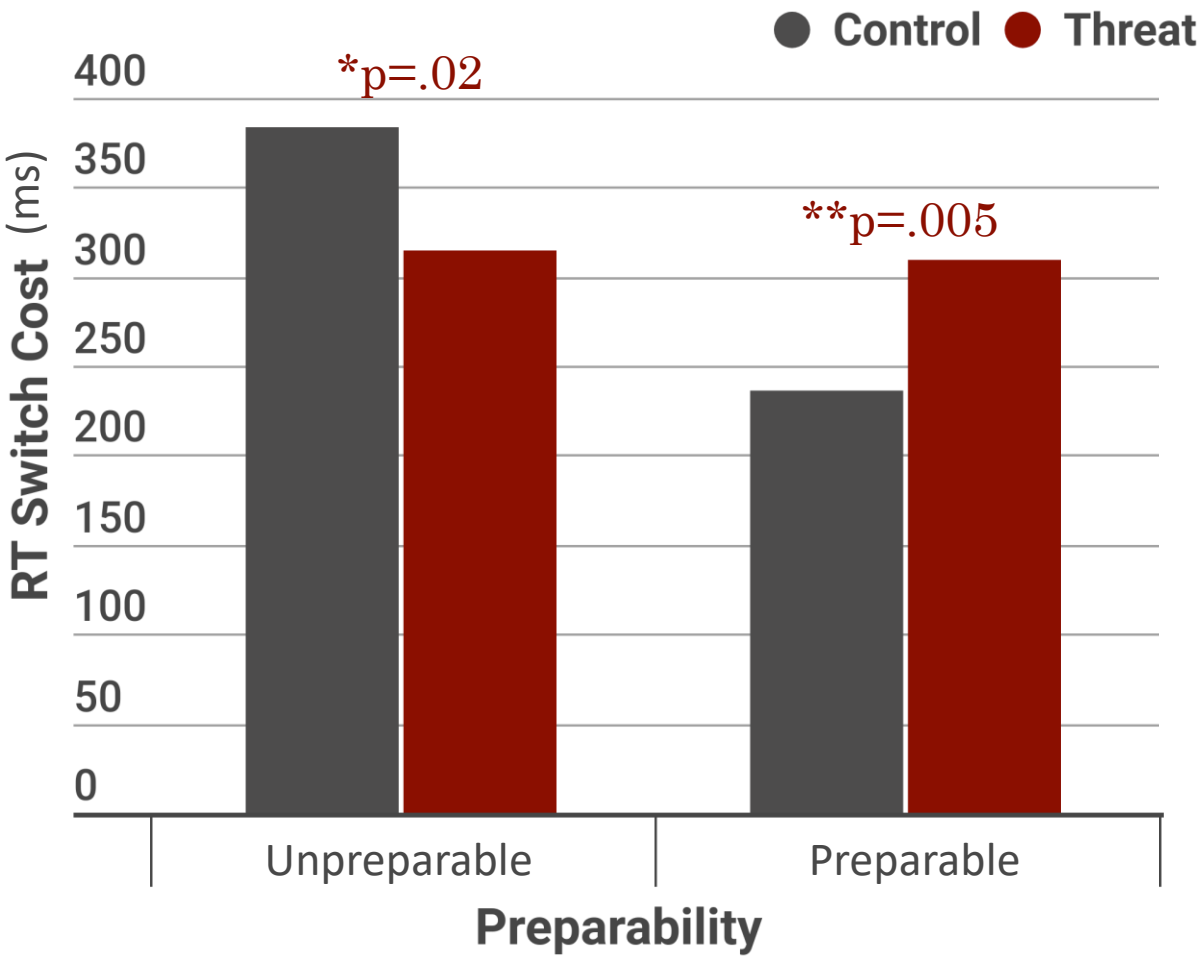
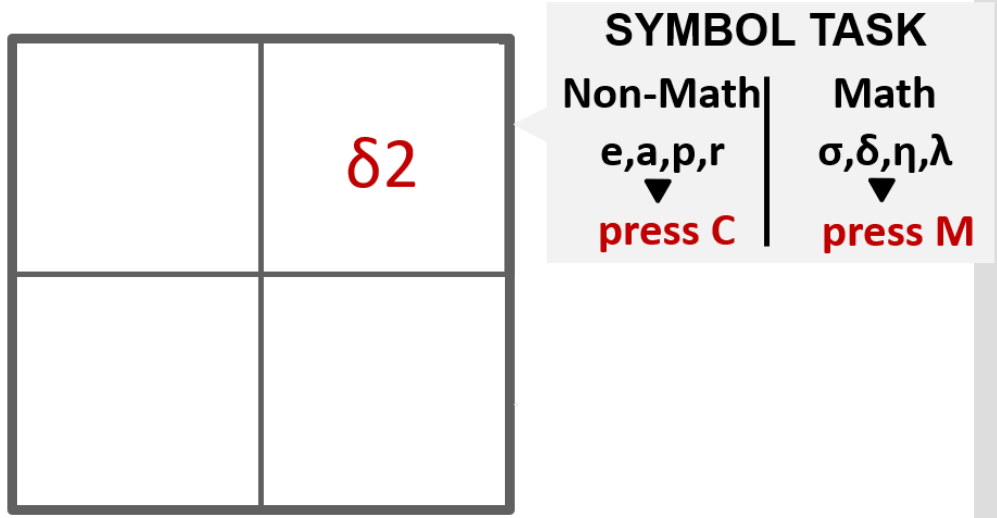
Study 1





$F(1,380)=13.740$, $p<.001$

(Barber & Mather, 2013)

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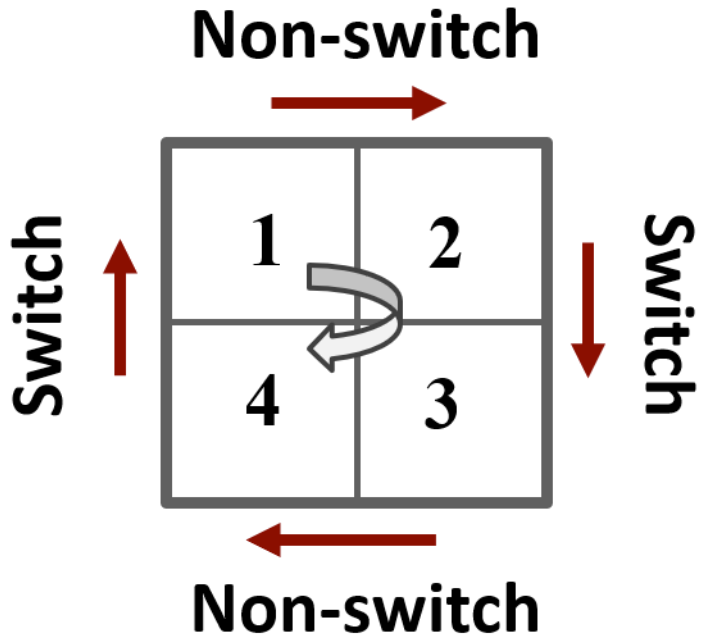
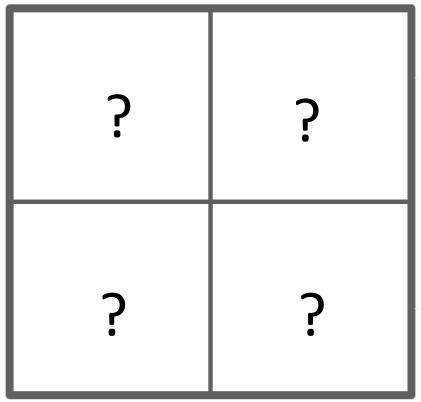
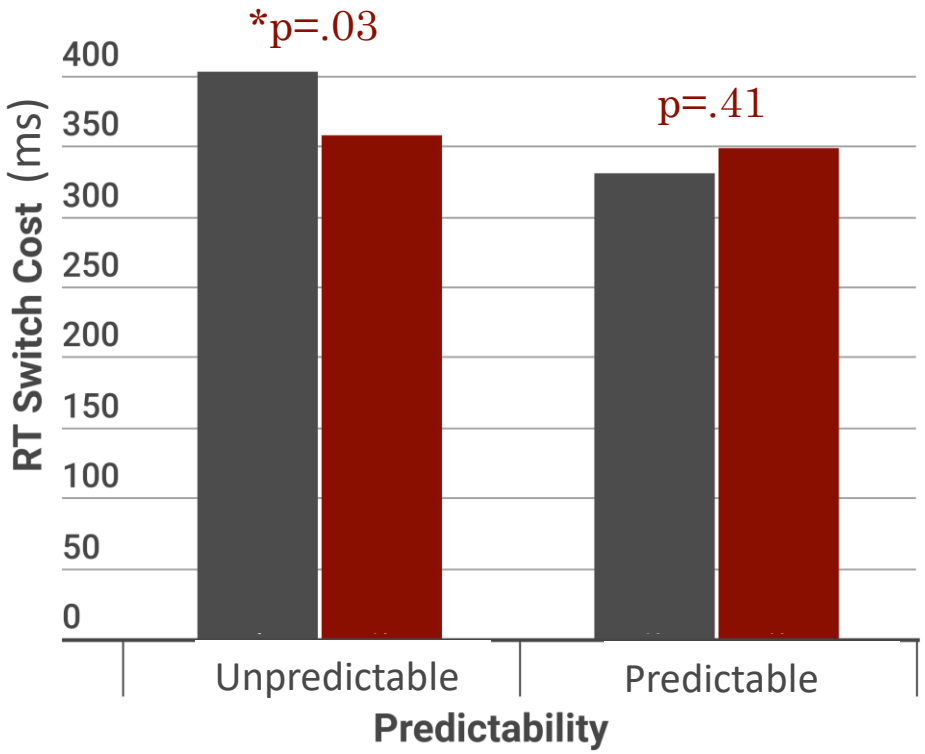
Study 2



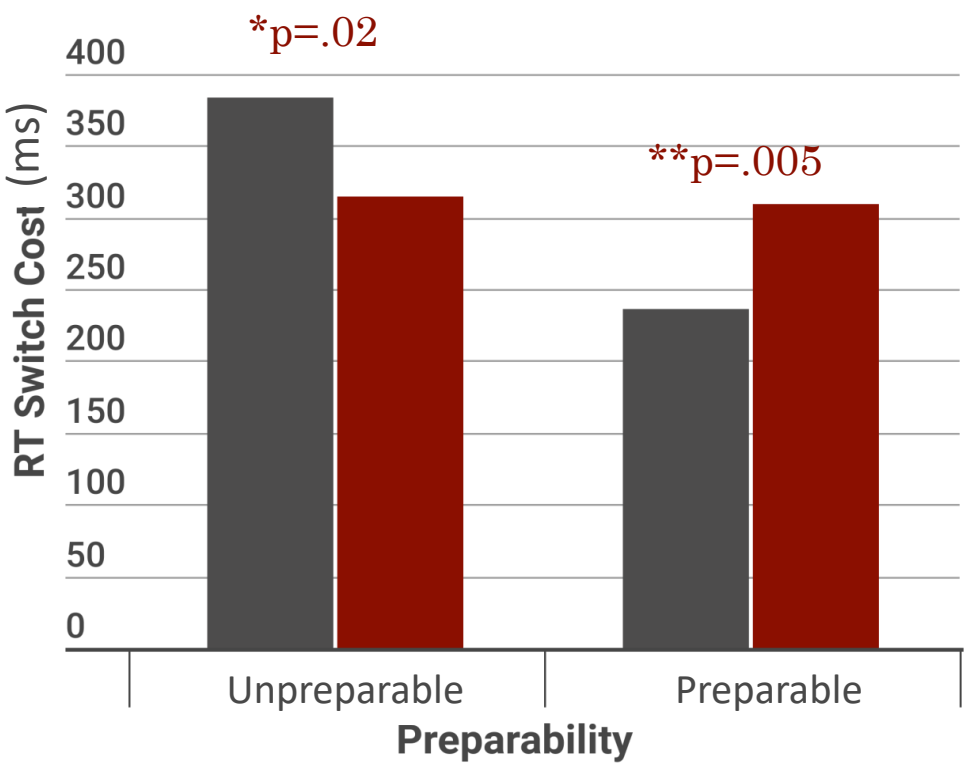
V.S.



Study 2 vs Study 1



$F(1,1465)=4.466$, p=.035



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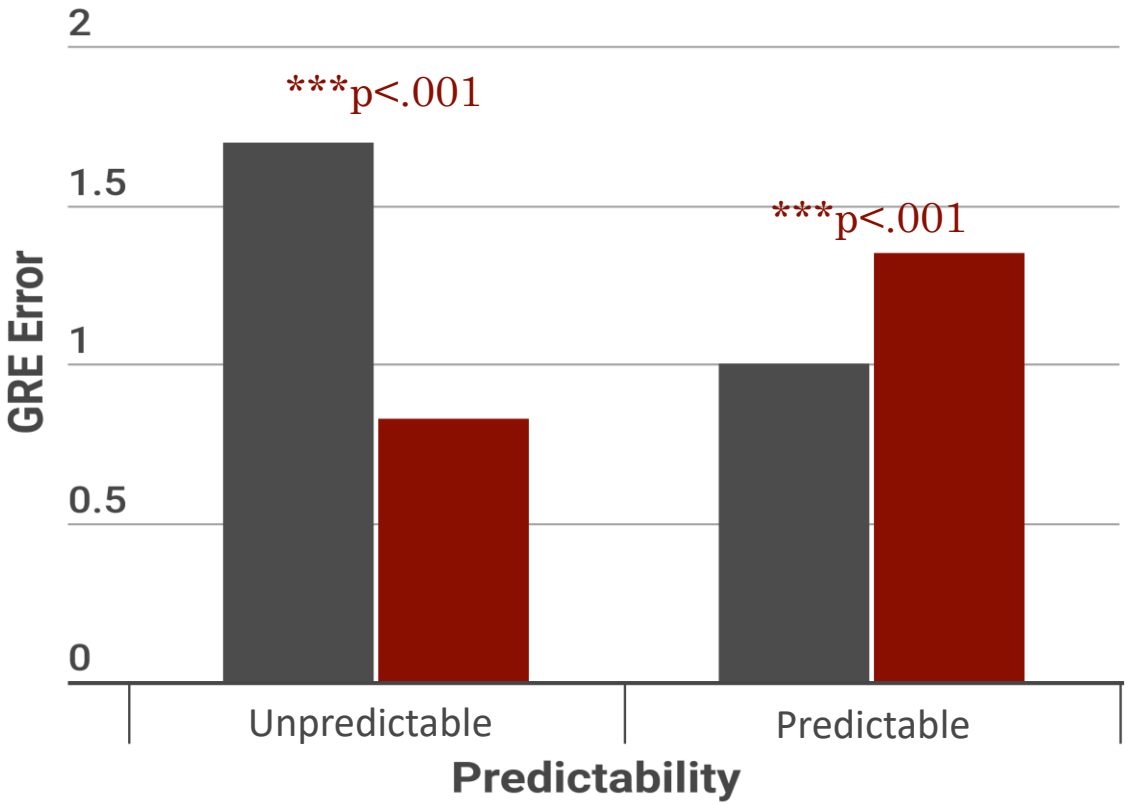
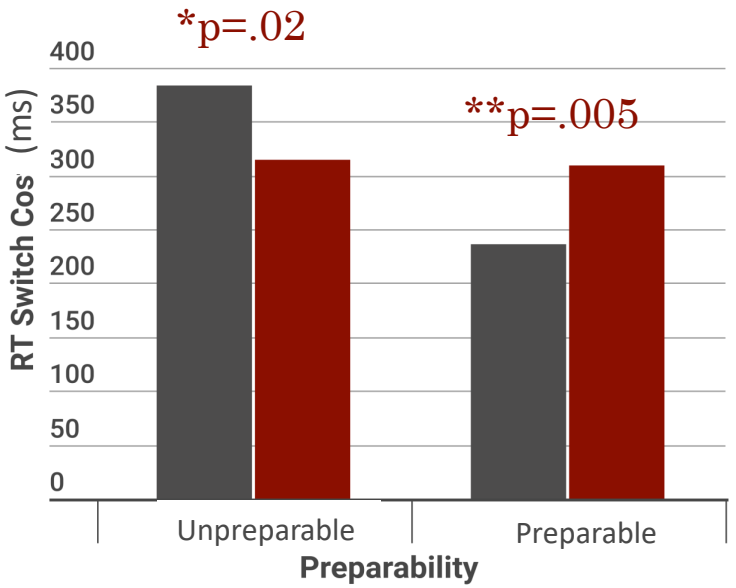
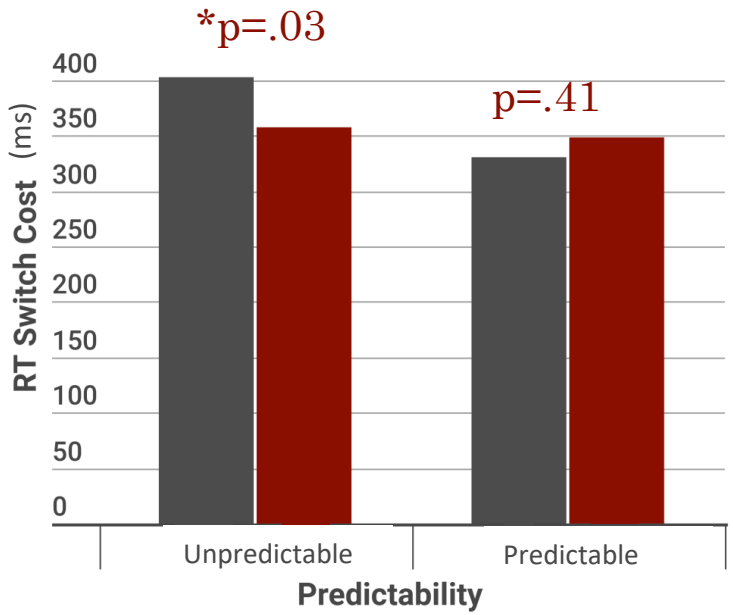
Other results







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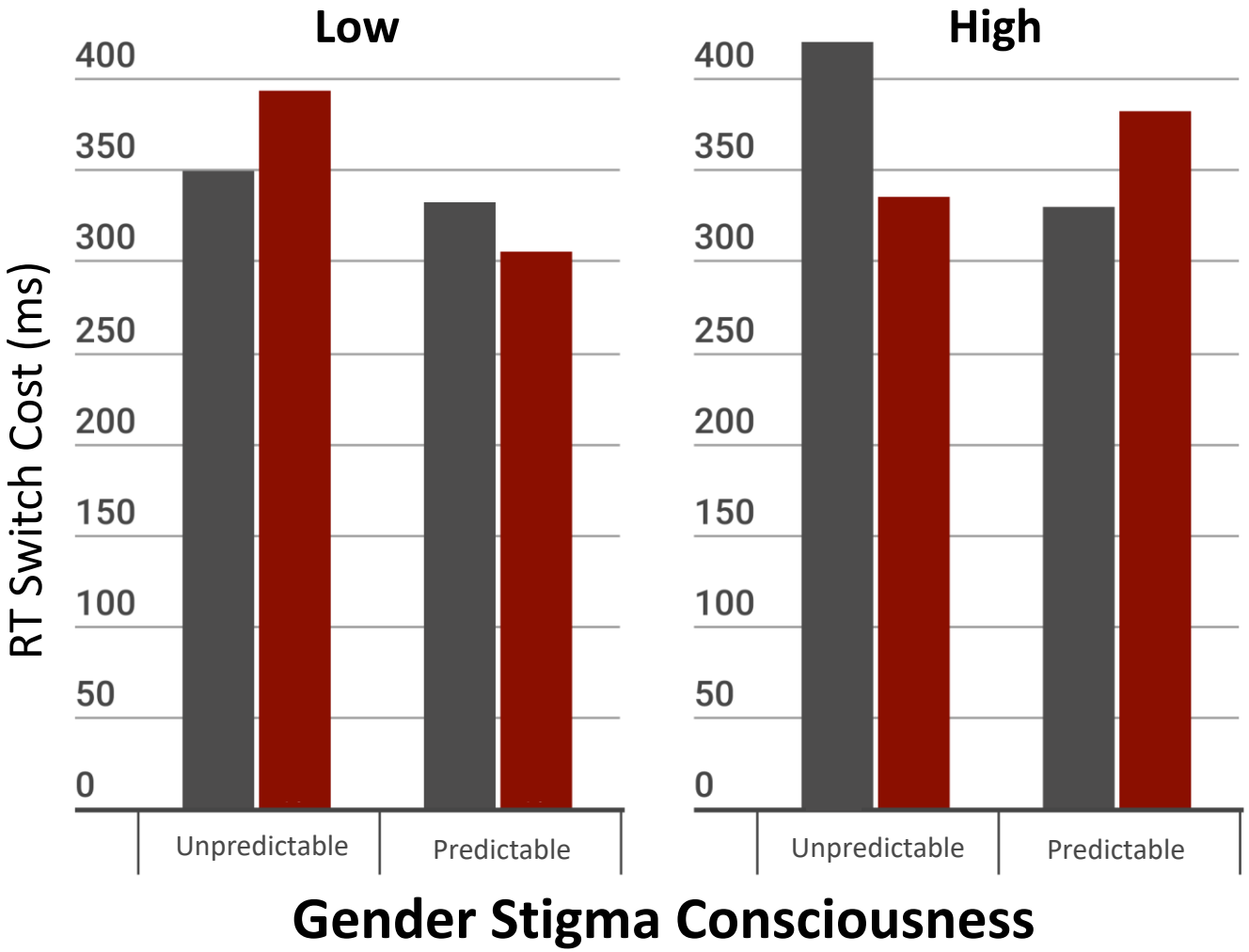

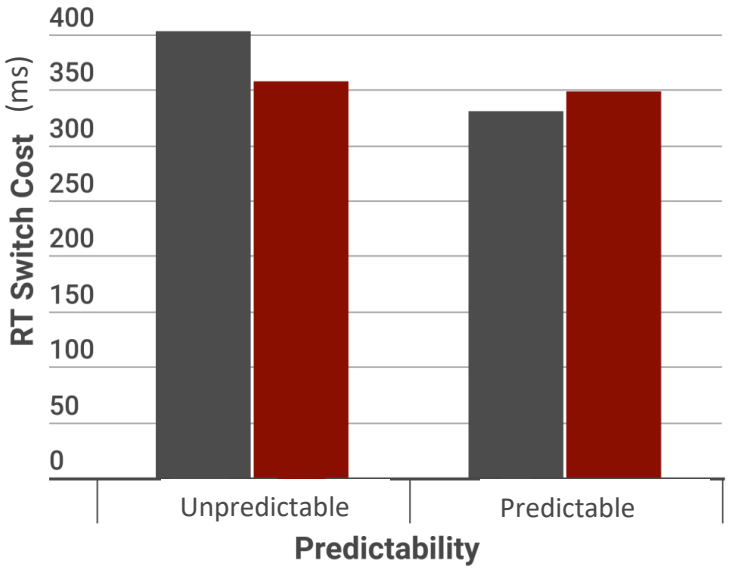

$F(1,1465)=4.466$, p=.035

(Pinel, 1999)

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Thank you.

- Samantha Shang, Wake Forest University
- Pufan Huang, Beijing Normal University
- Alice Kathmandu, Stanford University
- Bruce McCandliss, Stanford University
- Geoffrey Cohen, Stanford University

Thank you.

Questions?