This file documents the significant differences in success rates between the 5 potential LLM prompts on each PSB2 question. See Section 5.3.2 for the discussion and interpretation of these results.

Row 1 refers to Basement,

Row 2 refers to Bouncing Balls,

Row 3 refers to Bowling, and so on.

…

Condition 1 refers to the prompt named Austin

Condition 2 refers to the prompt named ChenEqual

Condition 3 refers to the prompt named ChenReturns

Condition 4 refers to the prompt named SharlinCSV

Condition 5 refers to the prompt named SharlinBars

…

$`Row 1`$adjusted\_p\_values

Condition 1 vs 2 Condition 1 vs 3 Condition 1 vs 4 Condition 1 vs 5 Condition 2 vs 3 Condition 2 vs 4

1 1 1 1 1 1

Condition 2 vs 5 Condition 3 vs 4 Condition 3 vs 5 Condition 4 vs 5

1 1 1 1

$`Row 2`$adjusted\_p\_values

Condition 1 vs 2 Condition 1 vs 3 Condition 1 vs 4 Condition 1 vs 5 Condition 2 vs 3 Condition 2 vs 4

1 1 1 1 1 1

Condition 2 vs 5 Condition 3 vs 4 Condition 3 vs 5 Condition 4 vs 5

1 1 1 1

$`Row 3`$adjusted\_p\_values

Condition 1 vs 2 Condition 1 vs 3 Condition 1 vs 4 Condition 1 vs 5 Condition 2 vs 3 Condition 2 vs 4

1 1 1 1 1 1

Condition 2 vs 5 Condition 3 vs 4 Condition 3 vs 5 Condition 4 vs 5

1 1 1 1

$`Row 4`$adjusted\_p\_values

Condition 1 vs 2 Condition 1 vs 3 Condition 1 vs 4 Condition 1 vs 5 Condition 2 vs 3 Condition 2 vs 4

1 1 1 1 1 1

Condition 2 vs 5 Condition 3 vs 4 Condition 3 vs 5 Condition 4 vs 5

1 1 1 1

$`Row 5`$adjusted\_p\_values

Condition 1 vs 2 Condition 1 vs 3 Condition 1 vs 4 Condition 1 vs 5 Condition 2 vs 3 Condition 2 vs 4

1 1 1 1 1 1

Condition 2 vs 5 Condition 3 vs 4 Condition 3 vs 5 Condition 4 vs 5

1 1 1 1

$`Row 6`$adjusted\_p\_values

Condition 1 vs 2 Condition 1 vs 3 Condition 1 vs 4 Condition 1 vs 5 Condition 2 vs 3 Condition 2 vs 4

1 1 1 1 1 1

Condition 2 vs 5 Condition 3 vs 4 Condition 3 vs 5 Condition 4 vs 5

1 1 1 1

$`Row 7`$adjusted\_p\_values

Condition 1 vs 2 Condition 1 vs 3 Condition 1 vs 4 Condition 1 vs 5 Condition 2 vs 3 Condition 2 vs 4

1 1 1 1 1 1

Condition 2 vs 5 Condition 3 vs 4 Condition 3 vs 5 Condition 4 vs 5

1 1 1 1

$`Row 8`$adjusted\_p\_values

Condition 1 vs 2 Condition 1 vs 3 Condition 1 vs 4 Condition 1 vs 5 Condition 2 vs 3 Condition 2 vs 4

1 1 1 1 1 1

Condition 2 vs 5 Condition 3 vs 4 Condition 3 vs 5 Condition 4 vs 5

1 1 1 1

$`Row 9`$adjusted\_p\_values

Condition 1 vs 2 Condition 1 vs 3 Condition 1 vs 4 Condition 1 vs 5 Condition 2 vs 3 Condition 2 vs 4

1.0000000 1.0000000 0.2019602 1.0000000 1.0000000 0.7318087

Condition 2 vs 5 Condition 3 vs 4 Condition 3 vs 5 Condition 4 vs 5

1.0000000 0.7318087 1.0000000 0.2019602

$`Row 10`$adjusted\_p\_values

Condition 1 vs 2 Condition 1 vs 3 Condition 1 vs 4 Condition 1 vs 5 Condition 2 vs 3 Condition 2 vs 4

1 1 1 1 1 1

Condition 2 vs 5 Condition 3 vs 4 Condition 3 vs 5 Condition 4 vs 5

1 1 1 1

$`Row 11`$adjusted\_p\_values

Condition 1 vs 2 Condition 1 vs 3 Condition 1 vs 4 Condition 1 vs 5 Condition 2 vs 3 Condition 2 vs 4

1.0000000000 1.0000000000 0.0004509515 0.0229320229 1.0000000000 0.0004509515

Condition 2 vs 5 Condition 3 vs 4 Condition 3 vs 5 Condition 4 vs 5

0.0229320229 0.0004509515 0.0229320229 1.0000000000

$`Row 12`$adjusted\_p\_values

Condition 1 vs 2 Condition 1 vs 3 Condition 1 vs 4 Condition 1 vs 5 Condition 2 vs 3 Condition 2 vs 4

1 1 1 1 1 1

Condition 2 vs 5 Condition 3 vs 4 Condition 3 vs 5 Condition 4 vs 5

1 1 1 1

$`Row 13`$adjusted\_p\_values

Condition 1 vs 2 Condition 1 vs 3 Condition 1 vs 4 Condition 1 vs 5 Condition 2 vs 3 Condition 2 vs 4

1 1 1 1 1 1

Condition 2 vs 5 Condition 3 vs 4 Condition 3 vs 5 Condition 4 vs 5

1 1 1 1

$`Row 14`$adjusted\_p\_values

Condition 1 vs 2 Condition 1 vs 3 Condition 1 vs 4 Condition 1 vs 5 Condition 2 vs 3 Condition 2 vs 4

1 1 1 1 1 1

Condition 2 vs 5 Condition 3 vs 4 Condition 3 vs 5 Condition 4 vs 5

1 1 1 1

$`Row 15`$adjusted\_p\_values

Condition 1 vs 2 Condition 1 vs 3 Condition 1 vs 4 Condition 1 vs 5 Condition 2 vs 3 Condition 2 vs 4

1 1 1 1 1 1

Condition 2 vs 5 Condition 3 vs 4 Condition 3 vs 5 Condition 4 vs 5

1 1 1 1

$`Row 16`$adjusted\_p\_values

Condition 1 vs 2 Condition 1 vs 3 Condition 1 vs 4 Condition 1 vs 5 Condition 2 vs 3 Condition 2 vs 4

1 1 1 1 1 1

Condition 2 vs 5 Condition 3 vs 4 Condition 3 vs 5 Condition 4 vs 5

1 1 1 1

$`Row 17`$adjusted\_p\_values

Condition 1 vs 2 Condition 1 vs 3 Condition 1 vs 4 Condition 1 vs 5 Condition 2 vs 3 Condition 2 vs 4

1 1 1 1 1 1

Condition 2 vs 5 Condition 3 vs 4 Condition 3 vs 5 Condition 4 vs 5

1 1 1 1

$`Row 18`$adjusted\_p\_values

Condition 1 vs 2 Condition 1 vs 3 Condition 1 vs 4 Condition 1 vs 5 Condition 2 vs 3 Condition 2 vs 4

1 1 1 1 1 1

Condition 2 vs 5 Condition 3 vs 4 Condition 3 vs 5 Condition 4 vs 5

1 1 1 1

$`Row 19`$adjusted\_p\_values

Condition 1 vs 2 Condition 1 vs 3 Condition 1 vs 4 Condition 1 vs 5 Condition 2 vs 3 Condition 2 vs 4

1 1 1 1 1 1

Condition 2 vs 5 Condition 3 vs 4 Condition 3 vs 5 Condition 4 vs 5

1 1 1 1

$`Row 20`$adjusted\_p\_values

Condition 1 vs 2 Condition 1 vs 3 Condition 1 vs 4 Condition 1 vs 5 Condition 2 vs 3 Condition 2 vs 4

1 1 1 1 1 1

Condition 2 vs 5 Condition 3 vs 4 Condition 3 vs 5 Condition 4 vs 5

1 1 1 1

$`Row 21`$adjusted\_p\_values

Condition 1 vs 2 Condition 1 vs 3 Condition 1 vs 4 Condition 1 vs 5 Condition 2 vs 3 Condition 2 vs 4

1 1 1 1 1 1

Condition 2 vs 5 Condition 3 vs 4 Condition 3 vs 5 Condition 4 vs 5

1 1 1 1

$`Row 22`$adjusted\_p\_values

Condition 1 vs 2 Condition 1 vs 3 Condition 1 vs 4 Condition 1 vs 5 Condition 2 vs 3 Condition 2 vs 4

8.733428e-03 3.441404e-02 4.180867e-02 4.213611e-01 1.000000e+00 5.818065e-08

Condition 2 vs 5 Condition 3 vs 4 Condition 3 vs 5 Condition 4 vs 5

5.452925e-01 5.237564e-07 8.149688e-01 8.016916e-05

$`Row 23`$adjusted\_p\_values

Condition 1 vs 2 Condition 1 vs 3 Condition 1 vs 4 Condition 1 vs 5 Condition 2 vs 3 Condition 2 vs 4

1 1 1 1 1 1

Condition 2 vs 5 Condition 3 vs 4 Condition 3 vs 5 Condition 4 vs 5

1 1 1 1

$`Row 24`$adjusted\_p\_values

Condition 1 vs 2 Condition 1 vs 3 Condition 1 vs 4 Condition 1 vs 5 Condition 2 vs 3 Condition 2 vs 4

1 1 1 1 1 1

Condition 2 vs 5 Condition 3 vs 4 Condition 3 vs 5 Condition 4 vs 5

1 1 1 1

$`Row 25`$adjusted\_p\_values

Condition 1 vs 2 Condition 1 vs 3 Condition 1 vs 4 Condition 1 vs 5 Condition 2 vs 3 Condition 2 vs 4

1 1 1 1 1 1

Condition 2 vs 5 Condition 3 vs 4 Condition 3 vs 5 Condition 4 vs 5

1 1 1 1