Final project Visual Thinking and Composition

Leaning to the left makes the Eiffel Tower seem smaller

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Original paper: Leaning to the Left Makes the Eiffel Tower Seem Smaller: Posture-Modulated Estimation

Eerland, A., Guadalupe, T. M., & Zwaan, R. A. (2011). Leaning to the left makes the Eiffel Tower seem smaller: Posture-modulated estimation. *Psychological Science*, *22*(12), 1511-1514.

https://journals.sagepub.com/doi/pdf/10.1177/0956797611420731

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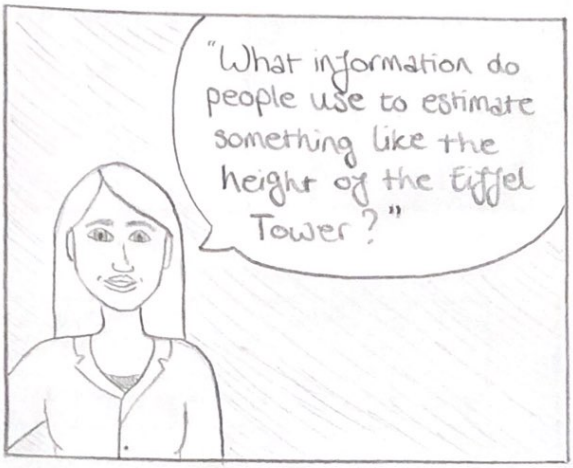
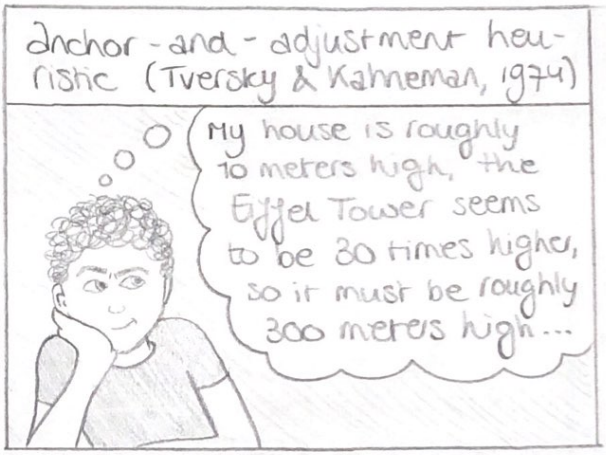
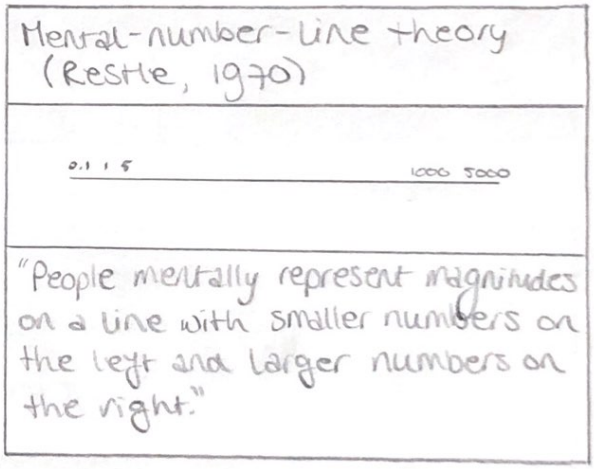
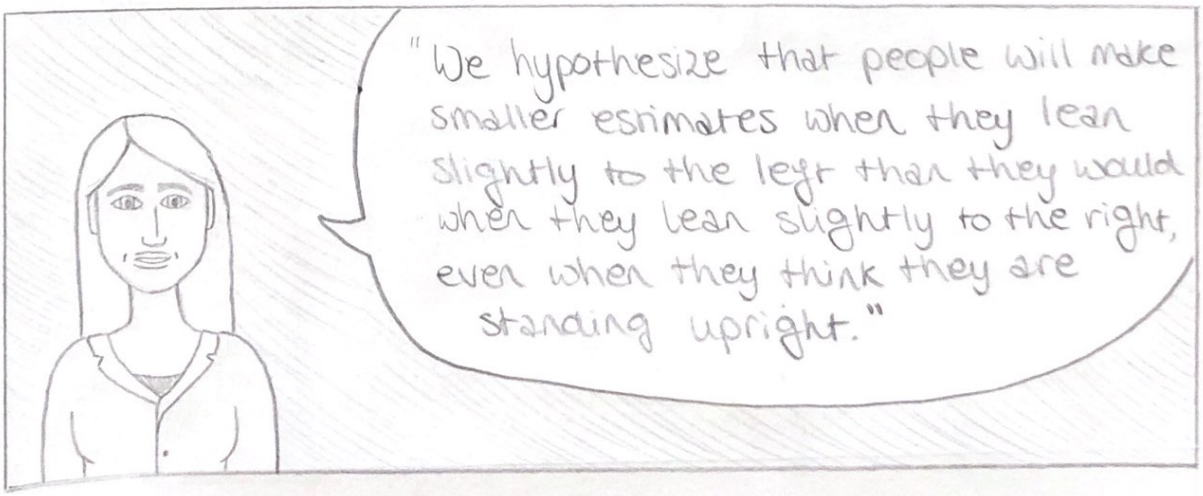
Leaning to the left makes the Eiffel Tower seem smaller: Posture-modulated estimation - J. Eerland, T.M. Guadalupe & R.A. Zwaan



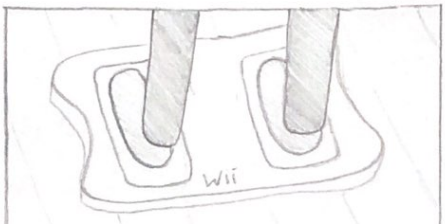






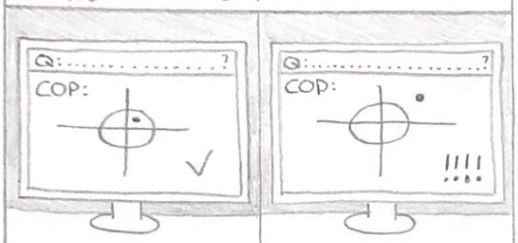
EXPER-
IMENT
1

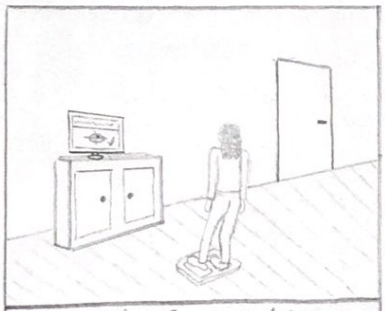
33 students who were right-handed, randomly assigned to 1 of 6 lists



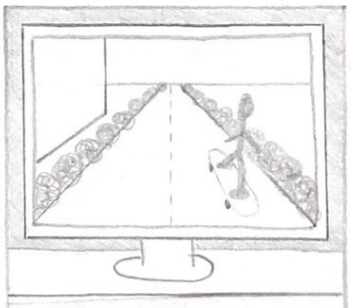
Wii Balance Board measured participants' center of pressure (COP)

39 QUESTIONS WHILE STANDING ON THE BALANCE BOARD, COP WAS SHOWED ON A COMPUTER SCREEN



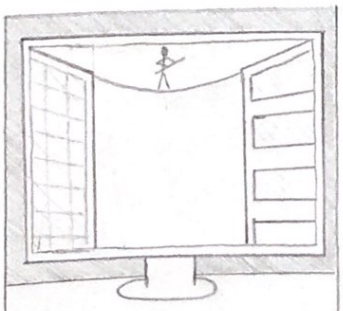


13 questions, e.g. 'How many languages exist?'

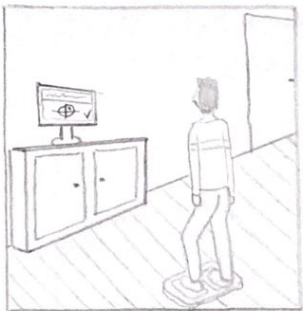


Balance Game

13 questions, e.g. 'What is the percentage of alcohol in traditional vodka?'



Balance Game

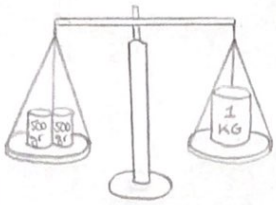


13 questions, e.g. 'What is the height of the Eiffel Tower?'

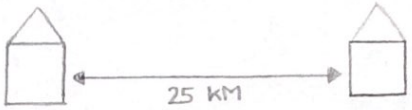
Leaning left vs. leaning right

EXPERIMENT 2

The questions in experiment 1 had diverse dimensions.



40% alcohol



The questions in experiment 2 had answers between 1 and 10

Results:

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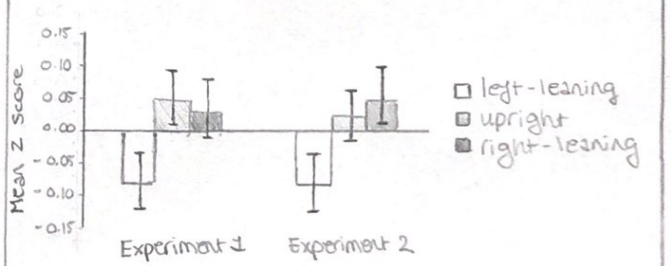

Fig. 1. Mean z-scores for participants' estimates in the three posture conditions (Eerland, Guadalupe & Zwaan, 2011, p. 1572).