

IE-341

Section 1, CRN: 30512/513/514

Section 2, CRN: 30515/516/517

Section 3, CRN: 38299/300/301

Section 4, CRN: 65886/887/888

First Semester 1438-39 H (Fall-2017) – 3(2,1,2)

“HUMAN FACTORS ENGINEERING”

Sunday, October 29, 2017 (09/02/1439H)

Tutorial 4: Memory – Compatibility

Name:	Student Number: 43	Section: Mon@8/ Mon@10 / Tu / Wed
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Answer ALL of the following questions

Part 1 – Working Memory

- a) Run the “number memory test”: <https://www.humanbenchmark.com/tests/number-memory>

How much did you score? Why do you think this is so?

- b) Now, run the “verbal memory test”:

<https://www.humanbenchmark.com/tests/verbal-memory>

How much did you score? Why do you think this is so?

Did you score more on the on the number or verbal tests and why (BONUS if you can show proof of this)?

Part 2 – Compatibility

- a) Spatial compatibility: Run the “The Simon Task” (stimulus-response compatibility): http://www.psytoolkit.org/lessons/experiment_compatibility.html

Which trials do you expect should have a shorter RT? Why is this important?

Note, be patient; the test consists of many trials, in order to produce an acceptable result.

- b) Stroop Test (test for color compatibility): http://www.psytoolkit.org/lessons/experiment_stroop.html

What is meant by congruent and incongruent trials? Why is this important?

Note, be patient; the test consists of many trials, in order to produce an acceptable result.