Histogram and density plot for executive functions tasks (raw data) Stop Signal Antisaccade Stroop 0.005 0.0075 0.004 0.010 density density 0.003 density 0.0050 0.005 0.0025 0.001 0.0000 0.000 0.000 500 700 100 400 500 600 200 300 400 -100100 200 300 400 0 Stop Signal response time (ms) Mean response time (ms) Inhibition cost (ms) Dual n-back **Letter Memory** Keep Track 8 6 density density 5 density 4 2 0.7 0.6 8.0 1.0 0.25 0.50 0.75 1.00 0.5 0.6 8.0 0.9 Percentage of correct responses Percentage of correct responses Percentage of correct responses **Category Switch** Color Shape **Number Letter** 0.003 0.006 0.004 density 0.004 ^J 0.003 0.002 density density 0.002 0.001 0.002 0.001 0.000 0.000 0.000 **-100** 200 300 200 400 600 500 400 500 0 100 1000 0 Switching cost (ms) Switching cost (ms) Switching cost (ms)