Tables

Table 1. Summary statistics of demographic and psychometric information. Student's two-sample *t*-tests were used for group comparisons.

Demographic information		Consistent	Inconsistent	Two-sar	mple <i>t</i> -test
		Mean (STD)	Mean (STD)	t-score	<i>p</i> -value
Age		23.58 (2.47)	23.09 (3.13)	0.60	0.55
Education (years)		14.69 (1.61)	14.96 (1.85)	-0.52	0.60
BFI-10	Extraversion	3.48 (0.86)	3.09 (0.97)	1.46	0.15
	Agreeableness	3.48 (0.58)	3.2 (0.84)	1.33	0.19
	Conscientiousness	3.19 (0.76)	3.0 (0.82)	0.83	0.41
	Neuroticism	3.21 (0.79)	3.11 (0.9)	0.42	0.68
	Openness to experience	3.69 (0.83)	3.48 (0.89)	0.85	0.40
MDMQ	Good-Bad	18.31 (2.41)	16.78 (2.84)	1.97	0.06
	Awake-Tired Calm-Nervous	17.54 (2.68)	17.39 (2.53)	0.19	0.85
		21.69 (3.1)	20.22 (2.78)	1.72	0.09
VAS		3.62 (1.92)	4.25 (1.85)	-1.15	0.26
SMS PHQ-9 PSS EHI (%)		61.31 (12.33)	59.35 (14.74)	0.49	0.63
		2.11 (1.75)	1.96 (1.33)	0.44	0.66
		12.85 (3.63)	14.61 (4.44)	-1.48	0.15
		95.59 (5.85)	93.90 (6.85)	0.91	0.37

STD, standard deviation; BFI-10, Big Five Inventory10; MDMQ, Multidimensional Mood State Questionnaire (Multidimensionaler Befindlichkeitsfragebogen, MDBF, in German); VAS, Visual Analog scale; SMS, State Mindfulness Scale; PHQ, Patient Health Questionnaire; PSS, Perceived Stress Scale; EHI, Edinburgh Handedness Inventory.

Table 2. Summary statistics of MAAS scores on the interview day and the MRI session day along with the average for each group. Student's two-sample *t*-tests were used for group comparisons.

	Interview day		MRI session day		Average	
•	Consistent	Inconsistent	Consistent	Inconsistent	Consistent	Inconsistent
Mean	69.9	67.3	66.3	61.0	68.1	64.2
STD	8.1	9.7	8.2	8.6	7.8	8.7
t-score	0.991		2.164		1.636	
(p-value)	(0.327)		$(0.036)^*$		(0.108)	

STD, standard deviation; *, p < 0.05

Table 3. Number of correct trials in each run (mean \pm STD). The total number of trials was 85 in each of the MF and MW runs. A potential group difference in the number of correct trials was evaluated using a two-sample *t*-test.

	Consistent group	Inconsistent group	<i>t</i> -score (<i>p</i> -value)
MF run	67.2 ± 8.7	67.0 ± 11.53	0.04 (0.97)
MW run	66.9 ± 10.2	67.3 ± 10.6	-0.14 (0.89)

STD, standard deviation; MF, mindfulness; MW, mind-wandering

Table 4. Linear regression on the behavior data from the NBT performance and MAAS scores. Slopes and p-values (in parentheses) are denoted. The linear regression was performed using two different threshold values (the 60^{th} and the 70^{th} percentile) to define the consistent and inconsistent groups by comparing two sets of the 15-item MAAS data.

60 th percentile	Interview day		MRI session day		Average	
	Consistent	Inconsistent	Consistent	Inconsistent	Consistent	Inconsistent
ACC_MF	0.361 (0.32)	0.240 (0.33)	0.723 (0.03)*	0.298 (0.26)	0.591 (0.11)	0.298 (0.27)
ACC_MW	-0.293 (0.52)	0.245 (0.27)	0.319 (0.49)	0.306 (0.21)	0.013 (0.98)	0.305 (0.22)
Δ Accuracy	0.655 (0.005)**	-0.005 (0.96)	0.404 (0.11)	-0.007 (0.95)	0.578 (0.024)*	-0.007 (0.96)
RT_MF	-0.006 (0.17)	-0.003 (0.45)	-0.003 (0.51)	0.000 (0.82)	-0.005 (0.30)	-0.001 (0.77)
RT_MW	-0.003 (0.50)	-0.001 (0.57)	-0.001 (0.77)	-0.000 (0.99)	-0.003 (0.61)	-0.001 (0.75)
Δ RT	-0.003 (0.22)	-0.001 (0.71)	-0.002 (0.53)	0.000 (0.78)	-0.003 (0.34)	-0.000 (0.95)
70 th percentile	Interview day		MRI session day		Average	
	Consistent	Inconsistent	Consistent	Inconsistent	Consistent	Inconsistent
ACC_MF	0.177 (0.49)	0.294 (0.33)	0.353 (0.16)	0.389 (0.26)	0.290 (0.28)	0.373 (0.27)
ACC_MW	-0.242 (0.43)	0.343 (0.22)	0.165 (0.58)	0.362 (0.25)	-0.039 (0.90)	0.390 (0.21)
Δ Accuracy	0.419 (0.011)*	-0.048 (0.72)	0.188 (0.28)	0.026 (0.86)	0.329 (0.06)	-0.017 (0.91)
RT_MF	-0.008 (0.05)	-0.000 (0.83)	-0.002 (0.65)	0.000 (0.98)	-0.005 (0.22)	-0.001 (0.92)
RT_MW	-0.004 (0.20)	-0.000 (0.79)	-0.003 (0.45)	0.000 (0.99)	-0.004 (0.29)	-0.001 (0.89)
Δ RT	-0.004 (0.18)	-0.000 (0.99)	0.000 (0.80)	0.000 (0.99)	-0.002 (0.58)	0.000 (0.99)

^{*} p < 0.05, ** p < 0.01, corrected using 10,000 random permutations.

Consistent group (N = 18), Inconsistent group (N = 31) using the 60^{th} percentile threshold; Consistent group (N = 26), Inconsistent group (N = 23) using the 70^{th} percentile; ACC, accuracy; MF, mindfulness; MW, mind-wandering; RT, response time