Cognitive Composite Score (Prospective) Location **Scale** RQ2a: Loneliness RQ2a: Loneliness 15 10 Density 5 -0.10.1 -0.50-0.25 0.00 0.25 0.50 0.0 WP Assoc. WP Assoc. RQ2c: Loneliness x Social RQ2c: Loneliness x Social Interaction Recency Interaction Recency 100 **75** Density 50 25 0 -0.30-0.15 0.00 0.15 0.30 -0.020.010.000.01 0.02 WP Assoc. WP Assoc. RQ2d: Loneliness x Social RQ2d: Loneliness x Social Interaction Quality Interaction Quality 40 **Density** 20

3

2

1

0

60

40

20

0

12

8

4

-0.30-0.15 0.00 0.15

WP Assoc.

0.30

Density

Density

Density

-0.020.010.000.01 0.02

WP Assoc.