

## Dependence on average and maximum age

### Average age

Table 1 shows the average age dependence of all observables, and the age dependence of variables  $r$ ,  $x$ ,  $y$  is also graphically shown in figure 1, while that of  $V$  is shown in figure 2 (left panels).

Table 1: Observable dependence on average age for dyads. Lengths in millimetres, times in seconds.

Average age	$N_g^k$	$V$	$r$	$x$	$y$
10-19 years	60	1147 ± 34 ( $\sigma=264$ )	865 ± 43 ( $\sigma=332$ )	575 ± 20 ( $\sigma=158$ )	496 ± 57 ( $\sigma=445$ )
20-29 years	370	1181 ± 9.2 ( $\sigma=178$ )	793 ± 12 ( $\sigma=226$ )	662 ± 8.1 ( $\sigma=155$ )	313 ± 14 ( $\sigma=274$ )
30-39 years	269	1213 ± 12 ( $\sigma=199$ )	831 ± 14 ( $\sigma=234$ )	670 ± 11 ( $\sigma=174$ )	360 ± 18 ( $\sigma=302$ )
40-49 years	195	1172 ± 13 ( $\sigma=183$ )	852 ± 17 ( $\sigma=232$ )	674 ± 12 ( $\sigma=167$ )	387 ± 23 ( $\sigma=316$ )
50-59 years	114	1157 ± 18 ( $\sigma=194$ )	825 ± 20 ( $\sigma=217$ )	650 ± 15 ( $\sigma=159$ )	376 ± 30 ( $\sigma=317$ )
60-69 years	69	1032 ± 20 ( $\sigma=168$ )	875 ± 40 ( $\sigma=332$ )	635 ± 20 ( $\sigma=163$ )	467 ± 50 ( $\sigma=416$ )
≥ 70 years	12	886 ± 29 ( $\sigma=99.8$ )	786 ± 79 ( $\sigma=275$ )	588 ± 19 ( $\sigma=66.6$ )	385 ± 100 ( $\sigma=363$ )
$F_{6,1082}$		13.2	2.26	3.79	4.75
$p$		< $10^{-8}$	0.036	0.000955	$8.72 \cdot 10^{-5}$
$R^2$		0.0681	0.0124	0.0206	0.0257
$\delta$		1.67	0.275	0.598	0.603

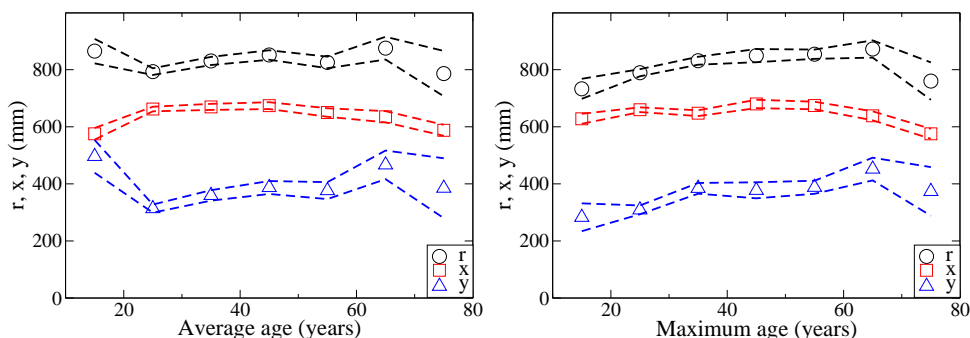


Figure 1:  $r$  (black and circles),  $x$  (red and squares) and  $y$  (blue and triangles) dependence on average (left) and maximum (right) age. Dashed lines provide standard error confidence bars. The point at 75 years corresponds to the “70 years or more” slot.

### Maximum age

Table 2 shows the average age dependence of all observables, and the age dependence of variables  $r$ ,  $x$ ,  $y$  is also graphically shown in figure 1, while that of  $V$  is shown in figure

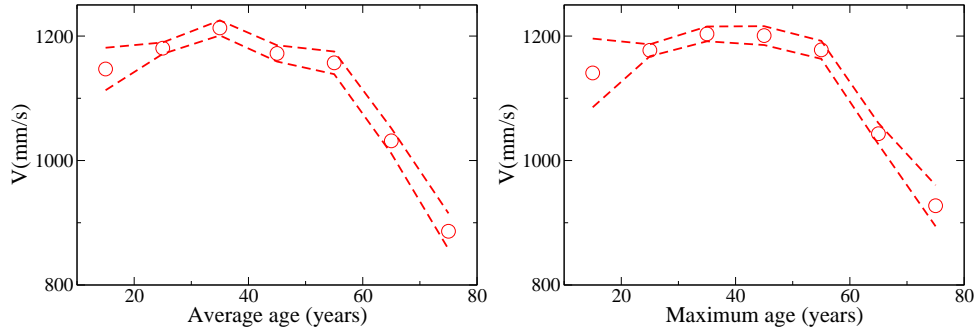


Figure 2:  $V$  dependence on average (left) and maximum (right) age. Dashed lines provide standard error confidence bars. The point at 75 years corresponds to the “70 years or more” slot.

2 (right panels).

Table 2: Observable dependence on maximum age for dyads. Lengths in millimetres, times in seconds.

Maximum age	$N_g^k$	$V$	$r$	$x$	$y$
10-19 years	28	$1141 \pm 55$ ( $\sigma=292$ )	$733 \pm 35$ ( $\sigma=186$ )	$628 \pm 17$ ( $\sigma=92.5$ )	$283 \pm 49$ ( $\sigma=258$ )
20-29 years	327	$1177 \pm 9.6$ ( $\sigma=174$ )	$789 \pm 12$ ( $\sigma=225$ )	$660 \pm 8.2$ ( $\sigma=149$ )	$309 \pm 15$ ( $\sigma=278$ )
30-39 years	292	$1203 \pm 12$ ( $\sigma=204$ )	$831 \pm 14$ ( $\sigma=238$ )	$648 \pm 10$ ( $\sigma=172$ )	$384 \pm 19$ ( $\sigma=321$ )
40-49 years	143	$1201 \pm 15$ ( $\sigma=181$ )	$849 \pm 23$ ( $\sigma=275$ )	$680 \pm 15$ ( $\sigma=176$ )	$377 \pm 28$ ( $\sigma=336$ )
50-59 years	179	$1178 \pm 14$ ( $\sigma=193$ )	$854 \pm 16$ ( $\sigma=217$ )	$674 \pm 13$ ( $\sigma=178$ )	$388 \pm 23$ ( $\sigma=306$ )
60-69 years	105	$1043 \pm 17$ ( $\sigma=174$ )	$872 \pm 30$ ( $\sigma=310$ )	$638 \pm 16$ ( $\sigma=162$ )	$452 \pm 40$ ( $\sigma=407$ )
$\geq 70$ years	15	$927 \pm 33$ ( $\sigma=128$ )	$760 \pm 65$ ( $\sigma=254$ )	$575 \pm 18$ ( $\sigma=67.9$ )	$374 \pm 85$ ( $\sigma=330$ )
$F_{6,1082}$		14.2	3.37	1.97	3.7
$p$		$< 10^{-8}$	0.0027	0.0668	0.00122
$R^2$		0.0731	0.0183	0.0108	0.0201
$\delta$		1.38	0.484	0.619	0.443

## Discussion

It may be seen that the results concerning maximum and average and minimum (shown in the main text) age are quite similar above 20 years. Nevertheless, using minimum age allows us to spot the presence of children below 10 years of age and verify their peculiar behaviour.