Statistical analysis of overall probability distributions

Purpose

Table 1 provides a statistical analysis of the overall probability distributions for the purpose categories in triads.

Table 1: Statistical analysis of the overall probability distributions for the purpose categories in triads. Lengths in millimetres, times in seconds.

Purpose	N^k	V	r	x	y
Leisure	26120	998 ± 1.3 (σ=206)	594 ± 1.1 (σ=172)	914 ± 2.2 (σ=360)	688 ± 3 (σ=479)
Work	3375	1191 ± 3.6 (σ=211)	599 ± 2.7 (σ=155)	1112 ± 5.8 (σ=337)	596 ± 7.2 (σ=417)
$F_{1,29493}$		2590	3.31	922	115
p		$< 10^{-8}$	0.0687	$< 10^{-8}$	$< 10^{-8}$
R^2		0.0809	0.000112	0.0303	0.00388
δ		0.932	0.0333	0.555	0.196

Relation

Table 2 provides a statistical analysis of the overall probability distributions for the relation categories in triads.

Table 2: Statistical analysis of the overall probability distributions for the relation categories in triads. Lengths in millimetres, times in seconds.

Relation	N^k	V	r	x	y
Colleagues	3370	1189 ± 3.6 (σ=210)	602 ± 2.7 (σ=156)	1108 ± 5.9 (σ=340)	606 ± 7.3 (σ=422)
Families	15599	981 ± 1.6 (σ=206)	619 ± 1.5 (σ=188)	876 ± 2.9 (σ=366)	750 ± 4.1 (σ=518)
Friends	10526	1024 ± 2 (σ=204)	555 ± 1.3 (σ=137)	972 ± 3.3 (σ=343)	594 ± 3.9 (σ=396)
$F_{2,29492}$		1410	460	673	399
p		$< 10^{-8}$	$< 10^{-8}$	$< 10^{-8}$	$< 10^{-8}$
R^2		0.0875	0.0302	0.0436	0.0263
δ		1	0.378	0.641	0.331

Gender

Table 3 provides a statistical analysis of the overall probability distributions for the gender categories in triads.

Age

Table 4 provides a statistical analysis of the overall probability distributions for the minimum age ranges in triads.

Table 3: Statistical analysis of the overall probability distributions for the gender categories in triads. Lengths in millimetres, times in seconds.

Gender	N^k	V	r	x	y
Three females	7826	1013 ± 2.3 (σ=200)	557 ± 1.7 (σ=147)	965 ± 3.9 (σ=346)	607 ± 4.7 (σ=418)
Two females	9689	976 ± 2 (σ=199)	601 ± 1.8 (σ=177)	886 ± 3.6 (σ=354)	705 ± 5 (σ=494)
Two males	6460	998 ± 2.6 (σ=207)	631 ± 2.3 (σ=183)	900 ± 4.8 (σ=383)	770 ± 6.2 (σ=499)
Three males	5520	1134 ± 3.2 (σ=234)	593 ± 2.2 (σ=163)	1028 ± 4.8 (σ=355)	622 ± 6.1 (σ=455)
$F_{3,29491}$		730	234	223	179
p		$< 10^{-8}$	$< 10^{-8}$	$< 10^{-8}$	$< 10^{-8}$
R^2		0.0692	0.0233	0.0222	0.0178
δ		0.747	0.45	0.402	0.355

Table 4: Statistical analysis of the overall probability distributions for the minimum age ranges in triads. Lengths in millimetres, times in seconds.

Minimum age	N^k	V	r	x	y
0-7 years	4330	962 ± 3.2 (σ=210)	614 ± 3 (σ=200)	870 ± 5.6 (σ=366)	732 ± 8 (σ=527)
8-19 years	11873	1010 ± 1.9 (σ=207)	581 ± 1.5 (σ=167)	899 ± 3.2 (σ=352)	673 ± 4.3 (σ=468)
20-29 years	5663	1030 ± 2.7 (σ=204)	575 ± 2 (σ=151)	972 ± 4.5 (σ=338)	637 ± 5.7 (σ=425)
30-39 years	2497	1062 ± 4.5 (σ=223)	623 ± 3.6 (σ=179)	978 ± 7.6 (σ=379)	718 ± 10 (σ=511)
40-49 years	3226	1086 ± 4.2 (σ=238)	610 ± 2.8 (σ=157)	1010 ± 6.5 (σ=371)	673 ± 7.8 (σ=442)
50-59 years	1253	1059 ± 6 (σ=214)	598 ± 4.3 (σ=151)	1054 ± 10 (σ=360)	572 ± 12 (σ=437)
60-69 years	222	944 ± 19 (σ=285)	675 ± 9.5 (σ=141)	1311 ± 25 (σ=377)	585 ± 33 (σ=496)
$\geq$ 70 years	431	931 ± 7.9 (σ=165)	690 ± 9.5 (σ=197)	854 ± 19 (σ=400)	969 ± 26 (σ=540)
$F_{7,29487}$		130	70.2	130	51.3
p		$< 10^{-8}$	$< 10^{-8}$	$< 10^{-8}$	$< 10^{-8}$
R^2		0.0299	0.0164	0.03	0.012
δ		0.668	0.742	1.16	0.854

Height

Table 5 provides a statistical analysis of the overall probability distributions for the minimum height ranges in triads.

Table 5: Statistical analysis of the overall probability distributions for the minimum height ranges in triads. Lengths in millimetres, times in seconds.

Minimum height	N^k	V	r	x	y
$<$ 140 cm	4479	990 ± 3.3 (σ=219)	641 ± 3 (σ=203)	881 ± 5.9 (σ=393)	767 ± 8 (σ=536)
140-150 cm	1897	1032 ± 4.9 (σ=212)	595 ± 4.2 (σ=181)	871 ± 8.2 (σ=356)	769 ± 12 (σ=520)
150-160 cm	10195	991 ± 2 (σ=199)	588 ± 1.6 (σ=157)	918 ± 3.5 (σ=351)	673 ± 4.5 (σ=456)
160-170 cm	10153	1033 ± 2.1 (σ=214)	581 ± 1.6 (σ=164)	962 ± 3.4 (σ=342)	645 ± 4.5 (σ=452)
170-180 cm	2741	1117 ± 4.6 (σ=241)	594 ± 3.1 (σ=161)	1052 ± 7.6 (σ=396)	607 ± 8.5 (σ=443)
$F_{5,29489}$		186	87.1	107	68.9
p		$< 10^{-8}$	$< 10^{-8}$	$< 10^{-8}$	$< 10^{-8}$
R^2		0.0305	0.0145	0.0178	0.0115
δ		1.3	0.904	0.546	0.325