## Statistical Overview of the MicroG-4M Dataset $$\operatorname{Lei}\ \mathrm{Qi}$$

The following tables summarize the statistics of the MicroG-4M dataset for the human action recognition task.

Category	Count
All videos	4759
Movie videos	1332
Real videos	3427
All actions	13261
Movie actions	3651
Real actions	9610
All action types	50
Movie action types	42
Real action types	46

Table 1: Summary of Video Categories, Actions, and Action Types

Group Nr.	Difference Amount	Corrected Amount
1	3	3
2	0	0
3	0	0
4	10	8
5	11	6
6	0	0

Label noise in the dataset:  $17/600 \approx 2.83\%$ 

Table 2: Cross-check Data Summary

Label Type	Number of Labels	Ratio (%)
Object Manipulation	4986	37.60
Person Interaction	4288	32.34
Person Movement	3987	30.07

Table 3: Summary of Label Types and Their Distribution Across All Videos

Label Type	Number of Labels	Ratio (%)
Object Manipulation	1416	38.78
Person Interaction	1198	32.81
Person Movement	1037	28.40

Table 4: Summary of Label Types and Their Distribution Across Movies

Label Type	Number of Labels	Ratio (%)
Object Manipulation	3788	39.42
Person Interaction	2950	30.70
Person Movement	2872	29.89

Table 5: Summary of Label Types and Their Distribution Across Real Videos

Number of Persons	Number of Videos	Ratio (%)
1	3983	83.69
2	623	13.09
3	118	2.48
4	21	0.44
5	11	0.23
6	2	0.04
7	1	0.02

Table 6: Distribution of the Number of Persons per Video (All Videos)

Number of Persons	Number of Videos	Ratio (%)
1	816	61.26
2	395	29.65
3	94	7.06
4	17	1.28
5	8	0.60
6	1	0.08
7	1	0.08

Table 7: Distribution of the Number of Persons per Video (Movies)

Number of Persons	Number of Videos	Ratio (%)
1	3167	92.41
2	228	6.65
3	24	0.70
4	4	0.12
5	3	0.09
6	1	0.03

Table 8: Distribution of the Number of Persons per Video (Real Videos)

Table 9: Summary of Action Type Distribution in All Videos

12       stand       3218         79       talk to (e.g., self, a person, a group)       3131         17       carry/hold (an object)       3126         80       watch (a person)       713         14       walk       369         59       touch (an object)       353         61       watch (e.g., TV)/any unspecified action       346         43       point to (an object)       323         11       sit       252         26       lift/pick up       188         74       listen to (a person)       148         69       hand wave       140         47       put down       138         62       work on a computer       110         63       give/serve (an object) to (a person)       46         62       gat       45         45       drink       43         66       grab (a person)       41         34       hit (an object)       32         35       apen (e.g., a window, a car door)       32         36       dress/undress clothing       31         36       fight/hit (a person)       27         1       bend/bow (at the waist) <td< th=""><th>io (%)</th></td<>	io (%)
17       carry/hold (an object)       3126         80       watch (a person)       713         14       walk       369         59       touch (an object)       353         61       watch (e.g., TV)/any unspecified action       346         43       point to (an object)       323         11       sit       252         36       lift/pick up       188         74       listen to (a person)       148         69       hand wave       140         47       put down       138         62       work on a computer       110         30       enter       68         65       give/serve (an object) to (a person)       46         29       eat       45         27       drink       43         66       grab (a person)       41         34       hit (an object)       32         35       open (e.g., a window, a car door)       32         26       dress/undress clothing       31         64       fight/hit (a person)       27         1       bend/bow (at the waist)       26         6       get up       25	24.27
80       watch (a person)       713         14       walk       369         59       touch (an object)       353         61       watch (e.g., TV)/any unspecified action       346         43       point to (an object)       323         11       sit       252         36       lift/pick up       188         74       listen to (a person)       148         69       hand wave       140         47       put down       138         62       work on a computer       110         30       enter       68         65       give/serve (an object) to (a person)       46         29       eat       45         27       drink       43         66       grab (a person)       41         34       hit (an object)       32         38       open (e.g., a window, a car door)       32         38       open (e.g., a window, a car door)       32         46       fight/hit (a person)       27         1       bend/bow (at the waist)       26         6       get up       25         46       push (an object)       24         <	23.61
14 walk       369         59 touch (an object)       353         61 watch (e.g., TV)/any unspecified action       346         43 point to (an object)       323         11 sit       252         36 lift/pick up       188         74 listen to (a person)       148         69 hand wave       140         47 put down       138         62 work on a computer       110         30 enter       68         65 give/serve (an object) to (a person)       46         29 eat       45         27 drink       43         66 grab (a person)       41         34 hit (an object)       32         38 open (e.g., a window, a car door)       32         26 dress/undress clothing       31         64 fight/hit (a person)       27         1 bend/bow (at the waist)       26         6 get up       25         46 push (an object)       24         28 operate spaceship       20         3 crouch/kneel       20         9 martial art       18         8 lie/sleep       17         60 turn (e.g., a screwdriver)       17         70 hug (a person)       16         78 t	23.57
59 touch (an object) 61 watch (e.g., TV)/any unspecified action 62 point to (an object) 63 point to (an object) 74 listen to (a person) 75 list to (a person) 76 list pick up 77 listen to (a person) 78 listen to (a person) 79 ut down 70 put down 70 enter 70 eat 71 listen to (a person) 71 loud enter 71 loud enter 71 loud enter 71 loud enter 72 drink 73 loud enter 74 listen to (a person) 75 loud enter 76 loud enter 77 drink 78 loud enter 89 loud enter 80 loud enter 80 loud enter 81 loud enter 81 loud enter 82 loud enter 83 loud enter 84 loud enter 84 loud enter 85 loud enter 86 loud ent	5.38
61 watch (e.g., TV)/any unspecified action  43 point to (an object)  323  11 sit  252  36 lift/pick up  188  74 listen to (a person)  148  69 hand wave  140  47 put down  138  62 work on a computer  110  30 enter  68  65 give/serve (an object) to (a person)  46  29 eat  45  27 drink  43  66 grab (a person)  41  34 hit (an object)  32  38 open (e.g., a window, a car door)  32  26 dress/undress clothing  43 light/hit (a person)  27  1 bend/bow (at the waist)  26 get up  25  46 push (an object)  28 operate spaceship  20 crouch/kneel  20 rjump/leap  20 martial art  8 lie/sleep  17  60 turn (e.g., a screwdriver)  70 hug (a person)  13 read  15  22 close (e.g., a door, a box)  13 run/jog  15 fall down  10  24 cut  9	2.78
43       point to (an object)       323         11       sit       252         36       lift/pick up       188         74       listen to (a person)       148         69       hand wave       140         47       put down       138         62       work on a computer       110         30       enter       68         65       give/serve (an object) to (a person)       46         29       eat       45         27       drink       43         66       grab (a person)       41         34       hit (an object)       32         36       pull (an object)       32         37       pull (an object)       32         38       open (e.g., a window, a car door)       32         26       dress/undress clothing       31         64       fight/hit (a person)       27         1       bend/bow (at the waist)       26         6       get up       25         46       push (an object)       24         20       push (an object)       24         20       push (an object)       24         20       push (	2.66
11 sit       252         36 lift/pick up       188         74 listen to (a person)       148         69 hand wave       140         47 put down       138         62 work on a computer       110         30 enter       68         65 give/serve (an object) to (a person)       46         29 eat       45         27 drink       43         66 grab (a person)       41         34 hit (an object)       32         38 open (e.g., a window, a car door)       32         26 dress/undress clothing       31         64 fight/hit (a person)       27         1 bend/bow (at the waist)       26         6 get up       25         46 push (an object)       24         28 operate spaceship       20         3 crouch/kneel       20         7 jump/leap       20         9 martial art       18         8 lie/sleep       17         60 turn (e.g., a screwdriver)       17         70 hug (a person)       16         78 take (an object) from (a person)       15         48 read       15         22 close (e.g., a door, a box)       13         7 tun/jog	2.61
36       lift/pick up       188         74       listen to (a person)       148         69       hand wave       140         47       put down       138         62       work on a computer       110         30       enter       68         65       give/serve (an object) to (a person)       46         29       eat       45         27       drink       43         66       grab (a person)       41         34       hit (an object)       32         38       open (e.g., a window, a car door)       32         38       open (e.g., a window, a car door)       32         46       fight/hit (a person)       27         1       bend/bow (at the waist)       26         6       get up       25         46       push (an object)       24         28       operate spaceship       20         3       crouch/kneel       20         9       martial art       18         8       lie/sleep       17         60       turn (e.g., a screwdriver)       17         70       hug a person)       16         48 <td< td=""><td>2.44</td></td<>	2.44
74       listen to (a person)       148         69       hand wave       140         47       put down       138         62       work on a computer       110         30       enter       68         65       give/serve (an object) to (a person)       46         29       eat       45         27       drink       43         66       grab (a person)       41         34       hit (an object)       32         38       open (e.g., a window, a car door)       32         38       open (e.g., a window, a car door)       32         46       fight/hit (a person)       27         1       bend/bow (at the waist)       26         6       get up       25         46       push (an object)       24         28       operate spaceship       20         3       crouch/kneel       20         7       jump/leap       20         9       martial art       18         8       lie/sleep       17         60       turn (e.g., a screwdriver)       17         70       hug (a person)       15         48       rea	1.90
69       hand wave       140         47       put down       138         62       work on a computer       110         30       enter       68         65       give/serve (an object) to (a person)       46         29       eat       45         27       drink       43         66       grab (a person)       41         34       hit (an object)       32         38       open (e.g., a window, a car door)       32         26       dress/undress clothing       31         64       fight/hit (a person)       27         1       bend/bow (at the waist)       26         6       get up       25         46       push (an object)       24         28       operate spaceship       20         3       crouch/kneel       20         7       jump/leap       20         9       martial art       18         8       lie/sleep       17         60       turn (e.g., a screwdriver)       17         7       hug (a person)       15         48       read       15         22       close (e.g., a door, a box)	1.42
47       put down       138         62       work on a computer       110         30       enter       68         65       give/serve (an object) to (a person)       46         29       eat       45         27       drink       43         66       grab (a person)       41         34       hit (an object)       32         38       open (e.g., a window, a car door)       32         26       dress/undress clothing       31         64       fight/hit (a person)       27         1       bend/bow (at the waist)       26         6       get up       25         46       push (an object)       24         28       operate spaceship       20         3       crouch/kneel       20         7       jump/leap       20         9       martial art       18         8       lie/sleep       17         60       turn (e.g., a screwdriver)       17         70       hug (a person)       16         78       take (an object) from (a person)       15         48       read       15         22       close (e.	1.12
62       work on a computer       110         30       enter       68         65       give/serve (an object) to (a person)       46         29       eat       45         27       drink       43         66       grab (a person)       41         34       hit (an object)       32         38       open (e.g., a window, a car door)       32         26       dress/undress clothing       31         64       fight/hit (a person)       27         1       bend/bow (at the waist)       26         6       get up       25         46       push (an object)       24         28       operate spaceship       20         3       crouch/kneel       20         7       jump/leap       20         9       martial art       18         8       lie/sleep       17         60       turn (e.g., a screwdriver)       17         70       hug (a person)       16         78       take (an object) from (a person)       15         48       read       15         22       close (e.g., a door, a box)       13         10	1.06
30       enter       68         65       give/serve (an object) to (a person)       46         29       eat       45         27       drink       43         66       grab (a person)       41         34       hit (an object)       33         45       pull (an object)       32         38       open (e.g., a window, a car door)       32         26       dress/undress clothing       31         64       fight/hit (a person)       27         1       bend/bow (at the waist)       26         6       get up       25         46       push (an object)       24         28       operate spaceship       20         3       crouch/kneel       20         7       jump/leap       20         9       martial art       18         8       lie/sleep       17         60       turn (e.g., a screwdriver)       17         70       hug (a person)       16         78       take (an object) from (a person)       15         48       read       15         22       close (e.g., a door, a box)       13         10	1.04
65 give/serve (an object) to (a person)  29 eat  45  27 drink  43  66 grab (a person)  41  34 hit (an object)  32  38 open (e.g., a window, a car door)  32  26 dress/undress clothing  31  64 fight/hit (a person)  27  1 bend/bow (at the waist)  26 get up  25  46 push (an object)  3 crouch/kneel  20  7 jump/leap  9 martial art  8 lie/sleep  17  60 turn (e.g., a screwdriver)  70 hug (a person)  18  18  19  10 run/jog  10  21  21  24  25  26  27  28  29  20  30  40  40  40  40  40  40  40  40  4	0.83
29       eat       45         27       drink       43         66       grab (a person)       41         34       hit (an object)       33         45       pull (an object)       32         38       open (e.g., a window, a car door)       32         26       dress/undress clothing       31         64       fight/hit (a person)       27         1       bend/bow (at the waist)       26         6       get up       25         46       push (an object)       24         28       operate spaceship       20         3       crouch/kneel       20         7       jump/leap       20         9       martial art       18         8       lie/sleep       17         60       turn (e.g., a screwdriver)       17         70       hug (a person)       16         78       take (an object) from (a person)       15         48       read       15         22       close (e.g., a door, a box)       13         10       run/jog       12         5       fall down       10         24       cut       9	0.51
27 drink       43         66 grab (a person)       41         34 hit (an object)       33         45 pull (an object)       32         38 open (e.g., a window, a car door)       32         26 dress/undress clothing       31         64 fight/hit (a person)       27         1 bend/bow (at the waist)       26         6 get up       25         46 push (an object)       24         28 operate spaceship       20         3 crouch/kneel       20         7 jump/leap       20         9 martial art       18         8 lie/sleep       17         60 turn (e.g., a screwdriver)       17         70 hug (a person)       16         78 take (an object) from (a person)       15         48 read       15         22 close (e.g., a door, a box)       13         10 run/jog       12         5 fall down       10         24 cut       9	0.35
66       grab (a person)       41         34       hit (an object)       33         45       pull (an object)       32         38       open (e.g., a window, a car door)       32         26       dress/undress clothing       31         64       fight/hit (a person)       27         1       bend/bow (at the waist)       26         6       get up       25         46       push (an object)       24         28       operate spaceship       20         3       crouch/kneel       20         7       jump/leap       20         9       martial art       18         8       lie/sleep       17         60       turn (e.g., a screwdriver)       17         70       hug (a person)       16         78       take (an object) from (a person)       15         48       read       15         22       close (e.g., a door, a box)       13         10       run/jog       12         5       fall down       10         24       cut       9	0.34
34       hit (an object)       33         45       pull (an object)       32         38       open (e.g., a window, a car door)       32         26       dress/undress clothing       31         64       fight/hit (a person)       27         1       bend/bow (at the waist)       26         6       get up       25         46       push (an object)       24         28       operate spaceship       20         3       crouch/kneel       20         7       jump/leap       20         9       martial art       18         8       lie/sleep       17         60       turn (e.g., a screwdriver)       17         70       hug (a person)       16         78       take (an object) from (a person)       15         48       read       15         22       close (e.g., a door, a box)       13         10       run/jog       12         5       fall down       10         24       cut       9	0.32
34       hit (an object)       33         45       pull (an object)       32         38       open (e.g., a window, a car door)       32         26       dress/undress clothing       31         64       fight/hit (a person)       27         1       bend/bow (at the waist)       26         6       get up       25         46       push (an object)       24         28       operate spaceship       20         3       crouch/kneel       20         7       jump/leap       20         9       martial art       18         8       lie/sleep       17         60       turn (e.g., a screwdriver)       17         70       hug (a person)       16         78       take (an object) from (a person)       15         48       read       15         22       close (e.g., a door, a box)       13         10       run/jog       12         5       fall down       10         24       cut       9	0.31
45       pull (an object)       32         38       open (e.g., a window, a car door)       32         26       dress/undress clothing       31         64       fight/hit (a person)       27         1       bend/bow (at the waist)       26         6       get up       25         46       push (an object)       24         28       operate spaceship       20         3       crouch/kneel       20         7       jump/leap       20         9       martial art       18         8       lie/sleep       17         60       turn (e.g., a screwdriver)       17         70       hug (a person)       16         78       take (an object) from (a person)       15         48       read       15         22       close (e.g., a door, a box)       13         10       run/jog       12         5       fall down       10         24       cut       9	0.25
38       open (e.g., a window, a car door)       32         26       dress/undress clothing       31         64       fight/hit (a person)       27         1       bend/bow (at the waist)       26         6       get up       25         46       push (an object)       24         28       operate spaceship       20         3       crouch/kneel       20         7       jump/leap       20         9       martial art       18         8       lie/sleep       17         60       turn (e.g., a screwdriver)       17         70       hug (a person)       16         78       take (an object) from (a person)       15         48       read       15         22       close (e.g., a door, a box)       13         10       run/jog       12         5       fall down       10         24       cut       9	0.24
26       dress/undress clothing       31         64       fight/hit (a person)       27         1       bend/bow (at the waist)       26         6       get up       25         46       push (an object)       24         28       operate spaceship       20         3       crouch/kneel       20         7       jump/leap       20         9       martial art       18         8       lie/sleep       17         60       turn (e.g., a screwdriver)       17         70       hug (a person)       16         78       take (an object) from (a person)       15         48       read       15         22       close (e.g., a door, a box)       13         10       run/jog       12         5       fall down       10         24       cut       9	0.24
64       fight/hit (a person)       27         1       bend/bow (at the waist)       26         6       get up       25         46       push (an object)       24         28       operate spaceship       20         3       crouch/kneel       20         7       jump/leap       20         9       martial art       18         8       lie/sleep       17         60       turn (e.g., a screwdriver)       17         70       hug (a person)       16         78       take (an object) from (a person)       15         48       read       15         22       close (e.g., a door, a box)       13         10       run/jog       12         5       fall down       10         24       cut       9	0.23
1       bend/bow (at the waist)       26         6       get up       25         46       push (an object)       24         28       operate spaceship       20         3       crouch/kneel       20         7       jump/leap       20         9       martial art       18         8       lie/sleep       17         60       turn (e.g., a screwdriver)       17         70       hug (a person)       16         78       take (an object) from (a person)       15         48       read       15         22       close (e.g., a door, a box)       13         10       run/jog       12         5       fall down       10         24       cut       9	0.20
6 get up 25 46 push (an object) 28 operate spaceship 20 3 crouch/kneel 20 7 jump/leap 20 9 martial art 18 8 lie/sleep 17 60 turn (e.g., a screwdriver) 17 70 hug (a person) 16 78 take (an object) from (a person) 48 read 15 22 close (e.g., a door, a box) 10 run/jog 11 5 fall down 10 24 cut 12	0.20
46       push (an object)       24         28       operate spaceship       20         3       crouch/kneel       20         7       jump/leap       20         9       martial art       18         8       lie/sleep       17         60       turn (e.g., a screwdriver)       17         70       hug (a person)       16         78       take (an object) from (a person)       15         48       read       15         22       close (e.g., a door, a box)       13         10       run/jog       12         5       fall down       10         24       cut       9	0.19
28       operate spaceship       20         3       crouch/kneel       20         7       jump/leap       20         9       martial art       18         8       lie/sleep       17         60       turn (e.g., a screwdriver)       17         70       hug (a person)       16         78       take (an object) from (a person)       15         48       read       15         22       close (e.g., a door, a box)       13         10       run/jog       12         5       fall down       10         24       cut       9	0.18
3       crouch/kneel       20         7       jump/leap       20         9       martial art       18         8       lie/sleep       17         60       turn (e.g., a screwdriver)       17         70       hug (a person)       16         78       take (an object) from (a person)       15         48       read       15         22       close (e.g., a door, a box)       13         10       run/jog       12         5       fall down       10         24       cut       9	0.15
7 jump/leap       20         9 martial art       18         8 lie/sleep       17         60 turn (e.g., a screwdriver)       17         70 hug (a person)       16         78 take (an object) from (a person)       15         48 read       15         22 close (e.g., a door, a box)       13         10 run/jog       12         5 fall down       10         24 cut       9	0.15
9 martial art 18 8 lie/sleep 17 60 turn (e.g., a screwdriver) 17 70 hug (a person) 16 78 take (an object) from (a person) 15 48 read 15 22 close (e.g., a door, a box) 13 10 run/jog 12 5 fall down 10 24 cut 9	0.15
8       lie/sleep       17         60       turn (e.g., a screwdriver)       17         70       hug (a person)       16         78       take (an object) from (a person)       15         48       read       15         22       close (e.g., a door, a box)       13         10       run/jog       12         5       fall down       10         24       cut       9	0.14
60       turn (e.g., a screwdriver)       17         70       hug (a person)       16         78       take (an object) from (a person)       15         48       read       15         22       close (e.g., a door, a box)       13         10       run/jog       12         5       fall down       10         24       cut       9	0.13
70       hug (a person)       16         78       take (an object) from (a person)       15         48       read       15         22       close (e.g., a door, a box)       13         10       run/jog       12         5       fall down       10         24       cut       9	0.13
78       take (an object) from (a person)       15         48       read       15         22       close (e.g., a door, a box)       13         10       run/jog       12         5       fall down       10         24       cut       9	0.12
48       read       15         22       close (e.g., a door, a box)       13         10       run/jog       12         5       fall down       10         24       cut       9	0.11
22 close (e.g., a door, a box)       13         10 run/jog       12         5 fall down       10         24 cut       9	0.11
10       run/jog       12         5       fall down       10         24       cut       9	0.10
5 fall down 10 24 cut 9	0.09
24 cut 9	0.08
	0.07
57 text on/look at a cellphone 7	0.05
58 throw 4	0.03
68 hand shake 4	0.03
63 write 3	0.02
67 hand clap 3	0.02
76 push (another person) 3	0.02
41 play musical instrument 3	0.02
56 take a photo 2	0.02
20 climb (e.g., a mountain) 1	0.02
72 kiss (a person) 1	0.01

Table 10: Summary of Action Type Distribution in Movies

ID	Action Name	Number of Actions	Ratio (%)
12	stand	698	19.12
80	watch (a person)	625	17.12
17	carry/hold (an object)	549	15.04
79	talk to (e.g., self, a person, a group)	504	13.80
61	watch (e.g., TV)/any unspecified action	316	8.66
11	sit	239	6.55
59	touch (an object)	136	3.73
74	listen to (a person)	135	3.70
14	walk	75	2.05
62	work on a computer	67	1.84
69	hand wave	44	1.21
66	grab (a person)	31	0.85
64	fight/hit (a person)	26	0.71
65	give/serve (an object) to (a person)	20	0.55
45	pull (an object)	19	0.52
28	operate spaceship	16	0.44
1	bend/bow (at the waist)	14	0.38
48	read	14	0.38
70	hug (a person)	13	0.36
38	open (e.g., a window, a car door)	13	0.36
78	take (an object) from (a person)	10	0.27
36	lift/pick up	10	0.27
60	turn (e.g., a screwdriver)	9	0.25
26	dress/undress clothing	9	0.25
46	push (an object)	8	0.22
47	put down	7	0.19
27	drink	5	0.14
30	enter	5	0.14
6	get up	4	0.11
22	close (e.g., a door, a box)	4	0.11
8	lie/sleep	4	0.11
63	write	3	0.08
34	hit (an object)	3	0.08
67	hand clap	3	0.08
68	hand shake	2	0.05
29	eat	2	0.05
3	crouch/kneel	2	0.05
76	push (another person)	2	0.05
43	point to (an object)	2	0.05
20	climb (e.g., a mountain)	1	0.03
5	fall down	1	0.03
72	kiss (a person)	1	0.03

Table 11: Summary of Action Type Distribution in Real Videos

ID	Action Name	Number of Actions	Ratio (%)
79	talk to (e.g., self, a person, a group)	2627	27.34
17	carry/hold (an object)	2577	26.82
12	stand	2520	26.22
43	point to (an object)	321	3.34
14	walk	294	3.06
59	touch (an object)	217	2.26
36	lift/pick up	178	1.85
47	put down	131	1.36
69	hand wave	96	1.00
80	watch (a person)	88	0.92
30	enter	63	0.66
62	work on a computer	43	0.45
29	eat	43	0.45
27	drink	38	0.40
61	watch (e.g., TV)/any unspecified action	30	0.31
34	hit (an object)	30	0.31
65	give/serve (an object) to (a person)	26	0.27
26	dress/undress clothing	22	0.23
6	get up	21	0.22
7	jump/leap	20	0.21
38	open (e.g., a window, a car door)	19	0.20
9	martial art	18	0.19
3	crouch/kneel	18	0.19
46	push (an object)	16	0.17
11	sit	13	0.14
45	pull (an object)	13	0.14
8	lie/sleep	13	0.14
74	listen to (a person)	13	0.14
10	run/jog	12	0.12
1	bend/bow (at the waist)	12	0.12
66	grab (a person)	10	0.10
5	fall down	9	0.09
22	close (e.g., a door, a box)	9	0.09
24	cut	9	0.09
60	turn (e.g., a screwdriver)	8	0.08
57	text on/look at a cellphone	7	0.07
78	take (an object) from (a person)	5	0.05
28	operate spaceship	4	0.04
58	throw	4	0.04
41	play musical instrument	3	0.03
70	hug (a person)	3	0.03
56	take a photo	2	0.02
68	hand shake	2	0.02
48	read	1	0.01
64	fight/hit (a person)	1	0.01
76	push (another person)	1	0.01