

## Supplementary Materials

**Table S1.** Composition of samples per variable from Welch's T-tests and ANOVA with repeated measures (rANOVA).

	Gender	Cluster	n T-Test	n rANOVA	Excluded rANOVA
Friendship Quality	female	Friend	31	31	3
		Non-Friend	26	26	1
	male	Friend	3	3	1
		Non-Friend	2	2	0
	divers	Friend	2	2	0
		Non-Friend	4	4	0
Future Usage	female	Friend	33	-	-
		Non-Friend	24	-	-
	male	Friend	3	-	-
		Non-Friend	2	-	-
	divers	Friend	2	-	-
		Non-Friend	4	-	-
Usage Habits	female	Friend	33	-	-
		Non-Friend	24	-	-
	male	Friend	3	-	-
		Non-Friend	2	-	-
	divers	Friend	2	-	-
		Non-Friend	4	-	-
Fulfillment of usage motives	female	Friend	31	29	5
		Non-Friend	21	20	7
	male	Friend	4	4	0
		Non-Friend	2	2	0
	divers	Friend	2	1	1
		Non-Friend	3	3	1
Fulfillment of user needs	female	Friend	31	30	4
		Non-Friend	21	20	7
	male	Friend	4	3	1
		Non-Friend	2	2	0
	divers	Friend	2	2	0
		Non-Friend	3	3	1
Usage Evaluation	female	Friend	33	33	1
		Non-Friend	26	25	2
	male	Friend	3	3	1

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		Non-Friend	2	2	0
	divers	Friend	2	2	0
		Non-Friend	4	4	0
Parasocial Interaction	female	Friend	30	30	4
		Non-Friend	23	22	5
	male	Friend	4	4	0
		Non-Friend	2	2	0
	divers	Friend	2	2	0
		Non-Friend	3	3	1
Social Sense	female	Friend	30	30	4
		Non-Friend	23	22	5
	male	Friend	4	4	0
		Non-Friend	2	2	0
	divers	Friend	2	2	0
		Non-Friend	3	3	1
Attachment	female	Friend	34	31	3
		Non-Friend	27	26	1
	male	Friend	4	3	1
		Non-Friend	2	2	0
	divers	Friend	2	2	0
		Non-Friend	4	4	0
Uncanny Valley	female	Friend	33	29	5
		Non-Friend	26	24	3
	male	Friend	3	3	1
		Non-Friend	2	2	0
	divers	Friend	2	1	1
		Non-Friend	4	4	0
Personality	female	Friend	34	-	-
		Non-Friend	27	-	-
	male	Friend	4	-	-
		Non-Friend	2	-	-
	divers	Friend	2	-	-
		Non-Friend	3	-	-
Loneliness	female	Friend	34	-	-
		Non-Friend	27	-	-
	male	Friend	4	-	-

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Attachment Patterns	divers	Non-Friend	2	-	-
		Friend	2	-	-
		Non-Friend	3	-	-
	female	Friend	34	-	-
		Non-Friend	27	-	-
	male	Friend	4	-	-
		Non-Friend	2	-	-
	divers	Friend	2	-	-
		Non-Friend	3	-	-

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**Table S2.** Used and adapted Items of *IFS* for Evaluation of Friendship Quality.

Subscale	Item
1 Frankness and Spontaneity	I can talk to my voice assistant about almost anything. If my voice assistant does something I don't like, I can always tell him. I talk to my voice assistant about my plans and hopes for the future. I also talk to my voice assistant about things I have done that other people would not approve of.
2 Sensitivity and Knowing	I know how my voice assistant feels about things without it having to tell me. I can tell when my voice assistant is worried about something.
3 Attachment	I feel close to my voice assistant. I like my voice assistant. When my voice assistant is not there, I miss him.
4 Exclusiveness	The most exciting things happen when I am with my voice assistant and no one else is around. I experience things with my voice assistants that I don't experience with others. It bothers me when others are also using my voice assistant.
5 Giving and Sharing	When something good happens to me, I share the experience with my voice assistant. Whenever my language assistant tells me about a problem, I give it my attention.
6 Trust and Loyalty	I know that whatever I tell my speech assistant will remain a secret between the two of us. I will not join with others to oppose my voice assistant. When others say something against my voice assistant, I defend it. I tell other people nice things about my voice assistant.

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**Table S3.** Captured coded functions of the voice assistant with content description and assignment to the individual categories as well as exemplary keywords for automated coding via string matching.

Categories	Functions / Subcategories	Description	Keywords (German Example)	Keywords (English Example)
<b>Knowledge Acquisition</b>	1 News	The device is used for listening to the news, such as daily world events, Bundesliga results, or horoscopes.	Nachrichten, was gibt's Neues, Horoskop, Bundesliga	News, what's new, horoscope, Bundesliga
	2 Knowledge Base	Asked questions to the device that provides information that expands the user's general knowledge.	wie lautet, warum ist, wer hat, warum sind, wer ist der	what is, why is, who has, why are, who is the
	3 Local Guide	The device is used to find addresses of localities in the vicinity or to find out about their opening hours.	Öffnungszeiten, in der Nähe, Restaurant	opening hours, near, restaurant
	4 Calculator	The device is used for calculations like a calculator.	minus, plus, geteilt, wie viel ist	minus, plus, divided, how much is
	5 Weather	The device is used to get the weather report, and daily temperature or to check the current or future weather.	wie ist das Wetter, Wetterbericht, wie warm, wie viel Grad	how is the weather, weather forecast, how warm, how many degrees
<b>Support</b>	6 Alarm Clock and Time	The device is used as an alarm clock and clock.	stell den Wecker, wie spät, wie viel Uhr	set the alarm, how late, what time
	7 Timer	The device is used as a timer or stopwatch.	Timer, Countdown, wie lange noch, ab jetzt	timer, countdown, how much longer, starting now
	8 Reminder	The device is used to be reminded of certain events.	Erinnerung, merke, erinnere	reminder, remember, remember
	9 To-Do List	The device is used to create to-do lists.	todo, To-do, to-do-liste	todo, to-do, to-do-list
	10 Calendar	The device is used as both a calendar and an appointment book. This includes, for example, asking for specific calendar days, days of the week, and upcoming appointments.	Termin, Kalender, terminplan	appointment, calendar, schedule
	11 Route Planner	The device is used for route planning, travel planning, determining travel connections, and querying travel routes.	wie ist mein Weg, wie weit ist es bis, Reiseverbindung, wie weit ist die Strecke	how is my way, how far is it to, travel connection, how far is the distance

	12	Notes	The device will be used to take notes.	notiere, Notiz	note,
	13	Cooking	The device is used to call up cooking recipes or cooking ideas.	Rezept, Zutat, wie koche ich	recipe, ingredients, how to cook
	14	Shopping List	The device is used for creating shopping lists.	Einkaufsliste	shopping list
	15	Videostreaming	The device is used for watching and playing videos and movies.	Netflix, ZDF, Mediathek, Fire Tv	Netflix, ZDF, Mediathek, Fire Tv
	16	Listen to Music	The device is used for playing or listening to music.	spiele Lied, Musik, Spotify	play song, music, Spotify
Medial Entertainment	17	Audiobooks and Stories	The device is used for listening to stories, podcasts, or audiobooks.	Hörbuch, Audible, Geschichte	audiobook, Audible, story
	18	Games and Skills	The device is used for games or playful skills, such as quiz duel.	schnick schnack schnuck, Akinator, Quiz Duell	schnick schnack schnuck, Akinator, Quiz Duel
	19	Media Control	The device is used to control the device itself, movies, videos, music, or other media.	zurückspulen, vorspulen, spule vor, an, aus, leiser, lauter	rewind, fast forward, fast forward, on, off, louder
	20	Jokes	The device is used to be told jokes or fun facts.	Witz, Joke, fun fact	joke, fun fact
Mood Management	21	Motivation	The device is used to motivate oneself. This can include playing motivational sayings and songs.	Motiviere, Motivation	motivate, motivation
	22	Relaxation	The device is used to actively relax. This includes the use of relaxing music, meditation, or other relaxation exercises.	Mediation, entspann	mediation, relax
	23	Sleep aid	The device is used to help you fall asleep or to help you fall asleep better (e.g., lullabies).	Schlaf, Schlaflied	sleep, lullaby
	24	Self-esteem	The device is used to receive compliments or to push self-worth (e.g., Alexa, do you think I'm great?).	Findest du mich toll	Do you think I'm great
	25	Negative Mood	The device is used as an outlet for negative emotions or is sought out in negative affective states (e.g., I'm scared! I'm nervous!).	Ich bin nervös, ich habe angst	I am nervous, I am scared
	26	Fun Gadget	The device is used for one's amusement or otherwise (sometimes absurdly) fun actions (e.g. Alexa, self-destruct!)	überrasch, Selbstzerstörung, belle wie ein	surprise, self-destruction, bark like one

	27	Social Presence	The device is used to get attention or the feeling of not being alone (e.g. Alexa, are you there? Alexa, talk to me!).	sprich mit mir, sag was	talk to me, say something
Smart Home	28	Lamps	The device is used to control light bulbs and lamps, turn them on, turn them off, etc.	dimme, Licht, warmweiß, Glühbirne, lechter	dim, light, warm white, bulb
	29	Sockets	The device is used to control electrical outlets or turn the power on and off.	Steckdose, Strom, Stecker	socket, power, plug
	30	Other Smart Home	When the device is used to control or use other smart home devices (e.g. thermostat).	Temperieren, Heizung	temper, heating
	31	Connection	The device is used to connect to other technologies via Bluetooth.	bluetooth, verbinde, trenne	bluetooth, connect, disconnect
Social Interaction	32	Offense	The device is insulted, belittled, or treated in a lewd manner.	Fresse, Schnauze, Arsch, halts Maul	face, shut up, ass, shut up
	33	Appreciation	When the user compliments or says something nice to the device.	Du bist toll, nett, ich liebe dich, freundlich	you are great, nice, I love you, friendly
	34	Congratulation and Holiday Greetings	When the device is congratulated or receives holiday greetings (e.g., Happy Birthday, Merry Christmas!).	Alles Gute zum Geburtstag, frohes Neues, frohe Weihnachten	happy birthday, happy new year, merry christmas,
	35	Apology	When users apologize to the device.	sorry, Entschuldigung, es tut mir leid	sorry, excuse
	36	Interest in Social Cues	When users ask the device a question to learn more about the device as a person/social entity (e.g. What are your parent's names? How old are you? What is your favorite color?)	wie alt bist du, wie heißt du, wie findest du, wie verbringst, was ist deine du, magst du,	how old are you, what is your name, how do you find, how do you spend, what is your you, do you like,
	37	Direct Speech	When the device is addressed directly as “you” or “your”.	du, dir, dein, deine, dich	you, your
	38	Greetings and Goodbyes	When the device is greeted or said goodbye.	Hallo, Tschüss, Gute Nacht, Guten Morgen, Guten Tag	hello, bye, good night, good morning, good day
	39	Politeness	When users say please or thank you to the device.	bitte, danke	please, thank you
	40	Intimate Expression	When users use phrases that begin with or contain I/my/me or have an intimate or personal reference.	ich bin, ich brauch, ich fühle, ich glaub, ich denke	I am, I need, I feel, I think, I believe
Independent Categories	41	Calls and Voice Messages	The device is used to make calls, talk to others on the phone, or send voice messages to others.	Anruf, ruf an, rufen, anrufen, auflegen	call, hang up

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42	Shopping	The device is used to store on Amazon, check prices, or retrieve product information.	Einkaufswagen, bestelle, Amazon, jetzt kaufen, Warenkorb	basket, order, Amazon, buy now, shopping cart
43	Routine	The device is used to execute routines or composed chains of commands.	starte meinen Tag	start my day
44	Whisper Mode	The device is put into whisper mode.	flüster	whisper
45	Misunderstood Request	The device misunderstands a user request, cannot execute it, or has processing errors.	not available, nicht verstanden, not applicable	not available, not understood, not applicable
	No Assignment	If an assignment based on the category system is not possible.		

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