

# PsychArchives-ESM 4

Elektronisches Supplement zu Bittermann, Greiner & Fischer: "Unterscheiden sich die Forschungsinteressen von Frauen und Männern in der Psychologie?"

Im Folgenden sind die jeweils fünf wahrscheinlichsten Begriffe aller Themen sowie die jeweiligen Prävalenzdifferenzen  $D$  und Frauenanteile aufgelistet. Unreliable Themen wurden ausgeschlossen. Tabelle 1 ist nach Thema, Tabelle 2 nach Prävalenzdifferenz (absteigend) und Tabelle 3 nach Frauenanteil (absteigend) sortiert.

Die Frauenanteile an den Themen können nicht unmittelbar aus dem Topic Model abgeleitet werden. Dazu muss erst festgelegt werden, wann ein Dokument zu einem Thema gezählt werden kann. Wir haben dies wie folgt operationalisiert: Der Frauenanteil wurde anhand der Anzahl derjenigen Dissertationen bestimmt, in denen das jeweilige Thema das insgesamt Dominierende ist (d. h., der Inhalt der Dissertation lässt sich zu mindestens 50 % diesem Thema zuordnen und zu höchstens 50 % anderen Themen<sup>1</sup>). Wenn also etwa von 100 Dissertationen 40 eine Dokument-Thema-Wahrscheinlichkeit von mindestens 50 % aufweisen, dann werden diese 40 Dissertationen als zu diesem Thema zugehörig gezählt. Anschließend wird der Frauenanteil an diesen 40 Dissertationen ausgezählt. Zwar geht durch diesen Cut-Off Information verloren, für illustrative Zwecke ist der Frauenanteil an einem Thema allerdings intuitiver erfassbar als Prävalenzdifferenzen. Abweichungen der Ränge zwischen Prävalenzdifferenzen und Frauenanteil ergeben sich dadurch, dass in die Berechnung von Letzterem weniger Information einfließt.

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<sup>1</sup> z. B.: Die Behandlung der Depression ist Hauptthema der Dissertation, thematisch werden in geringerem Umfang auch Diagnostik und Epidemiologie angeschnitten.

Tabelle 1. Übersicht über die Themen – sortiert nach Thema.

Thema	Wahrscheinlichste Begriffe	D* (%)	Frauen- anteil (%)
2	morality, social cognition, justice, attribution, motivation	-0.10	47.83
5	group dynamics, group performance, interpersonal interaction, social interaction, group cohesion	-0.28	37.96
7	physiological correlates, heart rate, psychophysiology, physiological arousal, anxiety	-0.15	47.09
9	cognitive processes, problem solving, models, theory formulation, knowledge level	-0.76	32.00
10	psychoanalytic theory, history of psychology, psychoanalysis, psychoanalytic interpretation, theories	-0.19	39.83
11	electroencephalography, electrical activity, evoked potentials, brain, physiological correlates	-0.27	50.89
13	criminals, juvenile delinquency, crime, prisoners, forensic psychiatry	-0.10	49.67
19	coping behavior, stress management, stress, personality traits, anxiety	0.17	59.63
21	verbal communication, nonverbal communication, interpersonal communication, language, interpersonal interaction	-0.13	44.44
22	memory, human information storage, retention, cognitive processes, recognition (learning)	0.07	47.46
24	methodology, statistical analysis, measurement, models, mathematical modeling	-1.01	23.12
27	human females, sex roles, human males, sex role attitudes, human sex differences	0.99	81.90
29	prevention, social skills, evaluation, social skills training, aggressive behavior	0.24	78.57
33	questionnaires, test validity, test construction, personality measures, test reliability	-0.13	52.11
34	coping behavior, quality of life, neoplasms, client characteristics, well being	0.48	68.90
35	cognitive processes, human information storage, attention, human channel capacity, reaction time	-0.37	48.54
37	hydrocortisone, stress reactions, stress, physiological correlates, psychological stress	0.08	66.67
38	cognitive impairment, cognitive ability, neuropsychological assessment, executive function, schizophrenia	0.34	66.50
42	brain, physiological correlates, functional magnetic resonance imaging, neurophysiology, evoked potentials	-0.11	61.21
45	learning, computer-assisted instruction, teaching methods, learning strategies, instructional media	-0.12	55.00
46	personality traits, extraversion, neuroticism, personality correlates, individual differences	0.13	50.00

47	age differences, short-term memory, cognitive ability, aging, cognitive development	0.06	62.60
50	social perception, attribution, judgment, stereotyped attitudes, impression formation	0.48	67.59
51	academic achievement, student characteristics, college students, high school students, elementary school students	0.03	51.76
52	sports, athletes, athletic performance, athletic participation, personality correlates	-0.33	32.88
55	goals, motivation, self-regulation, intention, behavior	-0.20	57.98
60	teacher-student interaction, teacher attitudes, teacher characteristics, teachers, teacher education	-0.01	50.66
66	health behavior, health promotion, health, lifestyle, physical activity	0.16	67.39
67	language, semantics, syntax, cognitive processes, evoked potentials	-0.10	51.38
69	emotions, emotional states, facial expressions, emotional responses, emotional regulation	0.08	61.06
70	obesity, eating disorders, bulimia, human females, anorexia nervosa	0.51	81.44
71	management personnel, human resource management, business organizations, business management, leadership	-0.24	51.30
72	driving behavior, drivers, highway safety, automobiles, motor traffic accidents	-0.69	34.03
73	environmental attitudes, conservation (ecological behavior), urban environments, home environment, architecture	-0.16	44.34
76	test validity, intelligence measures, test construction, measurement, testing	-0.61	36.78
78	mother-child relations, attachment behavior, infant development, mothers, mother-child communication	0.72	74.32
83	parent-child relations, family relations, childrearing practices, mothers, childhood development	0.91	72.50
84	social perception, ingroup outgroup, social identity, stereotyped attitudes, attribution	-0.03	54.17
86	human migration, cross-cultural differences, acculturation, immigration, cross-cultural communication	0.00	51.92
88	attribution, self-concept, emotional states, internal external locus of control, achievement	0.00	45.11
89	personnel selection, aptitude measures, test validity, statistical validity, test construction	-0.47	39.24
91	chronic pain, pain perception, pain management, pain, back pain	0.18	71.08
94	decision making, cognitive processes, judgment, choice behavior, uncertainty	-0.65	37.67
95	theories, philosophies, history of psychology, theory formulation, psychology	-1.06	25.31
96	psychotherapeutic processes, psychotherapeutic outcomes, client-centered	0.03	49.27

	therapy, psychotherapeutic techniques, psychoanalysis		
97	posttraumatic stress disorder, emotional trauma, coping behavior, trauma, victimization	0.27	73.73
98	marital relations, couples, marital satisfaction, spouses, relationship quality	0.26	64.71
99	occupational stress, stress management, coping behavior, working conditions, health	-0.01	60.80

Anmerkung: \**D* = Prävalenzdifferenz (weiblich - männlich)

Tabelle 2. Übersicht über die Themen – sortiert nach Prävalenzdifferenz (*D*) (absteigend).

Thema	Wahrscheinlichste Begriffe	<i>D</i> * (%)	Frauen- anteil (%)
27	human females, sex roles, human males, sex role attitudes, human sex differences	0.99	81.90
83	parent-child relations, family relations, childrearing practices, mothers, childhood development	0.91	72.50
78	mother-child relations, attachment behavior, infant development, mothers, mother-child communication	0.72	74.32
70	obesity, eating disorders, bulimia, human females, anorexia nervosa	0.51	81.44
34	coping behavior, quality of life, neoplasms, client characteristics, well being	0.48	68.90
50	social perception, attribution, judgment, stereotyped attitudes, impression formation	0.48	67.59
38	cognitive impairment, cognitive ability, neuropsychological assessment, executive function, schizophrenia	0.34	66.50
97	posttraumatic stress disorder, emotional trauma, coping behavior, trauma, victimization	0.27	73.73
98	marital relations, couples, marital satisfaction, spouses, relationship quality	0.26	64.71
29	prevention, social skills, evaluation, social skills training, aggressive behavior	0.24	78.57
91	chronic pain, pain perception, pain management, pain, back pain	0.18	71.08
19	coping behavior, stress management, stress, personality traits, anxiety	0.17	59.63
66	health behavior, health promotion, health, lifestyle, physical activity	0.16	67.39
46	personality traits, extraversion, neuroticism, personality correlates, individual differences	0.13	50.00
37	hydrocortisone, stress reactions, stress, physiological correlates, psychological stress	0.08	66.67
69	emotions, emotional states, facial expressions, emotional responses, emotional regulation	0.08	61.06
22	memory, human information storage, retention, cognitive processes, recognition (learning)	0.07	47.46
47	age differences, short-term memory, cognitive ability, aging, cognitive development	0.06	62.60
51	academic achievement, student characteristics, college students, high school students, elementary school students	0.03	51.76
96	psychotherapeutic processes, psychotherapeutic outcomes, client-centered therapy, psychotherapeutic techniques, psychoanalysis	0.03	49.27
86	human migration, cross-cultural differences, acculturation, immigration, cross-cultural communication	0.00	51.92

88	attribution, self-concept, emotional states, internal external locus of control, achievement	0.00	45.11
60	teacher-student interaction, teacher attitudes, teacher characteristics, teachers, teacher education	-0.01	50.66
99	occupational stress, stress management, coping behavior, working conditions, health	-0.01	60.80
84	social perception, ingroup outgroup, social identity, stereotyped attitudes, attribution	-0.03	54.17
2	morality, social cognition, justice, attribution, motivation	-0.10	47.83
13	criminals, juvenile delinquency, crime, prisoners, forensic psychiatry	-0.10	49.67
67	language, semantics, syntax, cognitive processes, evoked potentials	-0.10	51.38
42	brain, physiological correlates, functional magnetic resonance imaging, neurophysiology, evoked potentials	-0.11	61.21
45	learning, computer-assisted instruction, teaching methods, learning strategies, instructional media	-0.12	55.00
21	verbal communication, nonverbal communication, interpersonal communication, language, interpersonal interaction	-0.13	44.44
33	questionnaires, test validity, test construction, personality measures, test reliability	-0.13	52.11
7	physiological correlates, heart rate, psychophysiology, physiological arousal, anxiety	-0.15	47.09
73	environmental attitudes, conservation (ecological behavior), urban environments, home environment, architecture	-0.16	44.34
10	psychoanalytic theory, history of psychology, psychoanalysis, psychoanalytic interpretation, theories	-0.19	39.83
55	goals, motivation, self-regulation, intention, behavior	-0.20	57.98
71	management personnel, human resource management, business organizations, business management, leadership	-0.24	51.30
11	electroencephalography, electrical activity, evoked potentials, brain, physiological correlates	-0.27	50.89
5	group dynamics, group performance, interpersonal interaction, social interaction, group cohesion	-0.28	37.96
52	sports, athletes, athletic performance, athletic participation, personality correlates	-0.33	32.88
35	cognitive processes, human information storage, attention, human channel capacity, reaction time	-0.37	48.54
89	personnel selection, aptitude measures, test validity, statistical validity, test construction	-0.47	39.24
76	test validity, intelligence measures, test construction, measurement, testing	-0.61	36.78
94	decision making, cognitive processes, judgment, choice behavior, uncertainty	-0.65	37.67

72	driving behavior, drivers, highway safety, automobiles, motor traffic accidents	-0.69	34.03
9	cognitive processes, problem solving, models, theory formulation, knowledge level	-0.76	32.00
24	methodology, statistical analysis, measurement, models, mathematical modeling	-1.01	23.12
95	theories, philosophies, history of psychology, theory formulation, psychology	-1.06	25.31

Anmerkung: \*D = Prävalenzdifferenz (weiblich - männlich)

Tabelle 3. Übersicht über die Themen – sortiert nach Frauenanteil (absteigend).

Thema	Wahrscheinlichste Begriffe	$D^*$ (%)	Frauenanteil (%)
27	human females, sex roles, human males, sex role attitudes, human sex differences	0.99	81.90
70	obesity, eating disorders, bulimia, human females, anorexia nervosa	0.51	81.44
29	prevention, social skills, evaluation, social skills training, aggressive behavior	0.24	78.57
78	mother-child relations, attachment behavior, infant development, mothers, mother-child communication	0.72	74.32
97	posttraumatic stress disorder, emotional trauma, coping behavior, trauma, victimization	0.27	73.73
83	parent-child relations, family relations, childrearing practices, mothers, childhood development	0.91	72.50
91	chronic pain, pain perception, pain management, pain, back pain	0.18	71.08
34	coping behavior, quality of life, neoplasms, client characteristics, well being	0.48	68.90
50	social perception, attribution, judgment, stereotyped attitudes, impression formation	0.48	67.59
66	health behavior, health promotion, health, lifestyle, physical activity	0.16	67.39
37	hydrocortisone, stress reactions, stress, physiological correlates, psychological stress	0.08	66.67
38	cognitive impairment, cognitive ability, neuropsychological assessment, executive function, schizophrenia	0.34	66.50
98	marital relations, couples, marital satisfaction, spouses, relationship quality	0.26	64.71
47	age differences, short-term memory, cognitive ability, aging, cognitive development	0.06	62.60
42	brain, physiological correlates, functional magnetic resonance imaging, neurophysiology, evoked potentials	-0.11	61.21
69	emotions, emotional states, facial expressions, emotional responses, emotional regulation	0.08	61.06
99	occupational stress, stress management, coping behavior, working conditions, health	-0.01	60.80
19	coping behavior, stress management, stress, personality traits, anxiety	0.17	59.63
55	goals, motivation, self-regulation, intention, behavior	-0.20	57.98
45	learning, computer-assisted instruction, teaching methods, learning strategies, instructional media	-0.12	55.00
84	social perception, ingroup outgroup, social identity, stereotyped attitudes, attribution	-0.03	54.17
33	questionnaires, test validity, test construction, personality measures, test reliability	-0.13	52.11

86	human migration, cross-cultural differences, acculturation, immigration, cross-cultural communication	0.00	51.92
51	academic achievement, student characteristics, college students, high school students, elementary school students	0.03	51.76
67	language, semantics, syntax, cognitive processes, evoked potentials	-0.10	51.38
71	management personnel, human resource management, business organizations, business management, leadership	-0.24	51.30
11	electroencephalography, electrical activity, evoked potentials, brain, physiological correlates	-0.27	50.89
60	teacher-student interaction, teacher attitudes, teacher characteristics, teachers, teacher education	-0.01	50.66
46	personality traits, extraversion, neuroticism, personality correlates, individual differences	0.13	50.00
13	criminals, juvenile delinquency, crime, prisoners, forensic psychiatry	-0.10	49.67
96	psychotherapeutic processes, psychotherapeutic outcomes, client-centered therapy, psychotherapeutic techniques, psychoanalysis	0.03	49.27
35	cognitive processes, human information storage, attention, human channel capacity, reaction time	-0.37	48.54
2	morality, social cognition, justice, attribution, motivation	-0.10	47.83
22	memory, human information storage, retention, cognitive processes, recognition (learning)	0.07	47.46
7	physiological correlates, heart rate, psychophysiology, physiological arousal, anxiety	-0.15	47.09
88	attribution, self-concept, emotional states, internal external locus of control, achievement	0.00	45.11
21	verbal communication, nonverbal communication, interpersonal communication, language, interpersonal interaction	-0.13	44.44
73	environmental attitudes, conservation (ecological behavior), urban environments, home environment, architecture	-0.16	44.34
10	psychoanalytic theory, history of psychology, psychoanalysis, psychoanalytic interpretation, theories	-0.19	39.83
89	personnel selection, aptitude measures, test validity, statistical validity, test construction	-0.47	39.24
5	group dynamics, group performance, interpersonal interaction, social interaction, group cohesion	-0.28	37.96
94	decision making, cognitive processes, judgment, choice behavior, uncertainty	-0.65	37.67
76	test validity, intelligence measures, test construction, measurement, testing	-0.61	36.78
72	driving behavior, drivers, highway safety, automobiles, motor traffic accidents	-0.69	34.03
52	sports, athletes, athletic performance, athletic participation, personality	-0.33	32.88

	correlates		
9	cognitive processes, problem solving, models, theory formulation, knowledge level	-0.76	32.00
95	theories, philosophies, history of psychology, theory formulation, psychology	-1.06	25.31
24	methodology, statistical analysis, measurement, models, mathematical modeling	-1.01	23.12

Anmerkung: \**D* = Prävalenzdifferenz (weiblich - männlich)