Tekkieworden GAP report

	instellingsnaam_duo	opleidingsnaam_duo	tot_2015_duo	tot_2016_duo	tot_2017_duo	tot_2018_duo	tot_2019_duo	sparkline
0	ArtEZ	Vormgeving	204.0	228.0	247.0	256.0	252.0	
1	Avans Hogeschool	Business IT & Management	85.0	109.0	90.0	98.0	86.0	
2	Avans Hogeschool	Communicatie	50.0	65.0	99.0	176.0	225.0	
3	Avans Hogeschool	Communication and Multimedia Design	152.0	217.0	270.0	294.0	244.0	
4	Avans Hogeschool	Informatica	221.0	339.0	415.0	433.0	413.0	
5	Avans Hogeschool	Marketing Management	25.0	60.0	162.0	180.0	177.0	
6	Avans Hogeschool	Mechatronica	56.0	81.0	73.0	104.0	124.0	
7	Avans Hogeschool	Technische Informatica	52.0	68.0	103.0	101.0	107.0	
8	Avans Hogeschool	Vormgeving	196.0	223.0	191.0	202.0	171.0	
9	Breda University of Applied Sciences	Creative Business	179.0	187.0	173.0	159.0	173.0	
10	Breda University of Applied Sciences	Creative Media and Game Technologies	158.0	164.0	171.0	158.0	158.0	
11	Breda University of Applied Sciences	Game Technology	10.0	8.0	10.0	9.0	8.0	
12	Breda University of Applied Sciences	Professional Master in Media Innovation	50.0	48.0	37.0	24.0	43.0	
13	Christelijke Hogeschool Ede	Communicatie	41.0	48.0	50.0	68.0	59.0	
14	Christelijke Hogeschool Ede	HBO-ICT	0.0	0.0	0.0	23.0	35.0	
15	Christelijke Hogeschool Ede	ICT Service Management	0.0	0.0	0.0	11.0	0.0	
16	Christelijke Hogeschool Windesheim	Communicatie	74.0	88.0	95.0	101.0	143.0	
17	Christelijke Hogeschool Windesheim	HBO-ICT	338.0	455.0	536.0	545.0	534.0	
18	Christelijke Hogeschool Windesheim	ICT-Beheer	4.0	5.0	12.0	1.0	0.0	
19	Christelijke Hogeschool Windesheim	Industrieel Product Ontwerpen	60.0	69.0	56.0	43.0	62.0	
20	Christelijke Hogeschool Windesheim	Software Development	0.0	0.0	82.0	64.0	70.0	
21	De Haagse Hogeschool	Communicatie	117.0	137.0	123.0	104.0	128.0	
22	De Haagse Hogeschool	Communication and Multimedia Design	97.0	132.0	156.0	179.0	157.0	
23	De Haagse Hogeschool	HBO-ICT	748.0	814.0	950.0	862.0	844.0	
24	De Haagse Hogeschool	Industrieel Product Ontwerpen	141.0	158.0	105.0	116.0	147.0	
25	De Haagse Hogeschool	Mechatronica	90.0	90.0	110.0	89.0	100.0	
26	Design Academy Eindhoven	Vormgeving	139.0	117.0	132.0	140.0	140.0	
27	Erasmus Universiteit Rotterdam	International Bachelor's Programme in Communication and Media	178.0	198.0	245.0	287.0	322.0	
28	Erasmus Universiteit Rotterdam	Marketing Management	162.0	174.0	187.0	168.0	180.0	
29	Fontys Hogescholen	AD-ICT	0.0	0.0	0.0	0.0	21.0	

	instellingsnaam_duo	opleidingsnaam_duo	tot_2015_duo	tot_2016_duo	tot_2017_duo	tot_2018_duo	tot_2019_duo	sparkline
30	Fontys Hogescholen	Communicatie	476.0	535.0	482.0	425.0	509.0	
31	Fontys Hogescholen	HBO-ICT	733.0	679.0	888.0	914.0	901.0	
32	Fontys Hogescholen	ICT Service Management	37.0	31.0	19.0	25.0	19.0	
33	Fontys Hogescholen	Industrieel Product Ontwerpen	84.0	89.0	62.0	65.0	58.0	
34	Fontys Hogescholen	Informatica	36.0	42.0	65.0	69.0	74.0	
35	Fontys Hogescholen	Mechatronica	181.0	228.0	231.0	204.0	236.0	
36	Fontys Hogescholen	Vormgeving	20.0	20.0	32.0	26.0	26.0	
37	HZ University of Applied Sciences	Communicatie	27.0	22.0	20.0	26.0	19.0	
38	HZ University of Applied Sciences	HBO-ICT	29.0	52.0	41.0	40.0	45.0	
39	Hanzehogeschool Groningen	Bio-informatica	31.0	30.0	48.0	44.0	21.0	
40	Hanzehogeschool Groningen	Communicatie	155.0	203.0	235.0	240.0	266.0	
41	Hanzehogeschool Groningen	Communication and Multimedia Design	225.0	290.0	336.0	306.0	299.0	
42	Hanzehogeschool Groningen	Data Science for Life Sciences	0.0	0.0	0.0	0.0	20.0	
43	Hanzehogeschool Groningen	HBO-ICT	200.0	277.0	284.0	219.0	209.0	
44	Hanzehogeschool Groningen	Industrieel Product Ontwerpen	42.0	60.0	54.0	46.0	40.0	
45	Hanzehogeschool Groningen	Smart Systems Engineering	7.0	9.0	6.0	7.0	15.0	
46	Hanzehogeschool Groningen	Vormgeving	72.0	89.0	65.0	109.0	84.0	
47	Hogeschool INHOLLAND	Business IT & Management	56.0	58.0	64.0	61.0	86.0	
48	Hogeschool INHOLLAND	Communicatie	139.0	85.0	80.0	71.0	115.0	
49	Hogeschool INHOLLAND	Creative Business	341.0	505.0	562.0	566.0	653.0	
50	Hogeschool INHOLLAND	IT Service Management	0.0	0.0	11.0	14.0	32.0	
51	Hogeschool INHOLLAND	Informatica	91.0	35.0	90.0	112.0	137.0	
52	Hogeschool INHOLLAND	Technische Informatica	34.0	29.0	40.0	47.0	34.0	
53	Hogeschool Leiden	Bio-informatica	84.0	91.0	56.0	62.0	59.0	
54	Hogeschool Leiden	Communicatie	94.0	88.0	101.0	96.0	131.0	
55	Hogeschool Leiden	Informatica	167.0	222.0	197.0	255.0	209.0	
56	Hogeschool Rotterdam	Business IT & Management	93.0	91.0	161.0	164.0	170.0	
57	Hogeschool Rotterdam	Communicatie	99.0	129.0	138.0	135.0	124.0	
58	Hogeschool Rotterdam	Communication and Multimedia Design	103.0	124.0	139.0	120.0	83.0	
59	Hogeschool Rotterdam	Creative Media and Game Technologies	75.0	49.0	71.0	49.0	59.0	
60	Hogeschool Rotterdam	ICT Internet of Things	0.0	0.0	0.0	0.0	17.0	
61	Hogeschool Rotterdam	ICT Service Management	71.0	76.0	116.0	94.0	72.0	
62	Hogeschool Rotterdam	Industrieel Product Ontwerpen	74.0	72.0	66.0	86.0	83.0	
63	Hogeschool Rotterdam	Informatica	221.0	264.0	254.0	215.0	196.0	

	instellingsnaam_duo	opleidingsnaam_duo	tot_2015_duo	tot_2016_duo	tot_2017_duo	tot_2018_duo	tot_2019_duo	sparkline
64	Hogeschool Rotterdam	Master Design	0.0	25.0	11.0	10.0	7.0	
65	Hogeschool Rotterdam	Technische Informatica	39.0	59.0	71.0	94.0	103.0	
66	Hogeschool Rotterdam	Vormgeving	199.0	288.0	261.0	291.0	392.0	
67	Hogeschool Utrecht	Communicatie	148.0	140.0	173.0	144.0	157.0	
68	Hogeschool Utrecht	Communication and Multimedia Design	161.0	214.0	150.0	256.0	228.0	
69	Hogeschool Utrecht	Creative Business	294.0	208.0	202.0	259.0	292.0	
70	Hogeschool Utrecht	Data-driven Design	0.0	0.0	0.0	22.0	21.0	
71	Hogeschool Utrecht	HBO-ICT	355.0	373.0	382.0	491.0	463.0	
72	Hogeschool Utrecht	Next Level Engineering	0.0	0.0	0.0	0.0	15.0	
73	Hogeschool der Kunsten Den Haag	Type and Media	12.0	12.0	12.0	12.0	12.0	
74	Hogeschool der Kunsten Den Haag	Vormgeving	143.0	134.0	154.0	164.0	148.0	
75	Hogeschool van Amsterdam	Communicatie	123.0	176.0	193.0	124.0	155.0	
76	Hogeschool van Amsterdam	Communication and Multimedia Design	226.0	292.0	352.0	271.0	272.0	
77	Hogeschool van Amsterdam	Creative Business	404.0	502.0	506.0	742.0	807.0	
78	Hogeschool van Amsterdam	Cybersecurity	0.0	0.0	0.0	0.0	47.0	
79	Hogeschool van Amsterdam	Digital Design	0.0	0.0	24.0	24.0	24.0	
80	Hogeschool van Amsterdam	Digital Driven Business	0.0	0.0	0.0	0.0	26.0	
81	Hogeschool van Amsterdam	HBO-ICT	493.0	627.0	731.0	657.0	707.0	
82	Hogeschool van Arnhem en Nijmegen	Bio-informatica	61.0	57.0	57.0	39.0	37.0	
83	Hogeschool van Arnhem en Nijmegen	Communicatie	156.0	165.0	210.0	196.0	205.0	
84	Hogeschool van Arnhem en Nijmegen	Communication and Multimedia Design	179.0	214.0	225.0	188.0	188.0	
85	Hogeschool van Arnhem en Nijmegen	Engineering Systems	0.0	0.0	162.0	125.0	115.0	
86	Hogeschool van Arnhem en Nijmegen	HBO-ICT	315.0	352.0	384.0	330.0	339.0	
87	Hogeschool van Arnhem en Nijmegen	Industrieel Product Ontwerpen	91.0	82.0	68.0	72.0	55.0	
88	Hogeschool van Arnhem en Nijmegen	Online Marketing en Sales	0.0	0.0	16.0	63.0	44.0	
89	Hogeschool van Arnhem en Nijmegen	Smart Industry	0.0	0.0	0.0	0.0	5.0	
90	Hogeschool voor de Kunsten Utrecht	Creative Media and Game Technologies	86.0	117.0	106.0	101.0	118.0	
91	Hogeschool voor de Kunsten Utrecht	Crossover Creativity	20.0	19.0	29.0	25.0	21.0	
92	Hogeschool voor de Kunsten Utrecht	Vormgeving	254.0	264.0	321.0	308.0	263.0	
93	Maastricht University	Business Intelligence and Smart Services	0.0	0.0	29.0	39.0	41.0	
94	Maastricht University	Data Science and Knowledge Engineering	75.0	59.0	103.0	136.0	132.0	
95	Maastricht University	European Studies on Society, Science and Technology	0.0	0.0	0.0	0.0	18.0	

	instellingsnaam_duo	opleidingsnaam_duo	tot_2015_duo	tot_2016_duo	tot_2017_duo	tot_2018_duo	tot_2019_duo	sparkline
96	Maastricht University	Information and Network Economics	7.0	3.0	8.0	0.0	0.0	
97	NHL Stenden Hogeschool	Communicatie	51.0	43.0	55.0	63.0	58.0	
98	NHL Stenden Hogeschool	Communication and Multimedia Design	135.0	94.0	114.0	130.0	130.0	
99	NHL Stenden Hogeschool	Content & Media Strategy	0.0	0.0	0.0	24.0	55.0	
100	NHL Stenden Hogeschool	Creative Business	171.0	140.0	147.0	170.0	244.0	
101	NHL Stenden Hogeschool	Creative Media Professional	0.0	0.0	0.0	8.0	34.0	
102	NHL Stenden Hogeschool	HBO-ICT	115.0	113.0	120.0	119.0	121.0	
103	NHL Stenden Hogeschool	ICT-Beheer	17.0	12.0	9.0	8.0	5.0	
104	NHL Stenden Hogeschool	IT Service Management	13.0	5.0	5.0	4.0	12.0	
105	NHL Stenden Hogeschool	Informatica	75.0	76.0	61.0	91.0	62.0	
106	NHL Stenden Hogeschool	Online Contentcreator	0.0	0.0	0.0	12.0	53.0	
107	NHL Stenden Hogeschool	Serious Gaming	0.0	0.0	9.0	15.0	17.0	
108	NHL Stenden Hogeschool	Technische Informatica	4.0	13.0	9.0	9.0	4.0	
109	Radboud Universiteit Nijmegen	Artificial Intelligence	27.0	31.0	184.0	166.0	192.0	
110	Radboud Universiteit Nijmegen	Communicatie- & Informatiewetenschappen	116.0	96.0	92.0	102.0	93.0	
111	Radboud Universiteit Nijmegen	Communicatie- en Informatiewetenschappen	104.0	127.0	172.0	190.0	175.0	
112	Radboud Universiteit Nijmegen	Communicatiewetenschap	140.0	139.0	146.0	184.0	215.0	
113	Radboud Universiteit Nijmegen	Computing Science	33.0	63.0	63.0	212.0	262.0	
114	Radboud Universiteit Nijmegen	Informatica	68.0	61.0	71.0	0.0	0.0	
115	Radboud Universiteit Nijmegen	Information Sciences	20.0	18.0	19.0	23.0	22.0	
116	Radboud Universiteit Nijmegen	Kunstmatige Intelligentie	94.0	126.0	0.0	0.0	0.0	
117	Rijksuniversiteit Groningen	Artificial Intelligence	16.0	23.0	26.0	48.0	65.0	
118	Rijksuniversiteit Groningen	Communicatie- & Informatiewetenschappen	76.0	70.0	66.0	80.0	58.0	
119	Rijksuniversiteit Groningen	Communicatie- en Informatiewetenschappen	71.0	56.0	43.0	59.0	69.0	
120	Rijksuniversiteit Groningen	Computing Science	24.0	24.0	32.0	40.0	44.0	
121	Rijksuniversiteit Groningen	Human-Machine Communication	9.0	11.0	11.0	17.0	14.0	
122	Rijksuniversiteit Groningen	Industrial Engineering and Management	87.0	61.0	65.0	76.0	59.0	
123	Rijksuniversiteit Groningen	Informatica	70.0	75.0	89.0	78.0	158.0	
124	Rijksuniversiteit Groningen	Informatiekunde	33.0	33.0	20.0	16.0	34.0	
125	Rijksuniversiteit Groningen	Kunstmatige Intelligentie	98.0	99.0	111.0	156.0	115.0	
126	Rijksuniversiteit Groningen	Marketing	157.0	164.0	163.0	191.0	153.0	

	instellingsnaam_duo	opleidingsnaam_duo	tot_2015_duo	tot_2016_duo	tot_2017_duo	tot_2018_duo	tot_2019_duo	sparkline
127	Rijksuniversiteit Groningen	Technology and Operations Management	79.0	68.0	62.0	75.0	69.0	
128	Saxion Hogeschool	Business IT & Management	0.0	0.0	0.0	0.0	0.0	
129	Saxion Hogeschool	Creative Business	139.0	140.0	124.0	197.0	268.0	
130	Saxion Hogeschool	Creative Media and Game Technologies	210.0	151.0	214.0	154.0	172.0	
131	Saxion Hogeschool	HBO-ICT	264.0	275.0	299.0	280.0	228.0	
132	Saxion Hogeschool	Industrieel Product Ontwerpen	34.0	43.0	38.0	57.0	45.0	
133	Saxion Hogeschool	Innovative Textile Development	0.0	9.0	15.0	7.0	12.0	
134	Saxion Hogeschool	Mechatronica	48.0	56.0	69.0	75.0	109.0	
135	Saxion Hogeschool	Technische Informatica	25.0	33.0	51.0	60.0	62.0	
136	Technische Universiteit Delft	Complex Systems Engineering and Management	85.0	54.0	63.0	78.0	100.0	
137	Technische Universiteit Delft	Computer Engineering	28.0	19.0	28.0	19.0	23.0	
138	Technische Universiteit Delft	Computer Science	120.0	142.0	198.0	179.0	192.0	
139	Technische Universiteit Delft	Design for Interaction	104.0	86.0	120.0	98.0	109.0	
140	Technische Universiteit Delft	Embedded Systems	63.0	53.0	66.0	75.0	53.0	
141	Technische Universiteit Delft	Engineering and Policy Analysis	39.0	56.0	68.0	68.0	68.0	
142	Technische Universiteit Delft	Industrieel Ontwerpen	253.0	238.0	311.0	305.0	319.0	
143	Technische Universiteit Delft	Integrated Product Design	128.0	92.0	103.0	118.0	116.0	
144	Technische Universiteit Delft	Management of Technology	74.0	65.0	77.0	84.0	95.0	
145	Technische Universiteit Delft	Strategic Product Design	90.0	68.0	106.0	116.0	107.0	
146	Technische Universiteit Delft	Technische Informatica	182.0	224.0	339.0	748.0	435.0	
147	Technische Universiteit Eindhoven	Business Information Systems	31.0	26.0	26.0	6.0	0.0	
148	Technische Universiteit Eindhoven	Computer Science and Engineering	88.0	97.0	119.0	154.0	229.0	
149	Technische Universiteit Eindhoven	Data Science (joint degree)	0.0	25.0	36.0	55.0	72.0	
150	Technische Universiteit Eindhoven	Data Science and Entrepreneurship (joint degree)	0.0	3.0	9.0	51.0	40.0	
151	Technische Universiteit Eindhoven	Embedded Systems	79.0	68.0	83.0	72.0	60.0	
152	Technische Universiteit Eindhoven	Human-technology Interaction	33.0	46.0	50.0	46.0	55.0	
153	Technische Universiteit Eindhoven	Industrial Design	230.0	265.0	311.0	220.0	258.0	
154	Technische Universiteit Eindhoven	Technische Informatica	237.0	309.0	289.0	206.0	240.0	
155	Tilburg University	Business Analytics and Operations Research	30.0	32.0	41.0	42.0	36.0	

	instellingsnaam_duo	opleidingsnaam_duo	tot_2015_duo	tot_2016_duo	tot_2017_duo	tot_2018_duo	tot_2019_duo	sparkline
156	Tilburg University	Cognitive Science and Artificial Intelligence	0.0	0.0	0.0	0.0	116.0	
157	Tilburg University	Communicatie- & Informatiewetenschappen	199.0	239.0	264.0	349.0	312.0	
158	Tilburg University	Communicatie- & Informatiewetenschappen (research)	4.0	5.0	1.0	1.0	0.0	
159	Tilburg University	Communicatie- en Informatiewetenschappen	126.0	165.0	255.0	337.0	327.0	
160	Tilburg University	Data Science (joint degree)	0.0	0.0	35.0	38.0	41.0	
161	Tilburg University	Data Science and Entrepreneurship (joint degree)	0.0	7.0	21.0	45.0	44.0	
162	Tilburg University	Data Science and Society	0.0	0.0	0.0	0.0	186.0	
163	Tilburg University	Information Management	77.0	96.0	114.0	133.0	108.0	
164	Tilburg University	Marketing Analytics	18.0	22.0	36.0	53.0	55.0	
165	Tilburg University	Marketing Management	137.0	214.0	265.0	207.0	222.0	
166	Universiteit Leiden	Computer Science	30.0	36.0	58.0	58.0	94.0	
167	Universiteit Leiden	ICT in Business and the Public Sector	38.0	43.0	33.0	40.0	38.0	
168	Universiteit Leiden	Informatica	62.0	67.0	84.0	89.0	139.0	
169	Universiteit Leiden	Mediatechnology	22.0	31.0	24.0	36.0	26.0	
170	Universiteit Twente	Advanced Technology	67.0	67.0	64.0	69.0	45.0	
171	Universiteit Twente	Business Information Technology	45.0	72.0	85.0	111.0	99.0	
172	Universiteit Twente	Communicatiewetenschap	84.0	114.0	107.0	108.0	111.0	
173	Universiteit Twente	Communication Studies	92.0	95.0	73.0	79.0	72.0	
174	Universiteit Twente	Computer Science	54.0	58.0	66.0	70.0	96.0	
175	Universiteit Twente	Creative Technology	83.0	89.0	113.0	112.0	117.0	
176	Universiteit Twente	Embedded Systems	26.0	21.0	35.0	27.0	46.0	
177	Universiteit Twente	Industrial Design Engineering	79.0	71.0	76.0	73.0	77.0	
178	Universiteit Twente	Industrial Engineering and Management	67.0	59.0	79.0	90.0	84.0	
179	Universiteit Twente	Industrieel Ontwerpen	82.0	89.0	125.0	123.0	134.0	
180	Universiteit Twente	Interaction Technology	42.0	36.0	33.0	47.0	70.0	
181	Universiteit Twente	Internet Science and Technology	1.0	4.0	6.0	3.0	3.0	
182	Universiteit Twente	Technical Computer Science	0.0	0.0	0.0	0.0	268.0	
183	Universiteit Twente	Technische Informatica	57.0	108.0	137.0	179.0	0.0	
184	Universiteit Utrecht	Artificial Intelligence	33.0	42.0	61.0	88.0	85.0	
185	Universiteit Utrecht	Communicatie- & Informatiewetenschappen	30.0	34.0	34.0	30.0	33.0	
186	Universiteit Utrecht	Communicatie- en Informatiewetenschappen	74.0	58.0	62.0	92.0	141.0	
187	Universiteit Utrecht	Informatica	228.0	248.0	201.0	245.0	254.0	
188	Universiteit Utrecht	Informatiekunde	99.0	104.0	85.0	85.0	94.0	
189	Universiteit Utrecht	Information Science	39.0	63.0	78.0	84.0	104.0	
190	Universiteit Utrecht	Kunstmatige Intelligentie	61.0	65.0	146.0	174.0	95.0	
191	Universiteit van Amsterdam	Artificial Intelligence	56.0	80.0	132.0	168.0	92.0	
192	Universiteit van Amsterdam	Communicatie- & Informatiewetenschappen	9.0	15.0	8.0	15.0	14.0	

	instellingsnaam_duo	opleidingsnaam_duo	tot_2015_duo	tot_2016_duo	tot_2017_duo	tot_2018_duo	tot_2019_duo	sparkline
193	Universiteit van Amsterdam	Communicatie- & Informatiewetenschappen (research)	5.0	7.0	6.0	3.0	4.0	
194	Universiteit van Amsterdam	Communicatiewetenschap	502.0	693.0	758.0	774.0	811.0	
195	Universiteit van Amsterdam	Communication Science (research)	15.0	12.0	34.0	23.0	46.0	
196	Universiteit van Amsterdam	Computational Science	41.0	0.0	0.0	0.0	0.0	
197	Universiteit van Amsterdam	Computational Science (joint degree)	0.0	33.0	47.0	56.0	68.0	
198	Universiteit van Amsterdam	Computer Science (joint degree)	0.0	11.0	17.0	75.0	17.0	
199	Universiteit van Amsterdam	Informatica	60.0	85.0	69.0	87.0	113.0	
200	Universiteit van Amsterdam	Informatiekunde	57.0	42.0	54.0	62.0	68.0	
201	Universiteit van Amsterdam	Information Studies	126.0	146.0	162.0	176.0	152.0	
202	Universiteit van Amsterdam	Kunstmatige Intelligentie	65.0	114.0	134.0	100.0	77.0	
203	Universiteit van Amsterdam	Medische Informatiekunde	43.0	31.0	25.0	26.0	36.0	
204	Universiteit van Amsterdam	Security and Network Engineering	31.0	26.0	27.0	27.0	38.0	
205	Universiteit van Amsterdam	Software Engineering	32.0	43.0	47.0	40.0	28.0	
206	Vrije Universiteit Amsterdam	Artificial Intelligence	28.0	23.0	41.0	49.0	219.0	
207	Vrije Universiteit Amsterdam	Bioinformatics	19.0	27.0	33.0	0.0	0.0	
208	Vrije Universiteit Amsterdam	Business Analytics	96.0	148.0	162.0	145.0	173.0	
209	Vrije Universiteit Amsterdam	Communicatie- & Informatiewetenschappen	43.0	66.0	48.0	56.0	43.0	
210	Vrije Universiteit Amsterdam	Communicatie- en Informatiewetenschappen	43.0	53.0	67.0	84.0	69.0	
211	Vrije Universiteit Amsterdam	Communicatiewetenschap	333.0	293.0	276.0	248.0	246.0	
212	Vrije Universiteit Amsterdam	Computational Science (joint degree)	0.0	0.0	0.0	0.0	0.0	
213	Vrije Universiteit Amsterdam	Computer Science	93.0	124.0	162.0	159.0	164.0	
214	Vrije Universiteit Amsterdam	Computer Science (joint degree)	0.0	51.0	37.0	38.0	71.0	
215	Vrije Universiteit Amsterdam	Information Sciences	102.0	83.0	76.0	83.0	55.0	
216	Vrije Universiteit Amsterdam	Lifestyle Informatics	17.0	27.0	35.0	47.0	0.0	
217	Vrije Universiteit Amsterdam	Marketing	162.0	122.0	142.0	180.0	156.0	
218	Vrije Universiteit Amsterdam	Parallel and Distributed Computer Systems	5.0	14.0	11.0	5.0	4.0	
219	Wageningen University	Bioinformatics	25.0	20.0	27.0	37.0	36.0	
220	Zuyd Hogeschool	Communication and Multimedia Design	60.0	79.0	76.0	78.0	51.0	
221	Zuyd Hogeschool	HBO-ICT	125.0	143.0	139.0	162.0	113.0	
222	Zuyd Hogeschool	ICT	0.0	0.0	109.0	92.0	53.0	
223	Zuyd Hogeschool	Vormgeving	68.0	69.0	87.0	75.0	85.0	
224	transnationale Universiteit Limburg	Artificial Intelligence	26.0	18.0	23.0	46.0	47.0	

	instellingsnaam_duo	opleidingsnaam_duo	tot_2015_duo	tot_2016_duo	tot_2017_duo	tot_2018_duo	tot_2019_duo	sparkline
225	transnationale Universiteit Limburg	Data Science for Decision Making	6.0	19.0	24.0	35.0	40.0	