For this research, I used the karora server. I logged into karora in my ubuntu shell. In this shell I entered commands that counted the amount of tweets and swear words for me per year. The numbers I found are in the tables below. I used these numbers to make the graphics.

To reproduce these numbers, here are examples of the commands I used. For the other years, the date has to be changed. For other words, the swear word should be changed.

the amount of tweets on 02/03/2023 19:00= 37644
command = zless /net/corpora/twitter2/Tweets/2023/03/20230302\:19.out.gz | /net/corpora/twitter2/tools/tweet2tab text | wc -l

the amount of times 'kut' on 02/03/2023 19:00= 84
command = zless /net/corpora/twitter2/Tweets/2023/03/20230302\:19.out.gz | /net/corpora/twitter2/tools/tweet2 tab text | grep -Eo '\w+' | grep 'kut' | wc -l

the amount of tweets on 02/03/2016 19:00= 46413
command = zless /net/corpora/twitter2/Tweets/2016/03/20160302\:19.out.gz | /net/corpora/twitter2/tools/tweet2tab text | wc -l

the amount of times 'lul' on 02/03/2017 19:00= 88
command = zless /net/corpora/twitter2/Tweets/2016/03/20160302\:19.out.gz | /net/corpora/twitter2/tools/tweet2tab text | grep -Eo '\w+' | grep
 'lul' | wc -l

'kut' year ↓	Amount of Tweets	Amount of times swear word	ratio (= tweets / swear word)
2013	160212	1058	0.00660375
2014	76567	399	0.0052111223
2015	57417	126	0.002194472
2016	46413	101	0.0021761145
2017	41860	100	0.0023889154
2018	32704	84	0.0025684932
2019	26056	77	0.0029551735
2020	35276	88	0.0024946139
2021	46525	141	0.0030306287
2022	45334	95	0.0020955574
2023	37644	84	0.0022314313

'godverdomme' year ↓	Amount of Tweets	Amount of times swear word*	ratio (= tweets / swear word)
2013	160212	41+159=200	0.0012483459
2014	76567	28+65=93	0.0012146225
2015	57417	8+23=31	0.0005399098
2016	46413	2+7=9	0.0001939112
2017	41860	2+9=11	0.0002627807
2018	32704	9+7=16	0.0004892368
2019	26056	4+7=11	0.0004221676
2020	35276	6+12=18	0.0005102619
2021	46525	8+11=19	0.0004083826
2022	45334	3+21=24	0.000529404
2023	37644	3+6=9	0.0002390819

* first number is 'godverdomme', the second is 'gvd', the third is the total

'lul' year ↓	Amount of Tweets	Amount of times swear word	ratio (= tweets / swear word)
2013	160212	228	0.0014231144
2014	76567	126	0.0016456176
2015	57417	90	0.00156748
2016	46413	88	0.0018960205
2017	41860	195	0.0046583851
2018	32704	83	0.0025379159
2019	26056	61	0.0023411115
2020	35276	98	0.0027780928
2021	46525	108	0.0023213326
2022	45334	148	0.0032646579
2023	37644	99	0.0026299012