

Appendix

Cultural data science - Final project

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Appendix 1

Visualizations with R

Figure 1:

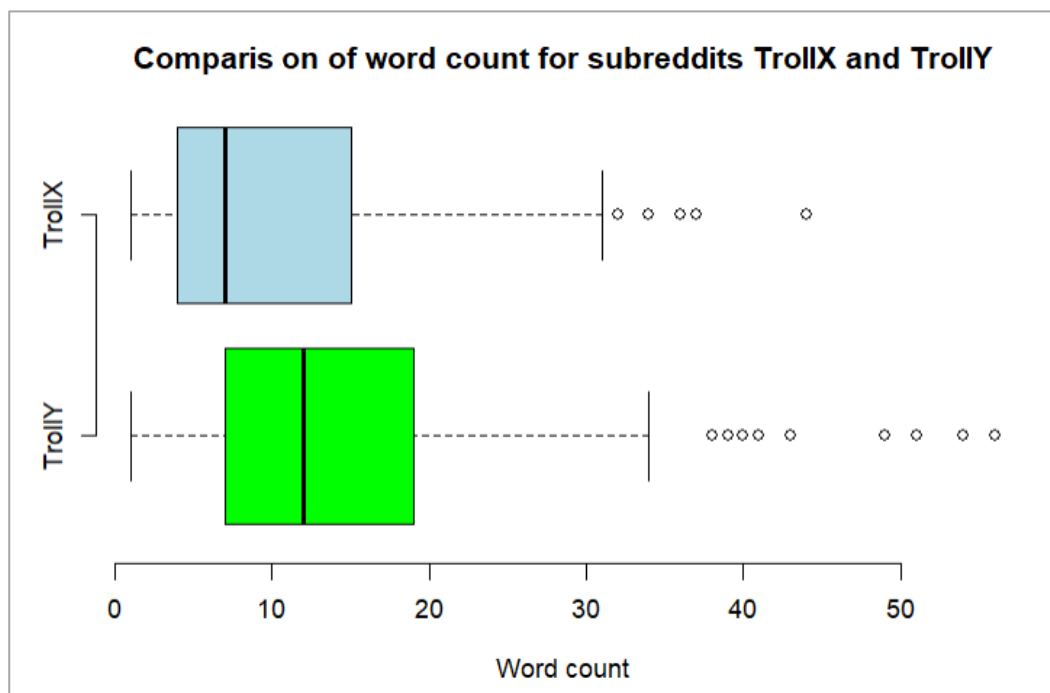


Figure 2:

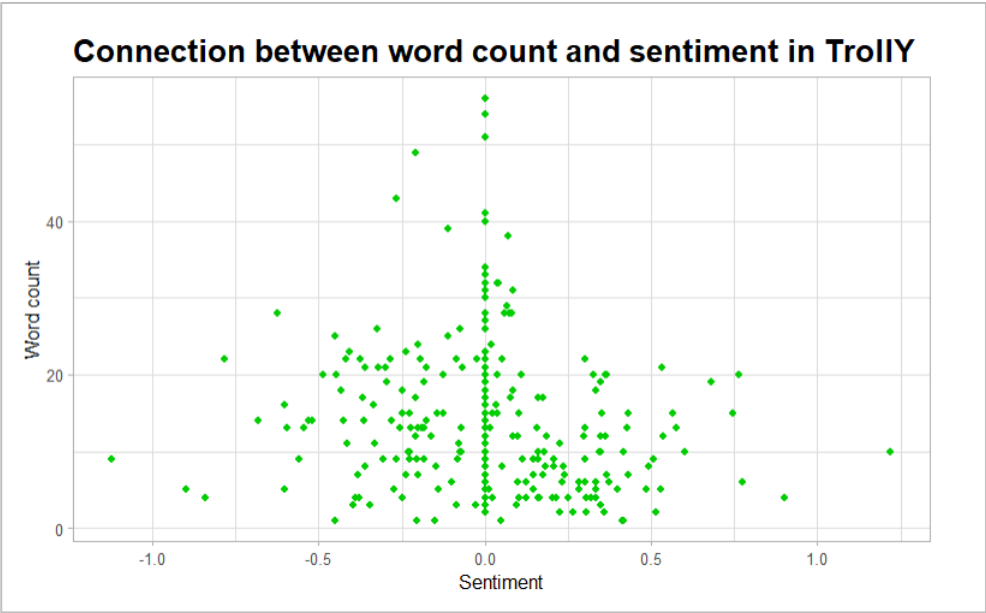


Figure 3:

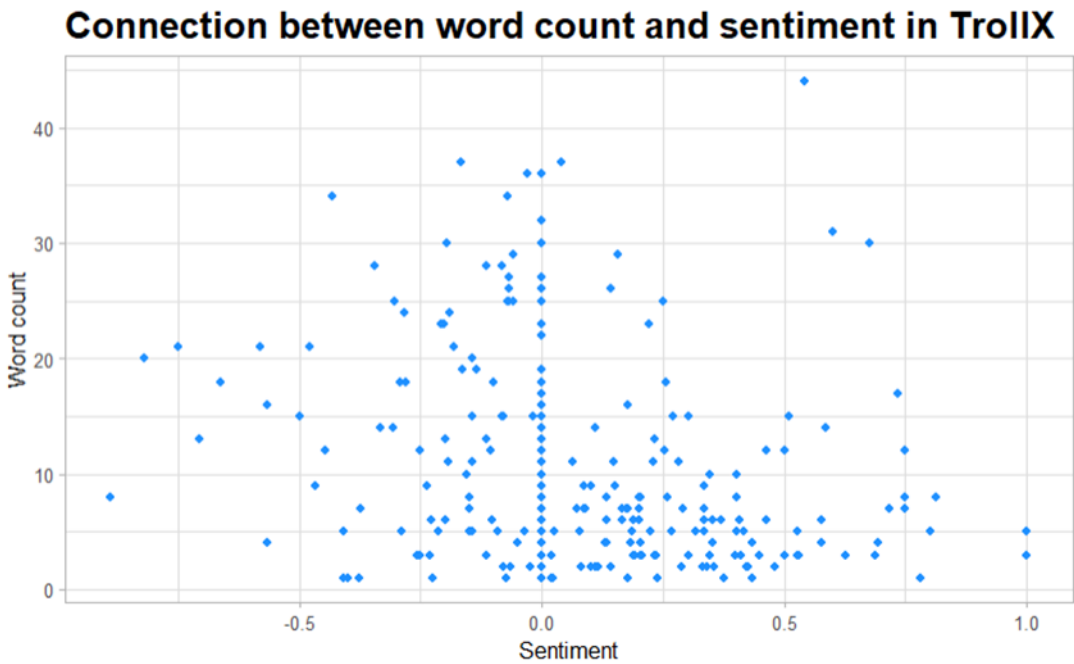


Figure 4:

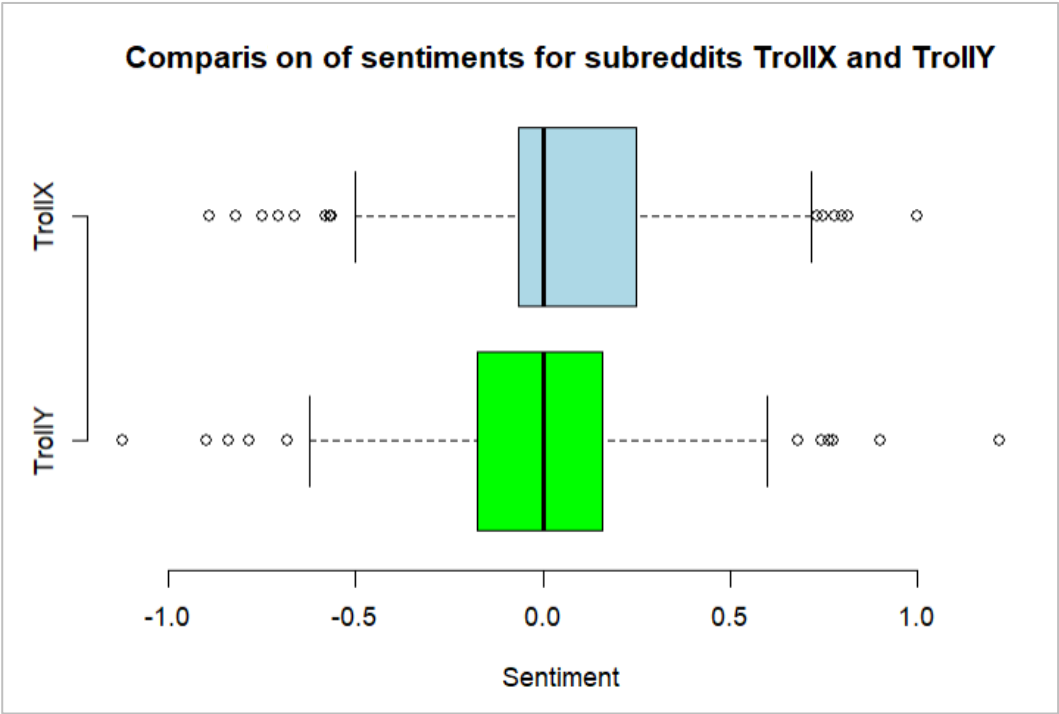


Figure 5:

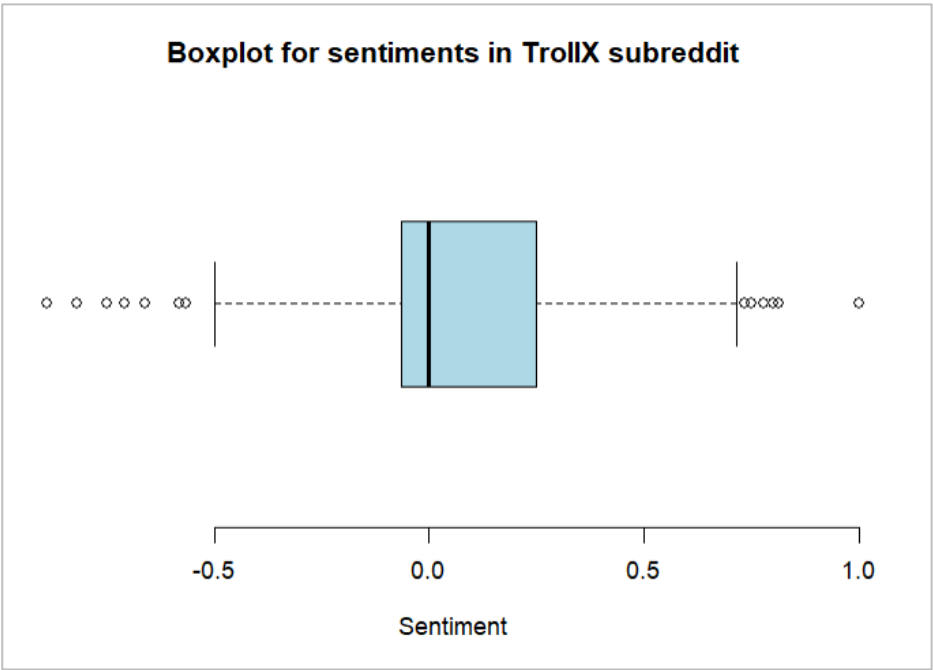
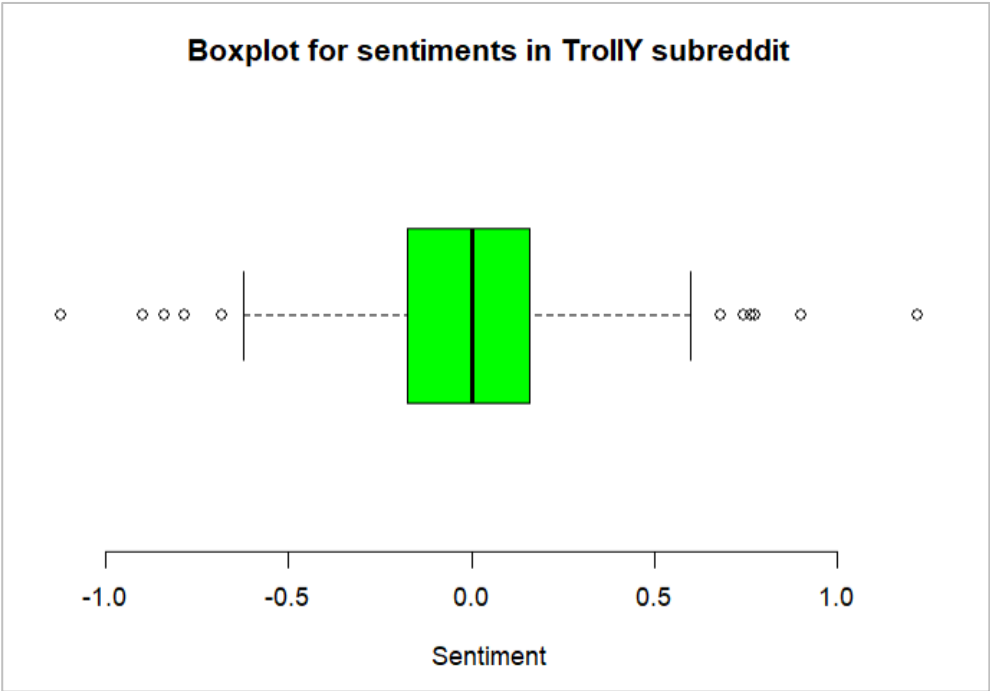


Figure 6:



Appendix 2 - TrollX dataset in Excel format

Date	data/created_a_data/score	data/text	data/url	
2018 05	1525444599	630	Happy May the Fourth Troils! Take your pills. Do sef	https://media.giphy.com/media/2owwYCrGQwC61NtdK/giphy.gif
2017 09	1496323200	617	https://img.buzzfeed.com/buzzfeed-static/static/2017/05/15/asset/buzzfeed-prod-fastlane-02/sub-buzz-1331-1494012035-4.jpg?downsize=715-*&output-format=auto&output-quality=auto	https://img.buzzfeed.com/buzzfeed-static/static/2017/05/15/asset/buzzfeed-prod-fastlane-02/sub-buzz-1331-1494012035-4.jpg?downsize=715-*&amp;output-format=auto&amp;output-quality=auto
2018 05	1525249599	5990	And it's still somehow the woman's fault	https://redd.it/zt3j3tm1adv01.jpg
2018 01	1514926193	3271	Iceland just made it illegal to pay men more than wo	https://i.imgur.com/vVRHki.gifv
2018 02	1517697895	548	MRW Uma Thurman finally breaks her silence	https://i.imgur.com/u4d6Vur.gif
2018 02	1517705619	2286	Yes, you did, girl. Keep it going.	https://78.media.tumblr.com/72d5d736ec37999206da5e7ba748b6d9d/tumblr_n8a3vcrim1rxcwda1_500.gif
2017 12	1512124146	613	Today on "W": "White Victims Don't Come Forward"	https://www.comics.com/comics/white-victims-dont-come-forward-her-being-blamed-for-a-ill-house-of-cards-4c-B8G1G2d3cde-spartansto
2018 07	1530454148	8378	Hustle Status: Respected	https://redd.it/46fsmuaz7a7211.jpg
2017 09	1496407807	809	It's almost the weekend, so here's a reminder of th	https://i.imgur.com/taXQ2wW
2018 03	1520023534	920	MRW Reddit front page has posts about Russian tro	https://media3.giphy.com/media/7p6d0Q6e5dFC/giphy.gif
2018 02	1517664023	6443	Finally someone said it.	https://redd.it/39a6e000d01.jpg
2018 04	1522838869	8910	Best shutdown of a sexist joke	https://redd.it/2m3b6d77gwp01.jpg
2018 05	1533338984	751	Mathematielle Maupain was a french opera singer w	https://redd.it/63jagp5p0t11.jpg
2017 12	1512149360	759	This is nice	https://redd.it/5oc4dmc103.jpg
2018 07	1530680974	830	Hine-nui-te-pō >> Venus	https://redd.it/4t6ojg6r711.jpg
2018 01	1514912011	945	The original trolls	https://redd.it/73a1m09nqz001.jpg
2018 03	1520061925	756	MRW I see another girl in class wearing leggings, b	https://i.imgur.com/33b9b3M.gif
2017 12	1512350560	567	I think I look hot tonight, but my damn camera won't	https://i.imgur.com/4a4e0d0a.jpg
2018 01	1515010237	773	A little thicker... a little thicker... Oh goddamn	https://i.imgur.com/5ec52M.jpg
2018 02	1517662117	903	Time to sharpen your teeth, Troils	https://redd.it/6c0hmfm1vnd01.jpg
2018 05	1525261565	689	Guys who "hate makeup" but also expect women to	https://redd.it/6u2z6rfu0v01.jpg
2018 04	1522781699	700	That is convenient...	https://i.imgur.com/CX2J86Q.png
2017 10	1506821585	691	Truth in cross-stitch	https://redd.it/49wag810d0a.jpg
2018 02	1517528370	1344	Why step at 15 cats?	https://i.imgur.com/3808m1.jpg
2017 10	1506818173	1198	Pockets!	https://i.imgur.com/aN0maga.jpg
2018 02	1517448160	2610	Troll party. PIs respond	https://i.imgur.com/uwMY0T.jpg
2018 03	1520031896	2137	Baby troll is a genius!	https://i.imgur.com/3Uab74a.jpg
2018 02	1517758740	4451	Happy Sunday ladies! God bless (or whatever you be	https://redd.it/3m2asq7a7e01.jpg
2018 06	1527929664	858	Why has it taken me so long to learn this... it can be	https://i.imgur.com/3C4QWw.jpg
2017 10	1506877231	1143	DO! "I love asian chicks"	https://redd.it/2b3u3b6a72a.jpg
2017 10	1506951936	4277	Always the bridesmaid...	https://redd.it/2odm9efl0a.jpg
2018 05	1525366154	5334	Right as usual.	https://redd.it/6s23yoo67we01.jpg
2018 08	1533084398	3141	Truth	https://i.imgur.com/vr0rV8a
2017 10	1507067436	710	Friendrind	https://redd.it/6opd8kagz0r.jpg
2018 07	1538668061	563	Well, that went better than expected	https://i.imgur.com/00d0b7b.jpg
2017 10	1506990817	977	...go on	https://redd.it/47d3b0wfw.jpg
2018 02	1517594891	886	I am greatly amused. And would read/watch a series	https://redd.it/6jbs48k9d01.jpg
2018 07	1530451050	602	HPW trying to celebrate the holiday weekend with t	https://i.imgur.com/6x0FKR9.jpg
2017 09	1496409749	1086	ugh the flashbacks	http://oleated-jesus.com/wp-content/uploads/2015/09/Screen-Shot-2015-09-09-at-5-05-02-PM.jpg
2018 05	1525140949	800	Good rideance	https://i.imgur.com/29d8b8a2b01.jpg
2018 06	1533335132	803	What's in your pants?	https://redd.it/45f0b6d7a011.jpg
2018 06	1528053388	804	When men tell me to "cover up"	https://redd.it/4tq3mkuh111.gif
2018 07	1530433959	764	Adelaide Uni is offering a Master's in Mansplaining	https://i.imgur.com/mnh6fmi.jpg
2018 07	1530550543	945	The University of Well Actually	https://redd.it/7y8d6p3d0r711.jpg
2018 06	1527877234	1066	Probably not far from the truth.	https://redd.it/0vrc47uaf111.jpg
2018 05	1525338330	3537	It's obscen!	https://i.pinimg.com/originals/67/2b/54/672b5423d195b4557ce49724c3263c.jpg
2018 07	1529669066	1739	Men can't have skin	https://redd.it/6c4d6p9v011.jpg
2018 04	1522718470	3589	TFW you read a comment on tumblr that exactly sun	https://redd.it/4g0j0u5wke011.jpg
2017 11	1509578787	2093	Get him, girls	https://i.imgur.com/No3P3m
2018 06	1527940132	5647	I mean, i deserve at LEAST that...	https://redd.it/68yrfyyk111.jpg
2018 03	1520093909	1682	Oh Jared...	https://redd.it/45c625a6e01.jpg
2018 04	1522717723	114	Looking forward to my "summer body" emerging fr	https://redd.it/4b3b6d9a0e011.jpg
2018 07	1530550456	1666	It's OK, they can be prog, homeless, put in cages and	https://redd.it/6mk9u0257711.jpg
2017 10	1506955101	1310	I feel called out by this newspaper from 1907	https://redd.it/6zcf8crsf0a.jpg
2018 05	1525143291	610	I made this GIF to send to time wasting asshats, and	https://i.giphy.com/2a5uf6Guvng8Antamsooster
2017 10	1506908315	847	I imagine it's how dolphins feel when they glide thro	https://i.imgur.com/uV0F8P5
2017 09	1496406022	1117	Ladies, I found this in an AskReddit thread and thou	https://i.imgur.com/7a6m3a4
2017 12	1511511488	1644	Accurate	https://redd.it/4m6d6d6p011.jpg
2018 08	1533250805	1523	Wine drunk troll	https://redd.it/6sqv20fger011.jpg
2018 05	1525291107	738	Males everywhere are whining like snowflakes abou	https://redd.it/6ar2d6c0d011.jpg
2018 05	1525185726	1492	Saw this in r/niceguys and thought it belonged here	https://redd.it/6a7d6yccw0y01.jpg
2017 12	1512330666	998	I love passive aggressive embroidery.	https://redd.it/23oaw0m1011.jpg
2018 06	1527965163	946	When you take off the last pad for this period and	https://i.giphy.com/4b377n6p9agw-4319u0Qacm0d0g1e
2018 02	1517632942	3346	Explains a lot	https://i.imgur.com/6E450W
2018 07	1530523874	593	Holy shit Nantette. Hannah Gadby is amazing. Can	https://78.media.tumblr.com/6413b636cbad419c9638e13ba950ba1d/tumblr_y7T7T1d6w0wda1_540.gif
2018 07	1530546071	6211	Ayyy where my fellow depressed troils at?	https://redd.it/6546tgr11711.jpg
2018 05	1525134358	1508	When you're MRA and finally get your rights	https://redd.it/6p9xocnq15d01.jpg
2018 03	1519910692	1074	Don't tell me what to believe	https://i.imgur.com/7Ng0Jd6.jpg
2017 11	1509485392	1343	Worst feeling ever	https://i.imgur.com/255d5d0n
2017 10	1506962948	578	It's fall, y'all	https://redd.it/4Vymn8d05ag01.jpg
2017 10	1506873435	4096	Too bad she doesn't like you.	https://i.imgur.com/8dmi0rm.jpg
2017 12	1512333141	1747	Sometimes facebook brings me gold.	https://redd.it/6x2bm3109qr101.jpg
2017 11	1509634188	640	Snap back to reality	https://i.imgur.com/2t84d0p
2018 01	1514991487	1361	Advice	https://redd.it/6q820wcdy011.jpg
2018 03	1520409647	1739	The conclusion we've all been waiting for	https://redd.it/6jue9b612b011.jpg
2018 01	1514781521	621	When you are fifth wedding Years...	https://i.imgur.com/79m0z0Bk.jpg
2017 11	1509681348	530	His face when you try to explain that you didn't cur	https://redd.it/68d6c880oqv.jpg
2017 09	1496323290	2543	this is actually cute as hell ok	https://img.buzzfeed.com/buzzfeed-static/static/2017/05/15/asset/buzzfeed-prod-fastlane-01/sub-buzz-18421-1494016762-18.jpg?downsize=715-*&amp;output-format=auto&amp;output-quality=auto
2018 05	1525430551	5823	Reminder for Cinco de Mayo tomorrow	https://redd.it/63h2m010u01.jpg
2018 08	1533248792	3890	WTF at the end of some day	https://i.imgur.com/2a8656a.jpg
2018 01	1514863126	2552	Trollz, I know it's a cliché to start the new year with	https://i.imgur.com/39u6d0W
2018 08	1533108433	527	I'm sure some of you ladies can relate. (Also, the con	https://redd.it/65apuz22nd011.jpg
2017 12	1512242633	842	me, ir	https://i.imgur.com/61Tg8N.gif
2017 09	1496335777	826	MRW someone tells me that once I have a son I'll st	http://i.imgur.com/3Qic8P9.jpg
2017 12	1513254304	670	Fell like I will appreciate this. (Xpost from	https://i.imgur.com/6w0xw0y4u0d01.jpg
2017 11	1509719877	3482	What kind of fucked-up society	https://redd.it/6333b0d8tr0a.jpg
2017 12	1512337329	550	SNL Welcome to Hell	https://www.youtube.com/watch?v=3126uFQ06GQ
2018 06	1527908536	1104	Too reliable.	https://redd.it/680uagv0111.jpg
2018 06	1528047019	1763	You're Bisexual?	https://redd.it/680uagv0111.jpg
2018 07	1530655725	831	My wife sent this to me and said that the trolls wou	https://redd.it/6ytr0m8b7011.jpg
2018 06	1522794209	196	A beautiful love story, featuring pizza [xpost /r/bette	https://i.imgur.com/m1t68r.gifv
2018 06	1527898470	3515	Too real	https://redd.it/6c0b1tq3h011.jpg
2018 04	1522703199	1575	Why are men these days so slutty?	https://redd.it/686f4wmp0d1.jpg
2017 09	1496323227	768	destroying toxic masculinity one witty retort at a tim	https://img.buzzfeed.com/buzzfeed-static/static/2017/05/15/asset/buzzfeed-prod-fastlane-02/sub-buzz-4382-1494012948-1.jpg?downsize=715-*&amp;output-format=auto&amp;output-quality=auto
2017 11	1509579507	704	It's that time of year again, Troils!	https://redd.it/632f0apq9ag01.jpg
2018 03	1519982672	2706	Damn Vapers.	https://i.imgur.com/4ey1vHb8o
2017 09	1496313663	4937	Talk about difference in priorities	https://i.imgur.com/4ey1vHb8o
2018 03	1519907376	1019	Only case when this comment is acceptable	https://i.imgur.com/m8d0m1a.jpg
2018 04	1522856335	505	It's my last day at work - better turn on automatic r	https://redd.it/63nsd7abwv011.jpg
2018 07	1530633018	1619	MRW I, as an American, get a voicemail from a client	http://i.kym-cdn.com/photos/images/newfeed/000/411/964/965.jpg
2017 11	1509625748	949	We don't deserve animals.	https://redd.it/6vsc87892wv.jpg
2018 04	1522758287	6526	Yeah! So much this!	https://redd.it/6m7y67d0cp011.jpg
2018 04	1523464078	2112	Truth	https://redd.it/6p6d6w6e0d011.jpg
2018 06	1527990768	4816	Yesh so this pretty much describes me.	https://redd.it/6c5d8d0q0111.jpg
2018 03	1520024767	1020	Know the difference	https://redd.it/6c72c3u00001.jpg
2018 06	1527861942	754	when I think about how much I love you beautiful tn	https://i.imgur.com/2n600Wh.gifv
2018 08	1533263040	937	Cheers to Equal Pay Day!	https://redd.it/6p6b5d0ag0111.jpg
2017 11	1509486110	1491	but no, they think that we are only victimizing ourse	https://redd.it/68b5e53d0wv.jpg
2018 05	1525138489	878	This made me so happy and	https://redd.it/6w0e1m1c3b2011.jpg
2017 11	1509558833	595	Today on... UNNECESSARILY GENDERED!	https://redd.it/6vur2abw0wv.jpg
2018 07	1530631648	1351	This woman right here	https://redd.it/68d6c880oqv711.jpg
2018 07	1530583289	7297	I always really liked Terry Crews, but my admiration	https://redd.it/6dampg0f4m711.jpg
2018 08	1533268057	757	Just a lil shout out to all the angry, bitter dudes cre	https://redd.it/60wa10c2ep11.jpg
2017 11	1509596775	949	Important as hell	https://redd.it/602p22w0a0a.jpg
2018 03	1520064357	555	Can we please take a moment to talk about the new	https://img.buzzfeed.com/buzzfeed-static/static/2018-02/28/77/asset/buzzfeed-prod-fastlane-03/anig1f_suk-buzz-27820-1519820557-15.gif
2018 04	1522680157	6036	Preach!	https://redd.it/6x2y37u0r0g01.jpg
2017 11	1509575147	887	dear romance writers your heroes don't have to be	https://78.media.tumblr.com/37947e13bf58653cfe1e033e5997886f9/tumblr_uqyph0nf0d1w7e4o2_400.gif
2018 03	1519911844	5657	That makes perfect sense.	https://redd.it/6r3v1d0e001.jpg
2018 07	15306023			

Appendix 2 - TrollX dataset in Excel format

2017-03	152006787	919	MRW My tinder date keeps telling me how sexy I am	https://media.giphy.com/media/7Aa4h3v0rPP9Hw/giphy.gif
2017-12	1511267489	772	Guy on a dating app called me a slut after I said I was	https://imgur.com/Qw4n6tR
2017-12	1506043168	600	MRW someone shames me for counting calories. Val	https://i.redd.it/nyqny9r5c2g0.gif
2018-08	1531193601	511	Today I was diagnosed with endometrial cancer and	https://imgur.com/5GzG8S
2018-01	1514820474	5154	MRW I post a weight loss progress picture and men	https://media1.giphy.com/media/3tn2wP2Zv2wZ/giphy.gif
2018-01	1515095469	518	MRW when my mother tells me stop losing weights	https://media.giphy.com/media/3W9uQy7H8v3r1W/giphy.gif
2018-05	1525292437	603	When the guy sitting next to me at the bar gets hit	https://imgur.com/8x0d9p0
2017-07	1530631388	544	Trolls, this is my cousin. I am beyond horrified	https://imgur.com/3aPSd8b
2018-03	1519926334	515	MRW the dude I have been seeing SERIOUSLY suggest	https://i.redd.it/r3k8a2p6d01.gif
2018-06	1528074770	558	Dating is terrible and I'm starting to feel like there is	https://78.media.tumblr.com/72b529a197a3110594854a57a05676a/humblr_n9wzaxCdtW1a0my1wco1_500.gif
2018-01	1514985702	2399	MRW my ex-boyfriend said if we can still be FWB we	https://imgur.com/3aPSd8b
2018-01	1531266511	1383	Me when my ex talks constantly about what he did to	https://i.redd.it/3aPSd8b.gif
2017-07	1530413986	534	MRW some dude is talking about how he's slept wit	https://giphy.com/gif/netflix-happy-id-wtf/Phno0Q8vq4a4
2018-08	1531330036	1747	MRW during a heated discussion about sexual haras	https://media2.giphy.com/media/3aPSd8b/giphy.gif
2018-04	1522615893	721	MRW a facebook-friend of mine fake outs himself as	https://media2.giphy.com/media/3aPSd8b/giphy.gif
2018-06	1528057522	537	Welp, I'm pregnant	https://media2.giphy.com/media/3aPSd8b/giphy.gif
2018-04	1526162828	3173	Just saw a dude wearing a shirt saying he's looking	https://i.redd.it/3aPSd8b.gif
2018-01	1515073275	1875	MRW the weather channel says we're exiting frigid	https://i.redd.it/3aPSd8b.gif
2018-02	1517518661	770	MRW I was elected chair of a committee I really care	https://media.giphy.com/media/3aPSd8b/giphy.gif
2017-10	1507044975	525	MRW a coworker says "The gap is a myth" in a ci	https://i.redd.it/3aPSd8b.gif
2017-10	1506887386	792	Thought you trolls might appreciate this. It was walk	https://i.redd.it/3aPSd8b.gif
2018-04	1527270747	1738	Guy's on fleek	https://i.redd.it/3aPSd8b.gif
2018-03	1519864431	578	HWFI I start cutting my hair into a pixie cut, then gi	https://imgur.com/3aPSd8b
2018-02	1517583375	4542	One of my students, a 13 year old girl, wants to be a	https://giphy.com/gifs/the-simpsons-morning-lisa-lrQw5Z7EJ60c
2018-01	1514898626	1288	MRW my 5yo daughter continues "Eat your pie" when	https://2.bp.blogspot.com/-5WuQv3n0U7Ymerrm4f/AAIAAAAAAaAw/MBFy6cAtBw/1600/Nathan-Fillmore-reaction.gif
2018-01	1515108011	1078	I spent all of New Year's nauseous, cold, cramping an	https://media2.giphy.com/gif/strong-woman-kid-3aPSd8b.gif
2018-07	1509231298	1110	South Asian friends like to retire. Everyone decides to	https://i.redd.it/3aPSd8b.gif
2017-10	1500808307	925	My dog chugged the charging cord to my favorite voi	https://vfwx.com/News/DidYourDogChug
2017-09	1496278499	646	HWFI Women Woman I'm getting good reviews and I	https://giphy.com/gifs/youtu-yys-yss-quentin-b61m3nQvYh1dQ0Gc
2018-02	1517452409	1155	MRW I get home and my insurance provider has sh	https://media2.giphy.com/media/3aPSd8b/giphy.gif
2017-11	1506099563	696	I live in a rather poor neighbourhood so I went all o	https://imgur.com/3aPSd8b
2018-02	1527853028	1080	I got my wings perfect the first try I'm wearing my	https://giphy.com/gifs/laishash-ash-score-won3c2U0D0XnO0b4b
2018-02	1517518188	588	MRW my cycle syncs up with the SUPER BLUE BLOOM	https://media2.giphy.com/media/3aPSd8b/giphy.gif
2018-01	1514817036	759	MRW I bring out my suitcase to pack for an upcoming	https://media2.giphy.com/media/3aPSd8b/giphy.gif
2017-10	1506879988	541	When I get home after a long day and my boyfriend	https://i.redd.it/3aPSd8b.gif
2017-10	1506995257	2574	Trolls, this one may be a keeper	https://i.redd.it/3aPSd8b.gif
2018-04	1527855030	1080	ONE DIO IT MY gf proposed and I couldn't be happie	https://i.redd.it/3aPSd8b.gif
2018-06	1527796707	1238	My boyfriend proposed last night VIA A DND ONE SH	https://media2.giphy.com/media/3aPSd8b/giphy.gif
2018-04	1527784640	552	How I feel	https://i.redd.it/3aPSd8b.gif
2018-04	152776682	759	MRW my usually myopic dad sincerely complains	https://media1.tenor.com/images/44632e9325281a142f72e1cd333430/tenor.gif?itemid=5290414
2018-08	1531312475	912	My boyfriend officially changed his last name to his	https://giphy.com/gifs/appluse-wmfElyhvt5c
2017-12	1513232005	982	MRW I've husband asks me what I want for dinner	https://imgur.com/3aPSd8b
2018-06	1528050968	487	HWFI as a demitexual woman with low libido, one of	https://imgur.com/3aPSd8b
2018-02	151499108	606	Trolls, I have been underemployed and broke since I g	https://imgur.com/3aPSd8b
2018-05	1525232332	1393	MRW my superintendent sends out a message sayin	https://imgur.com/3aPSd8b
2018-03	153164017	564	raging about unsolicited dick pics: a poem	https://i.redd.it/3aPSd8b.gif
2017-11	1506067548	4469	Ches things are written by a man	https://imgur.com/3aPSd8b
2018-05	1525164787	444	Truth	https://i.redd.it/3aPSd8b.gif
2017-12	1512227318	5449	THIS	https://imgur.com/3aPSd8b
2017-09	1496233238	655	yooco	https://imgur.com/3aPSd8b
2017-12	1512196195	1240	It's really not that hard	https://i.redd.it/3aPSd8b.gif
2018-04	1525293506	2865	MRW I see a video of a police officer ramming his c	https://giphy.com/gif/new-girl-3aPSd8b/Py8tG61c
2018-08	1531266509	1171	I never realized how true this is until I read the quote	https://i.redd.it/3aPSd8b.gif
2018-02	151706432	1048	MRW Anytime I See Men on Reddit Kink Selfies	https://i.redd.it/3aPSd8b.gif
2018-02	1517524409	925	MR weedsomond on these high school girls gushin	https://giphy.com/gifs/thead-city-comelet-central-ilane-glaser-Vu6tV4VWvDmW_source=media-link&imgur_medium=landing&imgur_campaign=Media%20Link&imgur_term=https://giphy.com/gifs/broad-city-comelet-central-ilane-glaser-Vu6tV4VWvDmW
2018-02	151746691	2732	MRW my 6yo mom asks all of her Facebook friends	https://media2.giphy.com/media/3aPSd8b/giphy.gif
2018-04	152739461	1068	"You should smile more"	https://i.redd.it/3aPSd8b.gif
2017-12	15121516	1010	MRW I read that I have a pit a pile dead and it likely	https://2.bp.blogspot.com/-aF82502530QvUcYp7Vn/AAIAAAAAAaAw/MBFy6cAtBw/1600/Nathan-Fillmore-reaction.gif
2018-06	1500906703	1203	MRW I'm reaching Fudi! How real and real that Dat	https://media2.tenor.com/images/f9e3a3f3692751704d3b47595920/tenor.gif
2018-05	1525279273	1797	MRW I hear Trump's doctor say he felt "raped" beca	https://imgur.com/3aPSd8b
2017-12	1512321782	515	Reading T_D console each other after their breaku	https://imgur.com/3aPSd8b
2017-12	1512342839	2965	TFW you report someone for denying/ mocking rap	https://i.redd.it/3aPSd8b.gif
2018-08	1531267313	713	HWFI I see a commercial featuring a female comfort	https://media2.giphy.com/media/3aPSd8b/giphy.gif
2017-08	1496356336	5888	Michelle Wolfe drops a flasso off truth bomb	https://i.redd.it/3aPSd8b.gif

Appendix 3 - TrollY dataset in Excel format

Date	data/created	data/score	data/title	data/url
2017 09	1504295527	1936	X-post from TrollX because it needs to be here	https://i.imgur.com/XtgNShW.jpg
2018 02	1519698158	1411	HOW DO I ADULT?!?! Further explanation of question in c	https://imgur.com/gNB0rTt
2018 01	1516051243	601	How fragile you gotta be to make a 46-Minute cut of 'The I	https://www.pedestrian.tv/entertainment/last-jedi-mra-fan-edit-women/
2018 01	1516899359	650	MRW I read articles about the new "Tool" album that's sup	https://media0.giphy.com/media/EouEz15bBR8uk/giphy.gif
2018 07	1532084473	1027	You ever manage to ruin your own goddamn day by startin	https://i.redd.it/hlqjzv743b11.jpg
2018 06	1527895689	657	New North Korean super weapon can destroy US in secon	https://i.redd.it/o4mliugt4h111.jpg
2018 07	1531846260	1212	MRW I realise life's good enough that I'll never be on Quee	https://giant.gfycat.com/HeavyColorfulHalicore.webm
2018 07	1530564220	683	MRW I enter a bar and my ex is there too (x-post r/reaction	https://v.redd.it/8e8gprtejl711
2017 10	1507726899	942	When you and your friends can't decide what to do on Hal	https://i.redd.it/e94utivm87rz.gif
2018 07	1531593800	1428	MRW after 1 day, the profile I made for my bearded dragon	https://i.redd.it/r75r5ti0ly911.gif
2017 10	1507192796	3003	Bojack getting way too real	https://imgur.com/as09LaC
2018 07	1530990735	1780	Horny boi	https://i.redd.it/yttthrvyrk811.jpg
2018 07	1531063704	786	When ur mom gets McDonald's on a weekday	https://i.redd.it/u75y4yaysq811.jpg
2018 07	1530515939	1002	After a long day of beating your meat...	https://i.redd.it/fecrwix5kh711.jpg
2018 03	1521441766	1909	On the topic of sideboob	https://i.imgur.com/OKpWpTm.jpg
2017 12	1513118491	676	When the stream knocks a small piece of debris off the ins	https://i.imgur.com/inTFNpo.jpg
2018 03	1521233605	657	MRW I sneeze while taking a piss.	https://i.redd.it/e7fi5q4zu6m01.gif
2017 11	1511288685	1177	MRW there's a queue for the bathroom after a glorious shi	https://media.giphy.com/media/QXf9L4qA5Hol/giphy.gif
2018 03	1520948647	889	They hate my lord and savior because he was right	https://i.redd.it/mik89r0pbl01.jpg
2018 02	1518603036	3939	"Listen. Honey. It's fine, I got this."	https://i.redd.it/ts0fzsiwk5g01.jpg
2018 08	1533318005	1890	Couldn't have said it better	https://i.redd.it/imye3a950xd11.jpg
2018 05	1526626168	876	When I send her a meme sexual enough to test the waters	https://i.gifer.com/7DVE.gif
2018 03	1520087038	1022	mrw she says the superlike was accidental	https://i.imgur.com/migF05y.jpg
2018 05	1525473988	1753	When u ignore someone to get their attention & they	https://i.redd.it/r94eacxu3xv01.jpg
2018 08	1534087608	518	When you're shooting for a girl waaaaaaaay out of your le	https://i.redd.it/3cu57llkkof11.jpg
2018 08	1533357512	1063	tickle me	https://i.redd.it/1leeueei90e11.png
2017 09	1506451891	818	MRW I weigh the pros and cons of replying to a relative's p	https://imgur.com/xxQeTad
2017 11	1510456665	716	MRW I fart in the aisle and someone walks right into it.	https://i.imgur.com/rWvR17r.gif
2018 08	1533993982	1659	Bit too real?	http://imgur.com/D9Y3jiT
2018 05	1525712391	626	How it feels every time I endeavor to lose weight, ask a girl	https://i.imgur.com/UhlmU9i.gifv
2018 05	1525401276	572	MRW someone asks me what my long term goals are:	https://gfycat.com/gifs/detail/OddElaborateBetafish
2017 09	1505657983	1000	MRW a customer accidentally calls me "ma'am" instead of	http://i.imgur.com/uTQyGA9.gif
2018 02	1517537178	1256	Without a doubt I did	https://i.redd.it/z9nz166fbdn01.jpg
2017 11	1510658985	5862	Dressing how you like.	https://i.imgur.com/v9lZL7L.jpg
2018 04	1524931186	659	I feel like this belongs here.	https://i.redd.it/08qr81qbn01.jpg
2018 03	1521048156	659	I don't have a witty title I just want to share this gif becaus	https://i.redd.it/82epuf67zpl01.gif
2018 04	1524460769	888	MRW I have to get up in seven hours but I can't get to bed	https://i.imgur.com/7lUlf.gif
2018 01	1515354701	1057	We've all been there. (Bathroom humor)	https://i.imgur.com/Hq8CJsI.jpg
2018 04	1524875885	2739	Reddit in a nutshell	https://i.redd.it/8vg6ak65pju01.jpg
2017 11	1511247071	555	MFW I'm mad because I'm not losing weight, I know what	https://i.imgur.com/qtvW3mm.gif
2018 05	1525279217	1626	MRW when my greencard gets renewed in this political cli	https://i.imgur.com/yp781el.jpg
2017 11	1509819348	898	My Firewall whenever I click those dodgy porn links	https://i.redd.it/88o831z0vzv.jpg
2017 11	1511385940	5854	I giggled pretty hard at this	https://i.redd.it/iztb7pk3tk6z.jpg
2018 01	1514949227	1462	Accurate image of how my girlfriend sees me now that it's	https://imgur.com/a/hlFZg
2018 04	1523905968	822	Me messaging girls on okcupid	https://i.imgur.com/GuRy8u5.gifv
2018 05	1526598943	921	Fellas, I think she's a keeper	https://imgur.com/rM9W48W
2017 11	1510339568	954	Relationship goals	https://imgur.com/gallery/nsQqH
2018 03	1520106666	1454	And also I'm purple	http://imgur.com/8EOsfvQ
2018 01	1516638965	1419	When I attempt to initiate morning sex.	https://v.redd.it/r5oxvvnocnb01
2018 08	1533505105	1362		https://i.redd.it/glud4nqhgc11.jpg
2017 12	1513952583	853	Finishing at the same time as your partner...	http://i.imgur.com/OU0iWU9.jpg
2018 03	1521525823	3140	Me on my week off work	https://gfycat.com/MadPersonalDugong
2017 09	1505034472	943	MRW I broke the dry spell I'd been going through since 20:	https://i.redd.it/70km9kxdu0lz.gif
2017 09	1505307331	1145	panties = soaked	https://i.imgur.com/fviud0V.png
2017 09	1506317792	989	Source of my skills	https://i.redd.it/f9bcl76varnz.jpg
2017 11	1509525900	969	MRW I had my first wet dream in years.	https://media.giphy.com/media/q7HHISR2W3v8c/giphy.gif
2018 04	1524253003	2294	For my brothers that need this right now	https://imgur.com/JHc2wFn
2018 08	1534173323	1391	Always me always me..	https://i.redd.it/smimm22gnvf11.jpg
2017 09	1506606427	636	MRW I won't see my therapist for 7 weeks because of a mi	https://media.giphy.com/media/l4FGonHrc1YpKi8G4/giphy.gif
2018 05	1526208354	1162	Messing with thirsty omegle people is the BEST	https://i.redd.it/amhzpl7irix01.jpg
2017 09	1505796364	683	HIFW as a fat guy going hard on the elliptical.	https://imgur.com/f3cO8q0
2018 05	1525363866	934	MRW I they offer the position to another candidate in yet	https://i.redd.it/2a2lmo5e0ov01.gif
2017 12	1513276779	703	AKA: Why my project results get delayed	https://i.redd.it/md9wm767nx301.png
2017 12	1512684230	1508	Applying for new jobs	https://imgur.com/Va1oB5L
2017 11	1510072595	1468	MRW inputting my work experience and then attaching my	https://media.giphy.com/media/z1GQ9t8FxpigG/giphy.gif
2018 04	1524619436	1161	TrollY bro caught in the wild in /r/murderedbywords	https://i.redd.it/26zw8sa4yrt01.jpg
2018 05	1525836997	634	I like how the guys in this beer ad help their buddy without	https://www.reddit.com/r/MensLib/comments/8hxl4l/nz_beer_ad_showcases_positive_masculinity/
2018 03	1520699226	3456	Your Most Powerful Allies	https://i.redd.it/it3ij9f0qyk01.jpg
2018 03	1521036786	531	I thought they were pulling some weird scam when they ca	https://imgur.com/JA7uEQb
2017 09	1506392295	864	Proposed in Paris last week! I love this girl so much!	https://imgur.com/6ihE9Yb
2018 04	1522851680	3331	I'm getting married today! My wife-to-be made this for the	https://i.imgur.com/rUV1pQv.jpg
2018 04	1523151048	507	I realized recently that in relationships I was a lot like Mr. P	https://i.redd.it/c03kszuik9ex.png
2017 09	1505244765	1064	MFW after 10 years of being miserable I finally allowed my	https://media.giphy.com/media/j39AztvJqE7e/giphy.gif
2018 06	1528738620	619	Pls pray 4 me	https://i.redd.it/hskidw6are311.jpg
2018 08	1533660469	856	MRW A Tinder Match Initiates Conversation and Six Hours	http://p.fod4.com/p/media/5c597eb60b/1qPm2oJFSuWOI4rtFx06_Confused%20Ice%20Cube.gif
2017 12	1512407411	773	HIFW I make an account on OkCupid, there is exactly one (https://i.imgur.com/Ftng6wW.gif
2017 10	1507557565	938	MRW things have been going pretty well with the girl I'm c	http://www.reactiongifs.com/r/wtfih.gif
2017 12	1512873612	551	HIF when my first date in 6 years goes awfully and I realize	http://37.media.tumblr.com/e74565ac4cb12082d11775ea79e02b82/tumblr_n47poePugM1rlb6iho1_400.gif
2017 11	1510150616	779	MFW I thought I was talking to someone pleasant online, I	https://i.imgur.com/AY13cHW.gif
2017 11	1510939329	950	HIFW I'm in university beating my crippling shyness and so	https://i.imgur.com/SICsk2m.gif
2017 12	1513522006	4437	I told my friend I wasn't even all that drunk last night and s	https://i.imgur.com/1VoFDiq.gif
2018 08	1534062487	1243	I was supposed to go sell all my old stuff at an outdoor flea	https://i.imgur.com/kRWoCKN.gif
2017 10	1507638720	1218	When your baked as fuck and all you want is to suck a dick	https://68.media.tumblr.com/c92ca04c01fbc935902142111d7ef3/tumblr_opwi3pxdoy1r21lfo1_400.gif
2018 04	1522618521	505	Cut my toxic brother out of my life. (SIC)	https://imgur.com/nl2QDBf

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2018 08	1534139858	830	TFW people on the internet keep making "your mom" joke	https://i.imgur.com/Y12no2m.gif
2018 01	1516459065	1169	MRW I've felt depressed having moved away from my home	https://i.redd.it/pmity9iurivz.png
2017 09	1506167097	599	Sharing a bed with a new friend after a party, discovering t	https://i.imgur.com/ENHCzdY.gif
2018 03	1520205455	520	HIFW I broke my dry spell and almost forgot how much I lo	https://imgur.com/Ztcq7hr
2018 03	1521094464	581	When I'm doing good and suddenly I'm about to break dow	https://i.imgur.com/8fXlMob.gif
2017 09	1506350151	797	Being the passive person I am, I got the worst haircut of m	https://i.redd.it/kdy1e3hvi1oz.jpg
2018 03	1521321384	934	In honor of our best bro's, sisters, that love us uncondition	https://imgur.com/MBCzeCs
2018 04	1523296534	1874	MRW I'm a brown guy renewing my green card in the US i	https://i.imgur.com/4DbpeXq.gif
2018 02	1518549798	898	MFW it's almost Valentine's and I'm, as always, single; but	https://gfycat.com/ValidMellowGrouper
2018 06	1528907010	1385	MRW my date asks me to dance and have no idea what I'm	https://i.imgur.com/mmBZSdP.gif
2018 06	1528028401	1549	I started talking to someone really nice on Tinder and we a	https://i.imgur.com/v9HNsCO.gif
2017 12	1513207146	601	My SO's godmother just offered her engagement ring to m	https://imgur.com/lXEpe7a
2018 02	1518263676	1001	MRW the guy, whom I experimented with in H.S, walks into	https://media1.giphy.com/media/26DMZsbYcMX6lymoE/giphy.gif
2018 05	1525644612	820	Ok trolls, LASIK is happening in 6 hours. Send me your thou	https://gfycat.com/gifs/detail/HappyOldChinchilla
2018 06	1529247949	3299	I mean... okay, yeah	http://imgur.com/eLDqgdj
2017 10	1507305528	847	During a motivational talk about not lying to yourself abou	https://i.imgur.com/U93F2oF.png
2017 10	1508936661	847	Forgot to bring a change of boxers when I went for my run	https://i.redd.it/1keoxcqf5ztz.gif
2018 03	1520503883	824	Browsing r/TrollYChromosome as a trans man	https://i.redd.it/2ytjcx6lik01.jpg
2017 09	1504783012	1289	Interview at 11am today for Service Manager position at th	https://imgur.com/dwJA9x1
2018 06	1528392529	1199	MFW I'm Dling my first gig to probably an empty danceflo	https://media0.giphy.com/media/3ohhwF34cGDoFFhRfy/giphy.gif
2018 03	1521194630	898	When you notice how badly the bald spot at the crown of	https://i.redd.it/6kuktht1n3m01.gif
2018 06	1529162104	871	MRW delving into another reddit thread about a celebrity	https://i.imgur.com/770L570.png
2018 08	1534329769	613	MRW Windows doesn't let me just shut down my laptop I	https://i.redd.it/12y6ai3nk8g11.jpg
2017 10	1508169307	1098	When I get her number and after two days of texting she n	https://i.imgur.com/MgU9y0j.png
2018 01	1517061367	1827	Broke up with a girl and got out of a toxic relationship. Bee	http://imgur.com/uMqJEXE
2018 05	1525683109	622	MRW I open myself up again and go on a date only to have	https://i.redd.it/zstbx7wmfxs01.gif
2018 02	1518860983	656	I went out yesterday thinking I had a date. Turned out the	https://i.imgur.com/UVDMLUg.gif
2018 03	1520235110	895	MRW I set up a meeting with someone for casual sex for th	https://i.redd.it/qevfvg6hcw01.png
2018 08	1533593366	563	MRW I get an email from my guidance counselor telling me	https://media.giphy.com/media/EmB4QtACPvBpS/giphy.gif
2018 06	1528718261	1161	Started watching the office. I don't get apparently the best	http://imgur.com/Kl3uwnh
2018 07	1531746246	764	Procrastinating going to go visit family. I'd rather do litera	https://i.imgur.com/3fB5qgE.gif
2018 07	1532025668	808	Visiting home, promised to watch the house tomorrow sin	https://i.redd.it/a5vljx4d9ya11.jpg
2018 06	1529072603	906	I have never read anything more true	https://i.redd.it/l78b4uitl5411.jpg
2017 12	1514169981	627	MRW My family members start telling my ten year old sist	https://media.giphy.com/media/unFlKoAV3TlXe/giphy.gif
2017 12	1513880282	693	MRW I'm just realizing/acknowledging how much my pare	https://i.redd.it/b5ld29csb501.gif
2017 11	1509719662	1403	MRW I haven't slept, I've had an awful, exhausting day, I'm	https://i.imgur.com/7Nq9LCj.gif
2017 11	1510879396	1036	MRW Work's been kicking my ass and I just got broken up	https://i.imgur.com/DpWIHF7.jpg
2018 02	1519525111	502	MRW my "friends" bail on me again	https://imgur.com/Y5XFUm6
2018 07	1530469225	1337	MRW My Friend Dies at 21 Years Old	https://i.imgur.com/mNt9fWK.jpg
2018 05	1525878066	1026	I got rejected for an internal promotion, the D&B&D gam	https://media1.tenor.com/images/9a42844b8e331a0a751f5dddb4663ee6/tenor.gif?itemid=5529787
2018 01	1517175126	674	MFW the first fart of the morning after a night of drinking	https://i.imgur.com/ka5PqiM.jpg
2018 07	1530595249	588	MFW I'm cold to the bone despite of being wrapped in a b	https://i.imgur.com/bna7c56.gif
2018 07	1531085557	785	You ever sit naked in your kitchen at 1 am eating and rip o	https://i.imgur.com/p6Dai7L.gif
2018 07	1530799720	1295	guys does it count as self-care to just sit there wrapped in	https://i.imgur.com/yR2myCf.gif
2017 10	1508514426	734	MRW I shave my beard as part of my Halloween costume	https://m.imgur.com/r/highqualitygifs/1SdePSU
2018 06	1528829599	865	MFW Several work friends have found me on FB and now s	https://media.giphy.com/media/D203k3PqxQfDyo/giphy.gif
2018 07	1531143857	1075	Things that I am doing instead of doing my laundry: Readin	https://i.imgur.com/CEHDEJ9.gif
2017 10	1508873996	744	In the last two years I've lost 5 jobs, my gf broke up with m	https://i.imgur.com/W5mpayC.gifv
2018 06	1528302648	1012	Thought I had something actually nice going on for once. T	https://i.imgur.com/b7BN2yX.gif
2018 02	1519394339	940	Had a shit week, already feeling like shit, about to go visit	https://i.imgur.com/oveu8HB.gif
2018 06	1529200252	863	MRW I'm unemployed, lost, depressed and the last words	https://i.imgur.com/b6P2cQL.gif
2018 07	1531407776	1498	MFW I lost 30 pounds in the past two months in a healthy	https://media.giphy.com/media/hixXA9PL0ocxO/giphy.gif
2018 08	1533159133	960	MRW people tell me I'm the one who ruin my roommate's	https://i.imgur.com/rFAMdhy.jpg
2017 10	1507816313	1379	There's been nazi stickers showing up on everything aroun	https://i.imgur.com/wPfV5k1.gif
2018 05	1525790017	1062	I haven't been on reddit in basically a month. MRW I see th	https://media.giphy.com/media/iAYupOdWXQy5a4nVGk/giphy.gif
2017 10	1508782897	1026	MRW My girlfriend is processing my "sexuality" because I s	https://imgur.com/XhmHEB4
2018 06	1528215132	1560	Seriously it's like 90% of the pool	https://i.imgur.com/8ReMI2H.jpg
2018 06	1529087479	629	MRW when someone swipes right on Tinder just to ask if i	https://i.redd.it/7eigrll286411.gif
2017 10	1508846930	729	MRW My girlfriend of 8 years cheats on me, dumps me, an	http://gph.is/1cJCjMs
2018 06	1529025788	2371	Having ZERO idea of how flirting works.	https://i.redd.it/2ygtf7r5h2411.jpg
2018 06	1528157188	845	Just told my crush that I was on the toilet. Wtf is wrong wi	https://i.redd.it/4rqw390eq2211.jpg
2018 01	1515170272	2463	Got dumped on the second, a friend offered to take me ou	http://data.whicdn.com/images/33972556/160cd90705e37f10ddcd406bface4fc2_large.jpg
2017 12	1512124631	1664	MRW My facebook feed is flooded with pictures from the v	https://i.imgur.com/Q1qBLDl.gifv
2017 12	1514047683	3141	Came home from work this morning and the gf moved eve	https://i.imgur.com/7N8lyQe.gif
2018 06	1528210885	665	Actual footage of me forgetting part of my crush's contact	https://media.giphy.com/media/l0MYEzKOB8xCYM7O8/200w.gif
2018 05	1526163207	651	Today would have been my 4 year anniversary of being ma	https://imgur.com/l9UK3b6
2017 10	1507890547	513	HIFW I finally have feelings for a girl again after my ex fianc	https://giphy.com/gifs/thedailyshow-3o7bu7FFkhhmmCqmJnG
2017 12	1512164855	684	My girlfriend broke up with me, and we still live together	https://i.imgur.com/6LwTKpD.jpg
2018 08	1533487233	652	Just found out that my gf cheated on me. Found the messa	https://i.imgur.com/BiyNUi9.gif
2017 10	1507486589	1017	MRW My SO is complaining about ovulation pain, we've be	https://i.redd.it/empnjw6vynqz.jpg
2018 04	1523413403	631	When everyone else in your group project literally doesn't	https://i.redd.it/hnylqa2kw6r01.jpg
2018 02	1517621119	1219	MFW I shave with a non-electric razor for the first time in t	https://i.redd.it/kq4xi785hwd01.jpg
2017 11	1510254470	1010	M(internal)FW I suddenly hear an older man I've deeply re	https://i.imgur.com/KDN0kNo.gif
2018 01	1515441443	5683	My "Dry January" so far	https://gfycat.com/RemarkableThatEwe
2018 01	1515815033	1187	To the drivers with their high beams on, constantly blinding	https://i.imgur.com/y8Fa8jB.gif
2018 08	1533564384	1261	Actual photo of me talking to my therapist. (2018, Colorize	https://imgur.com/70XZROK.jpg
2018 07	1531278875	1188	Been getting out of work 2-3 hours late over the last few w	https://i.imgur.com/vif0lAD.gif?1
2018 05	1525984765	2317	When you've done nothing but send out resumes for almo	https://i.redd.it/il6vg5jina3x01.jpg
2018 05	1526408448	1084	MRW I finally get an interview for my dream job and it goe	https://media.giphy.com/media/3o752798qdkAfttiW4/giphy.gif
2018 05	1526566174	1919	When you thought you might have your choice between th	https://i.redd.it/2gwrrz8bbfy01.gif
2018 05	1526717428	699	Getting thrown out of nursing school because apparently I'	https://i.imgur.com/65Kudmm.gif
2017 09	1506006973	1140	HIFW I don't get the shitty job I interviewed for almost tw	https://media.giphy.com/media/tFMDtM35rm4V2/giphy.gif
2018 04	1523741383	1142	MFW I get fired out of the blue yesterday and have to get	https://media2.giphy.com/media/9wv8qlAq9njgY/giphy.gif
2018 06	1527953866	955	Update from the introvert who went to the festival - It was	https://thumbs.gfycat.com/SomeCarefulAtlanticblackgoby-size_restricted.gif
2017 11	1509630496	1796	MRW when I haven't had the best year, but my 5 y/o niece	https://quarterlifewritings.files.wordpress.com/2015/08/unnamed.gif

Appendix 3 - TrollY dataset in Excel format

2018 04	1523565038	1087	SHE SAID YES TO A DATE TROLLS! I was awkward and she said I was a troll	https://i.imgur.com/ymXiPyv.gif
2017 09	1506219668	751	The girl I've been seeing thought she had upset me and I told her I was a troll	https://media.giphy.com/media/3oEhmDMA4r9GxhwEqA/giphy.gif
2017 10	1507143129	756	MRW one of the most talented musicians I know matches my troll persona	http://i0.kym-cdn.com/photos/images/newsfeed/000/984/868/0f6.gif
2017 11	1509988167	635	This year I actually managed to make my family christmas	https://i.imgur.com/r1grE8d.gif
2018 04	1523644365	1514	MRW my 9 year old son uses his first meme	https://i.imgur.com/iV4aGol.gif
2018 03	1520348564	976	When my roommate finds out that I'm out of trees, so he goes to the store	https://i.imgur.com/ndTxmLM.gifv
2018 05	1525728742	709	Hello Trolls who wished me luck on my Lasik Journey. I am now 20/20	https://i.redd.it/zx41r32d5iw01.jpg
2018 04	1524693038	913	I've had glasses since I was 7. In 12 freaking days I'll be seeing without them	https://giphy.com/gifs/detail/TallAdolescentEyelashpitviper
2018 07	1531334071	1592	A guy in my DnD group kept making boring racist edgelord jokes	https://i.imgur.com/zTejNIX.gif
2018 08	1533415695	955	I'm hate-watching a bad movie because I was bored and kept thinking of trolls	https://i.imgur.com/F17gFEK.gif
2018 04	1524070312	606	Finally got a new job!!!	https://i.redd.it/t4jenzc06ps01.jpg
2017 10	1508682826	1055	TFW You're walkin and a girl yells that you're hot as she drives by	https://giphy.com/gifs/spongebob-RysQ14nzFdD3y
2017 12	1513918108	673	My wife drags me to court for something I'm not denying her	https://i.imgur.com/4GpHdT.jpg
2018 01	1514866835	1919	MRW my new gf asks me when I'd like us to go get tested for STDs	https://media3.giphy.com/media/3o7WTxQ7RfErPLfOqk/giphy.gif
2018 01	1516794913	973	MRW when my troll-in-training gets to my place from her room	https://i.imgur.com/T9cAiy1.gif
2018 02	1517773165	760	MRW my long distance girlfriend gets naked on FaceTime	https://i.imgur.com/hfifQI8
2017 12	1512486021	1481	Hifw for the first time in my life, a partner puts as much kindness as I put	http://24.media.tumblr.com/tumblr_mc0m8p70I51qdyvo1o1_500.gif
2018 07	1532165883	1089	MRW I wasn't as horny around my wife anymore but we started having sex	https://i.redd.it/fdxqvviaw9b11.jpg
2017 10	1507412559	590	I bought lingerie for my girlfriend for the first time today. I'm a troll	https://i.imgur.com/yQZBgfR
2017 09	1505611722	1352	We got our photos back from our wedding. People scoff at our wedding photos	https://i.redd.it/5nv5t53ticmz.jpg
2017 10	1508343803	2759	MRW my wife calls me to tell me SHE GOT THE FUCKING JACKPOT	https://i.redd.it/rj3fnvny6msz.jpg
2018 02	1518102657	508	MRW when girlfriend is going away for a long weekend and I'm left alone	https://i.imgur.com/G6GhuXb.mp4
2017 09	1505589465	708	She's coming over tonight! My first real relationship since I was 18	https://i.imgur.com/yuN4Mtp.gif
2018 03	1521133445	1124	MRW I'm having a shit day but my new lady friend cheers me up	https://i.imgur.com/lDyx7qo.gif
2018 06	1528973196	1074	I had an ex that was pretty emotionally abusive to me. This is how I feel	http://i.imgur.com/ZDAmFU3.gifv
2018 08	1534358251	2621	I was smoke free for a year and 4 months and bought a pack of cigarettes	https://giphy.com/distantpossibleelk
2018 01	1515597361	813	MRW when I'm out eating at a restaurant but Get Jiggy With Me	https://i.imgur.com/0zliU2G.gif
2018 04	1523272846	525	MRW I just put in my two weeks for a new job doing the same as my old job	https://i.imgur.com/vtQoVKJ
2018 04	1522678406	687	Trolls! I finally accepted a job offer for a position that I've been applying for	https://media.giphy.com/media/nNxT5qXR02FOM/giphy.gif
2018 01	1517241787	845	MRW Telling people to ask for consent is considered a "conservative" view	https://media1.tenor.com/images/a9ec8aa4116064b54546caebf893983c/tenor.gif?itemid=4514220
2018 01	1515736184	895	MRW people in popular Reddit threads continuously fail to understand trolls	https://i.imgur.com/Phl0Zfh.gifv
2017 12	1513720749	507	MRW I read a really great parody of "conservative" first day of school	https://i.redd.it/l5dmso6y9y401.gif
2018 02	1517874295	762	MRW I live in Texas and I hear someone say "it's freezing outside"	https://media.tenor.com/images/5d4b8852069d4a0bb2e1d8f456bc053d/tenor.gif
2017 12	1512964243	1584	MRW when my former boss, who bullied and fired me, runs into me	https://i.redd.it/1yesffcnt7301.jpg
2018 02	1519440439	957	I'm tipsy and need to flatter- if you're reading this you're biased	https://i.imgur.com/NNzJ8G8.gif
2018 02	1517499353	1037	To all the guys that didn't have a mom tell them this growin up	https://imgflip.com/i/23rbj2
2017 09	1505167979	3399	A few days ago, u/CrankyCrow decided that the mental health of trolls	https://i.redd.it/zbq2rtwrx2lz.jpg
2017 11	1511090089	1266	Happy International Men's Day lads! Support your fellow trolls	https://i.redd.it/vfhc7ia3tyz.jpg

Appendix 4 - Dictionary for dataset TrollX and TrollY

The dictionary is valid for both TrollX and TrollY datasets, as they have the same column names.

Column name	Description
Date	The date the post/comment was created
Data/created_urc	The utc for when the post was created
Data/score	The total upvotes that the post has had at the moment when it was scraped - 20.12.2021. Only posts with over 500 upvotes have been scraped to ensure quality of post, and that sentiment is representative of the community.
Data/title	The text attached to the post
Data/url	The image attached to the post

Appendix 5 - Final project in html format

Preparing the data

Doing sentiment analysis with sentiment()

Visualizing the data

Comparison of sentiments

Individual boxplots visualizing sentiments

Individual plots showing the correlation between word count and sentiment

Boxplot comparing word count for TrollX and TrollY

Sentiment analysis and visualization with R

Anelia Aleksandrova Boyadzhieva

2022-12-28

Preparing the data

Installing libraries

```
#Loading Libraries  
library(tidyverse)
```

```
## Warning: pakke 'tidyverse' blev bygget under R version 4.2.2
```

```
## — Attaching packages ————— tidyverse 1.3.2 —  
## ✓ ggplot2 3.3.6      ✓ purrr  0.3.4  
## ✓ tibble  3.1.8      ✓ dplyr  1.0.9  
## ✓ tidyr   1.2.0      ✓ stringr 1.4.1  
## ✓ readr   2.1.2      ✓ forcats 0.5.2  
## — Conflicts ————— tidyverse_conflicts() —  
## ✗ dplyr::filter() masks stats::filter()  
## ✗ dplyr::lag()    masks stats::lag()
```

```
library(sentimentr)
```

```
## Warning: pakke 'sentimentr' blev bygget under R version 4.2.2
```

```
library(ggplot2)  
library(dplyr)
```

Loading data by using read.csv() and saving it in the variables redditY and redditX

```
redditY <- read.csv("TrollY_dataset.csv") #reading data for TrollY subreddit and assigning it to the redditY variable

redditX <- read.csv("TrollX_dataset.csv") #reading data for TrollX subreddit and assigning it to the redditX variable
```

Cleaning the data

```
#function for cleaning data -> renaming and removing columns
names <- function (x){
  x <- rename(x, post_score = data.score)
  x <- rename(x, date = Date)
  x <- rename(x, post = data.title)
  x <- x[, -5] #removing image url by column index
  x <- x[, -2] #removing utc by column index
}

#running the function on both datasets and saving into variables
redditXclean <- names(redditX)
redditYclean <- names(redditY)
```

Doing sentiment analysis with sentiment()

```
#using sentiment() method to do sentiment analysis on column 'data.title' from dataset 'redditY'
sentimentDataY <- sentiment(redditYclean$post) #assigning the new dataset to the variable 'sentimentDataY'
view(sentimentDataY) #viewing the data which is stored in the variable sentimentDataY
sentimentDataY <- na.omit(sentimentDataY)

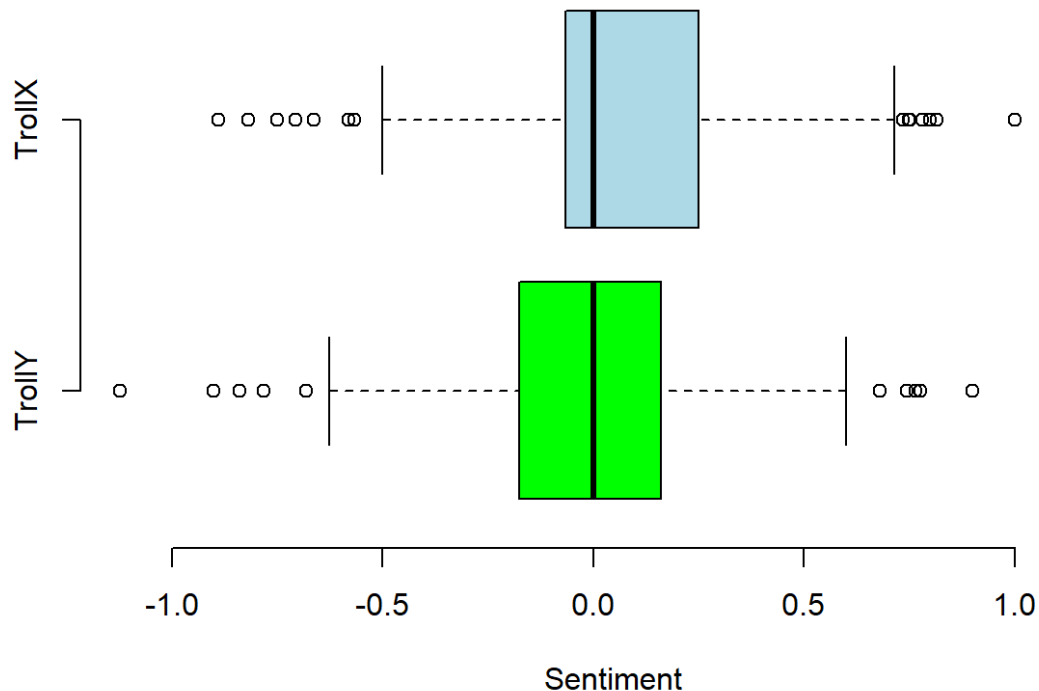
#using sentiment() method to do sentiment analysis on column 'data.title' from dataset 'redditX'
sentimentDataX <- sentiment(redditXclean$post) #assigning the new dataset to the variable 'sentimentDataX'
view(sentimentDataX)
sentimentDataX <- na.omit(sentimentDataX)
```

Visualizing the data

Comparison of sentiments

```
boxplot(sentimentDataY$sentiment, sentimentDataX$sentiment, #getting data from dataset
'sentimentDataY' and 'sentimentDataX' column 'sentiment'
  main = "Comparison of sentiments for subreddits TrollX and TrollY",
  xlab = "Sentiment",
  at = c(1,2), #positioning the two boxplots
  names = c("TrollY", "TrollX"), #naming the two boxplots
  col = c("green","lightblue"), #colour
  horizontal = TRUE, #positioning
  frame = F
)
```

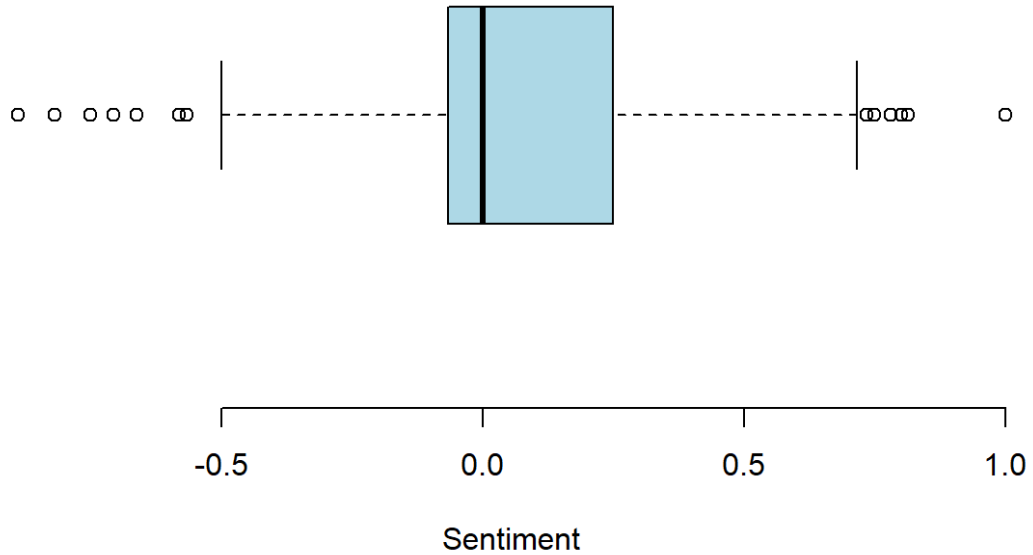
Comparison of sentiments for subreddits TrollX and TrollY



Individual boxplots visualizing sentiments

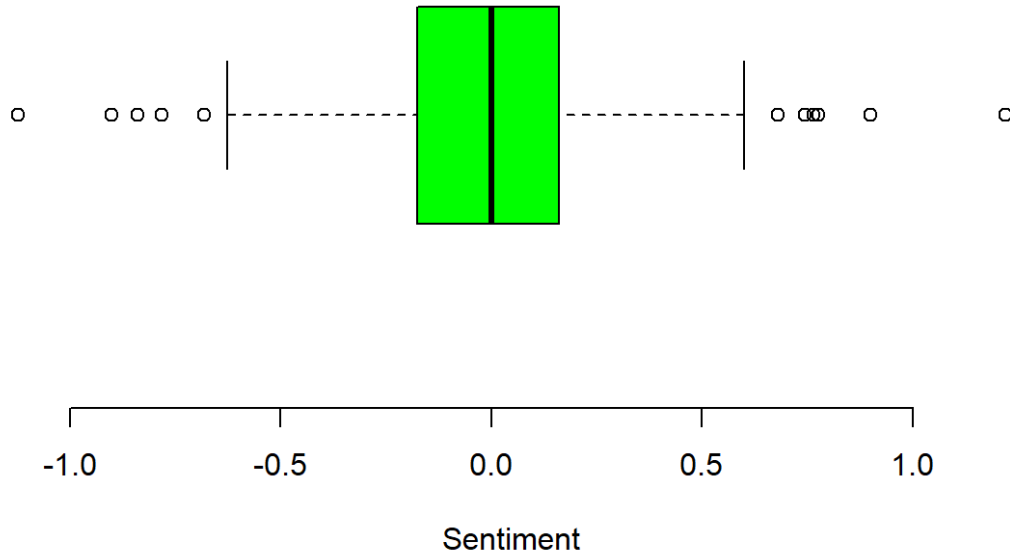
```
#Making a boxplot for TrollX
boxplot(sentimentDataX$sentiment, #getting data from dataset 'sentimentDataX' column 's
entiment'
  main = "Boxplot for sentiments in TrollX subreddit", #name/headline
  xlab = "Sentiment",
  col = "lightblue", #colour
  horizontal = TRUE, #positioning
  frame = F
)
```

Boxplot for sentiments in TrollX subreddit



```
#Making a boxplot for Trolly  
boxplot(sentimentDataY$sentiment, #getting data from dataset 'sentimentDataY' column 's  
entiment'  
        main = "Boxplot for sentiments in Trolly subreddit", #name/headline  
        xlab = "Sentiment",  
        col = "green", #colour  
        horizontal = TRUE, #positioning  
        frame = F  
    )
```

Boxplot for sentiments in TrollY subreddit



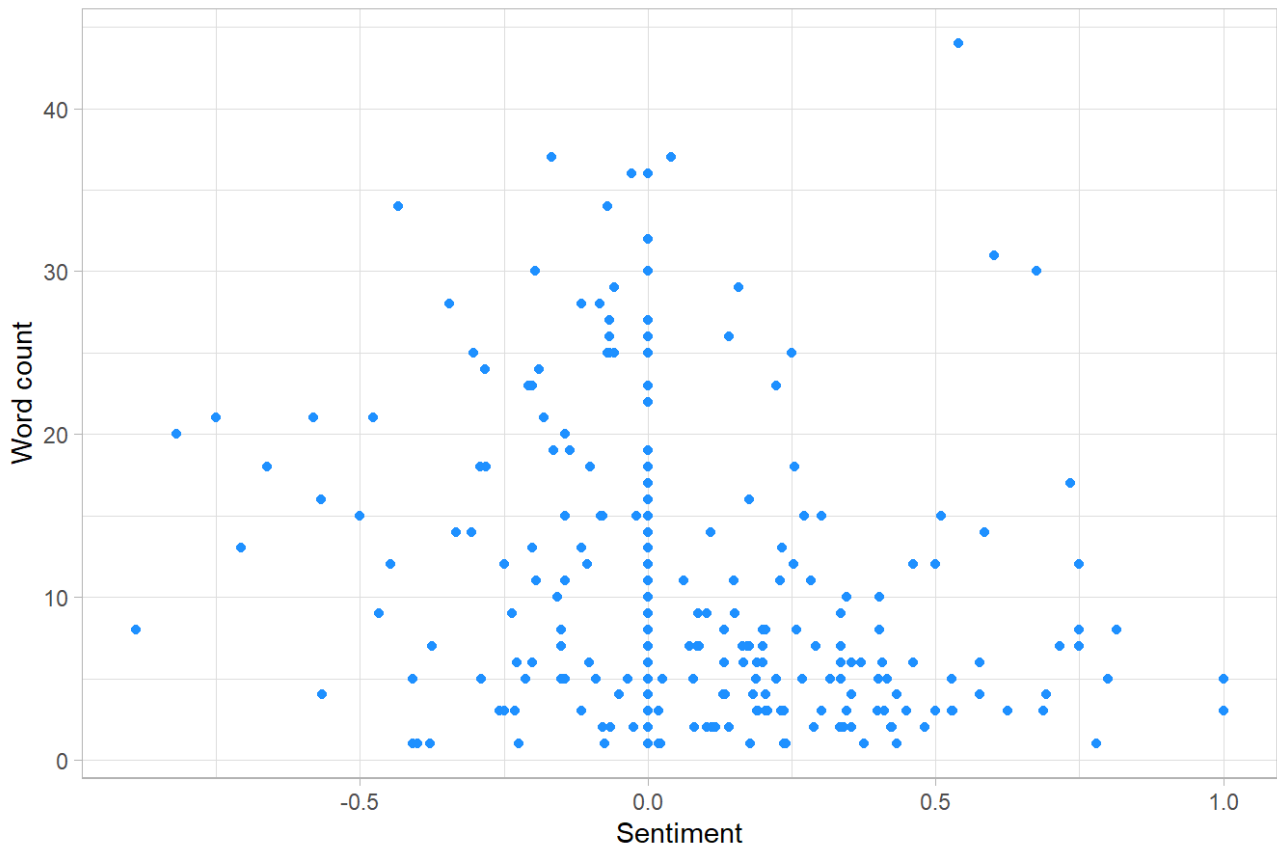
Individual plots showing the correlation between word count and sentiment

Here you can see two plots for the subreddits TrollX and TrollY. The sentiment on the X axis and word count on the Y axis.

```
#Making ggplot and customizing color, names and theme
wordCountSentimentX <- ggplot(data = sentimentDataX, mapping = aes(x = sort(sentimentDataX$sentiment, decreasing = TRUE), y = sentimentDataX$word_count)) +
  geom_point(color = "dodgerblue") +
  labs(x = "Sentiment", y = "Word count", title = "Connection between word count and sentiment in TrollX") +
  theme_light()

#Customizing title
wordCountSentimentX + theme(
  plot.title = element_text(color="black", size=18, face="bold")
)
```

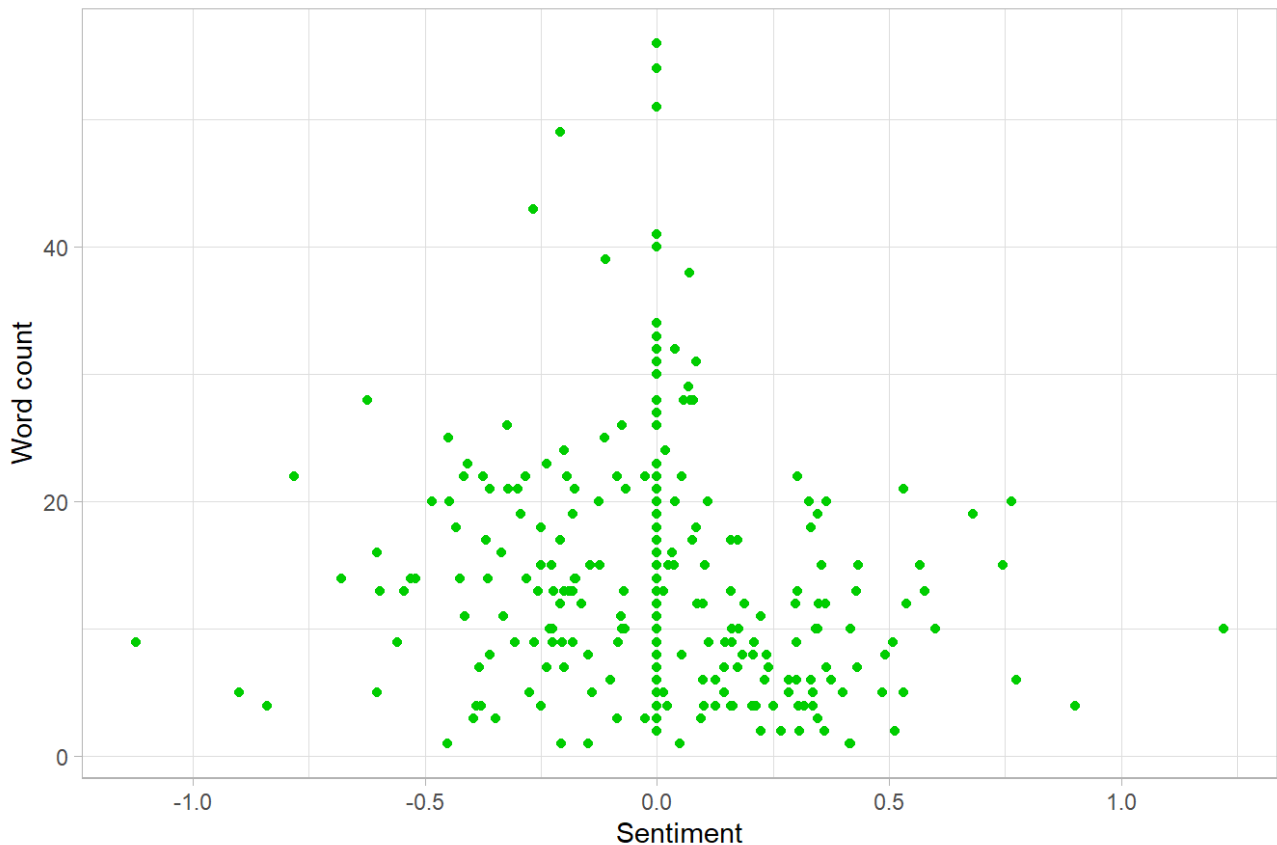
Connection between word count and sentiment in Troll



```
#Making ggplot and customizing color, names and theme
wordCountSentimentY <- ggplot(data = sentimentDataY, mapping = aes(x = sort(sentimentDataY$sentiment, decreasing = TRUE), y = sentimentDataY$word_count)) +
  geom_point(color = "green3") +
  labs(x= "Sentiment", y= "Word count", title = "Connection between word count and sentiment in TrollY") +
  theme_light()

#Customizing title
wordCountSentimentY + theme(
  plot.title = element_text(color="black", size=18, face="bold")
)
```


Connection between word count and sentiment in Troll



Boxplot comparing word count for TrollX and TrollY

There was a clear difference between the sentiment score and word count for the two subreddits. The following boxplot shows the word count for the subreddits, where it is evident that TrollX (blue) users use fewer words in their posts, whereas TrollY (green) users use less. This says something about how the users express themselves in the different subreddits.

```
boxplot(sentimentDataY$word_count, sentimentDataX$word_count, #getting data from datasets 'sentimentDataY' and 'sentimentDataX' column 'word_count'
        main = "Comparison of word count for subreddits TrollX and TrollY",
        xlab = "Word count",
        at = c(1,2), #positioning the two boxplots
        names = c("TrollY", "TrollX"), #naming the two boxplots
        col = c("green", "lightblue"),
        horizontal = TRUE,
        frame = F
    )
```

Comparison of word count for subreddits TrollX and TrollY

