

Lifetable

The lifetable was constructed using standard life table methodology. (Preston SH et al., 2001) Table 1 represents the lifetable with the time break of 100 days, the full table was in supplementary material. Based on the lifetable, the 50% survival time is between 315 to 320 days.

	tstart	tstop	nsubs	nlost	nrisk	nevent	surv	pdf	hazard	se.surv	se.pdf	se.hazard
0-100	0	100	228	1	227.5	31	1.00000000	0.0013626374	0.001462264	0.00000000	0.0002274521	0.0002619275
100-200	100	200	196	11	190.5	41	0.86373626	0.0018589599	0.002411765	0.02274521	0.0002618057	0.0003739058
200-300	200	300	144	23	132.5	29	0.67784027	0.0014835749	0.002457627	0.03130619	0.0002529426	0.0004529112
300-400	300	400	92	10	87.0	25	0.52948278	0.0015215022	0.003355705	0.03450887	0.0002753603	0.0006616266
400-500	400	500	57	4	55.0	12	0.37733255	0.0008232710	0.002448980	0.03556250	0.0002240054	0.0007016395
500-600	500	600	41	7	37.5	10	0.29500545	0.0007866812	0.003076923	0.03485126	0.0002324238	0.0009614247
600-700	600	700	24	0	24.0	8	0.21633733	0.0007211244	0.004000000	0.03327201	0.0002358714	0.0013856406
700-800	700	800	16	1	15.5	7	0.14422489	0.0006513382	0.005833333	0.03041977	0.0002282732	0.0021089284
800-900	800	900	8	3	6.5	2	0.07909107	0.0002433571	0.003636364	0.02471109	0.0001621152	0.0025284394
900-1000	900	1000	3	1	2.5	0	0.05475535	0.0000000000	0.000000000	0.02230861	NaN	NaN
1000-1100	1000	1100	2	2	1.0	0	0.05475535	0.0000000000	0.000000000	0.02230861	NaN	NaN
1100-1200	1100	1200	0	0	0.0	0	0.05475535	NaN	NaN	0.02230861	NaN	NaN
1200-Inf	1200	Inf	0	0	0.0	0	NaN	NA	NA	NaN	NA	NA

Table 1 Lifetable

Kaplan-Meier and Fleming-Harrington model

For nonparametric estimator, Kaplan-Meier(KM) model and Fleming-Harrington(FH) model were used to measure the fraction of subjects living for a certain amount of time after treatment with the stratify of sex.(Manish et al., 2010)

The Kaplan-Meier estimator

$$\hat{S}_K(t) = \begin{cases} 1 & \text{if } t < t_1 \\ \prod_{t_i \leq t} [1 - \frac{d_i}{n_i}] & \text{if } t \geq t_1 \end{cases}$$

note: $d_i = \#$ of failure at time t_i , $n_i = \#$ at risk at t_i^- , $c_i = \#$ censored during the interval $[t_i, t_{i+1}]$

The Fleming-Harrington estimator

$$\hat{S}_F(t) = \begin{cases} 1 & \text{if } t < t_1 \\ \prod_{t_i \leq t} \exp[-\frac{d_i}{n_i}] & \text{if } t \geq t_1 \end{cases}$$

Both the KM estimator and the FH estimator have P-values that are lower

than 0.05. We have 95% confidence that there are differences between the survival curves over the male and female. According to the following graph(Figure 1), male have a lesser chance of living through the 3 years than female. The KM and FH model have similar trend with no significant difference.

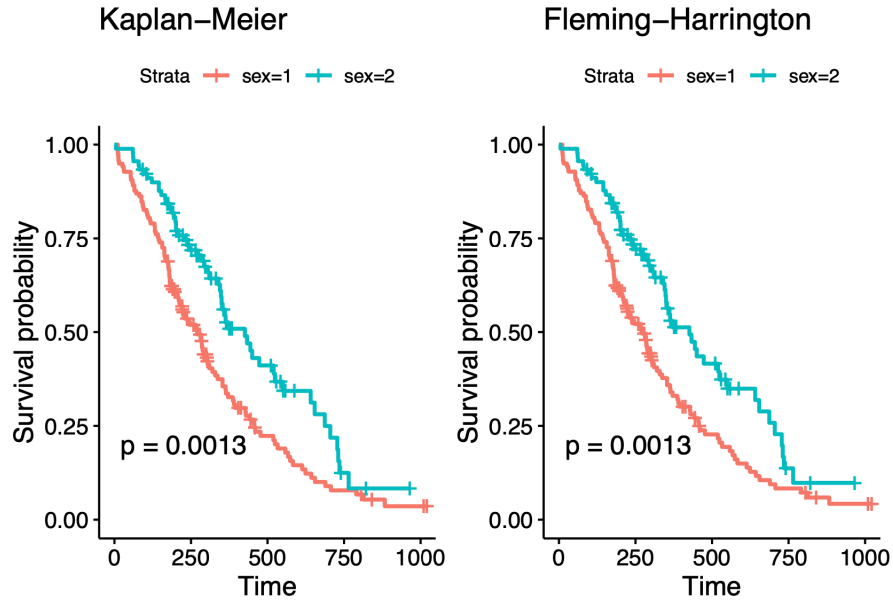


Figure 1: Kaplan-Meier model vs Fleming -Harrington model (sex=1(male), sex=2(female))

References

Preston SH, Heuveline P, Guillot M. Demography: measuring and modeling population processes. Blackwell Publishers, 2001.

Goel, M. K., Khanna, P., Kishore, J. (2010). Understanding survival analysis: Kaplan-Meier estimate. International journal of Ayurveda research, 1(4), 274.

Supplementary material

Table 1 Full lifetable

##	tstart	tstop	nsubs	nlost	nrisk	nevent	surv	pdf
## 0-5	0	5	228	0	228.0	0	1.00000000	0.0000000000
## 5-11	5	11	228	0	228.0	1	1.00000000	0.0007309942
## 11-12	11	12	227	0	227.0	3	0.99561404	0.0131578947
## 12-13	12	13	224	0	224.0	1	0.98245614	0.0043859649
## 13-15	13	15	223	0	223.0	2	0.97807018	0.0043859649
## 15-26	15	26	221	0	221.0	1	0.96929825	0.0003987241
## 26-30	26	30	220	0	220.0	1	0.96491228	0.0010964912
## 30-31	30	31	219	0	219.0	1	0.96052632	0.0043859649
## 31-53	31	53	218	0	218.0	1	0.95614035	0.0001993620
## 53-54	53	54	217	0	217.0	2	0.95175439	0.0087719298
## 54-59	54	59	215	0	215.0	1	0.94298246	0.0008771930
## 59-60	59	60	214	0	214.0	1	0.93859649	0.0043859649
## 60-61	60	61	213	0	213.0	2	0.93421053	0.0087719298
## 61-62	61	62	211	0	211.0	1	0.92543860	0.0043859649
## 62-65	62	65	210	0	210.0	1	0.92105263	0.0014619883
## 65-71	65	71	209	0	209.0	2	0.91666667	0.0014619883
## 71-79	71	79	207	0	207.0	1	0.90789474	0.0005482456
## 79-81	79	81	206	0	206.0	1	0.90350877	0.0021929825
## 81-88	81	88	205	0	205.0	2	0.89912281	0.0012531328
## 88-92	88	92	203	0	203.0	2	0.89035088	0.0021929825
## 92-93	92	93	201	1	200.5	1	0.88157895	0.0043969025
## 93-95	93	95	199	0	199.0	1	0.87718204	0.0022039750
## 95-105	95	105	198	0	198.0	2	0.87277409	0.0008815900
## 105-107	105	107	196	1	195.5	1	0.86395819	0.0022096118
## 107-110	107	110	194	0	194.0	2	0.85953897	0.0029537422
## 110-116	110	116	192	0	192.0	1	0.85067774	0.0007384355
## 116-118	116	118	191	0	191.0	1	0.84624713	0.0022153066
## 118-122	118	122	190	0	190.0	1	0.84181652	0.0011076533
## 122-131	122	131	189	0	189.0	1	0.83738591	0.0004922904
## 131-132	131	132	188	0	188.0	1	0.83295529	0.0044306133
## 132-135	132	135	187	0	187.0	2	0.82852468	0.0029537422
## 135-142	135	142	185	0	185.0	1	0.81966345	0.0006329448
## 142-144	142	144	184	0	184.0	1	0.81523284	0.0022153066
## 144-145	144	145	183	0	183.0	1	0.81080223	0.0044306133
## 145-147	145	147	182	0	182.0	2	0.80637161	0.0044306133
## 147-153	147	153	180	0	180.0	1	0.79751039	0.0007384355
## 153-156	153	156	179	0	179.0	1	0.79307977	0.0014768711
## 156-163	156	163	178	0	178.0	2	0.78864916	0.0012658895
## 163-166	163	166	176	0	176.0	3	0.77978793	0.0044306133
## 166-167	166	167	173	0	173.0	2	0.76649609	0.0088612265
## 167-170	167	170	171	0	171.0	1	0.75763487	0.0014768711
## 170-173	170	173	170	0	170.0	1	0.75320425	0.0014768711
## 173-174	173	174	169	1	168.5	0	0.74877364	0.0000000000
## 174-175	174	175	168	1	167.5	0	0.74877364	0.0000000000
## 175-176	175	176	167	1	166.5	1	0.74877364	0.0044971390
## 176-177	176	177	165	0	165.0	1	0.74427650	0.0045107667
## 177-179	177	179	164	1	163.5	1	0.73976573	0.0022622805
## 179-180	179	180	162	0	162.0	2	0.73524117	0.0090770515
## 180-181	180	181	160	0	160.0	1	0.72616412	0.0045385258
## 181-182	181	182	159	0	159.0	2	0.72162560	0.0090770515
## 182-183	182	183	157	0	157.0	1	0.71254854	0.0045385258
## 183-185	183	185	156	0	156.0	1	0.70801002	0.0022692629
## 185-186	185	186	155	1	154.5	0	0.70347149	0.0000000000

## 186-188	186	188	154	0 154.0	1 0.70347149	0.0022839984
## 188-189	188	189	153	1 152.5	0 0.69890350	0.0000000000
## 189-191	189	191	152	0 152.0	1 0.69890350	0.0022990247
## 191-192	191	192	151	1 150.5	0 0.69430545	0.0000000000
## 192-194	192	194	150	1 149.5	0 0.69430545	0.0000000000
## 194-196	194	196	149	0 149.0	1 0.69430545	0.0023298841
## 196-197	196	197	148	1 147.5	0 0.68964568	0.0000000000
## 197-199	197	199	147	1 146.5	1 0.68964568	0.0023537395
## 199-201	199	201	145	0 145.0	1 0.68493820	0.0023618559
## 201-202	201	202	144	0 144.0	2 0.68021449	0.0094474234
## 202-203	202	203	142	1 141.5	1 0.67076706	0.0047404033
## 203-207	203	207	140	1 139.5	0 0.66602666	0.0000000000
## 207-208	207	208	139	0 139.0	1 0.66602666	0.0047915587
## 208-210	208	210	138	0 138.0	1 0.66123510	0.0023957794
## 210-211	210	211	137	0 137.0	1 0.65644354	0.0047915587
## 211-212	211	212	136	1 135.5	0 0.65165199	0.0000000000
## 212-218	212	218	135	0 135.0	1 0.65165199	0.0008045086
## 218-221	218	221	134	0 134.0	1 0.64682493	0.0016090172
## 221-222	221	222	133	1 132.5	0 0.64199788	0.0000000000
## 222-223	222	223	132	1 131.5	1 0.64199788	0.0048821132
## 223-224	223	224	130	0 130.0	1 0.63711577	0.0049008905
## 224-225	224	225	129	1 128.5	0 0.63221488	0.0000000000
## 225-226	225	226	128	2 127.0	0 0.63221488	0.0000000000
## 226-229	226	229	126	0 126.0	1 0.63221488	0.0016725261
## 229-230	229	230	125	0 125.0	1 0.62719730	0.0050175784
## 230-235	230	235	124	0 124.0	1 0.62217972	0.0010035157
## 235-237	235	237	123	1 122.5	0 0.61716214	0.0000000000
## 237-239	237	239	122	1 121.5	0 0.61716214	0.0000000000
## 239-240	239	240	121	0 121.0	2 0.61716214	0.0102010272
## 240-243	240	243	119	1 118.5	0 0.60696112	0.0000000000
## 243-245	243	245	118	1 117.5	0 0.60696112	0.0000000000
## 245-246	245	246	117	0 117.0	1 0.60696112	0.0051877018
## 246-252	246	252	116	0 116.0	1 0.60177341	0.0008646170
## 252-259	252	259	115	1 114.5	0 0.59658571	0.0000000000
## 259-266	259	266	114	1 113.5	0 0.59658571	0.0000000000
## 266-267	266	267	113	1 112.5	0 0.59658571	0.0000000000
## 267-268	267	268	112	0 112.0	1 0.59658571	0.0053266581
## 268-269	268	269	111	0 111.0	1 0.59125905	0.0053266581
## 269-270	269	270	110	1 109.5	1 0.58593240	0.0053509808
## 270-272	270	272	108	0 108.0	1 0.58058141	0.0026878769
## 272-276	272	276	107	1 106.5	0 0.57520566	0.0000000000
## 276-279	276	279	106	1 105.5	0 0.57520566	0.0000000000
## 279-283	279	283	105	1 104.5	0 0.57520566	0.0000000000
## 283-284	283	284	104	0 104.0	1 0.57520566	0.0055308237
## 284-285	284	285	103	1 102.5	1 0.56967484	0.0055578033
## 285-286	285	286	101	0 101.0	2 0.56411703	0.0111706343
## 286-288	286	288	99	0 99.0	1 0.55294640	0.0027926586
## 288-291	288	291	98	0 98.0	1 0.54736108	0.0018617724
## 291-292	291	292	97	0 97.0	1 0.54177577	0.0055853172
## 292-293	292	293	96	2 95.0	0 0.53619045	0.0000000000
## 293-296	293	296	94	0 94.0	1 0.53619045	0.0019013846
## 296-300	296	300	93	1 92.5	0 0.53048629	0.0000000000
## 300-301	300	301	92	1 91.5	0 0.53048629	0.0000000000
## 301-303	301	303	91	1 90.5	1 0.53048629	0.0029308635

## 303-305	303	305	89	1	88.5	1	0.52462457	0.0029639806
## 305-306	305	306	87	0	87.0	1	0.51869661	0.0059620300
## 306-310	306	310	86	0	86.0	1	0.51273458	0.0014905075
## 310-315	310	315	85	0	85.0	2	0.50677255	0.0023848120
## 315-320	315	320	83	1	82.5	0	0.49484849	0.0000000000
## 320-329	320	329	82	0	82.0	1	0.49484849	0.0006705264
## 329-332	329	332	81	0	81.0	1	0.48881375	0.0020115792
## 332-337	332	337	80	1	79.5	0	0.48277901	0.0000000000
## 337-340	337	340	79	0	79.0	1	0.48277901	0.0020370422
## 340-345	340	345	78	0	78.0	1	0.47666788	0.0012222253
## 345-348	345	348	77	0	77.0	1	0.47055676	0.0020370422
## 348-350	348	350	76	0	76.0	1	0.46444563	0.0030555634
## 350-351	350	351	75	0	75.0	1	0.45833450	0.0061111267
## 351-353	351	353	74	0	74.0	1	0.45222338	0.0030555634
## 353-356	353	356	73	0	73.0	2	0.44611225	0.0040740845
## 356-361	356	361	71	1	70.5	0	0.43389000	0.0000000000
## 361-363	361	363	70	0	70.0	1	0.43389000	0.0030992143
## 363-364	363	364	69	0	69.0	2	0.42769157	0.0123968571
## 364-371	364	371	67	1	66.5	1	0.41529471	0.0008921476
## 371-376	371	376	65	0	65.0	2	0.40904968	0.0025172288
## 376-382	376	382	63	1	62.5	0	0.39646353	0.0000000000
## 382-384	382	384	62	1	61.5	0	0.39646353	0.0000000000
## 384-387	384	387	61	1	60.5	0	0.39646353	0.0000000000
## 387-390	387	390	60	0	60.0	1	0.39646353	0.0022025752
## 390-394	390	394	59	0	59.0	1	0.38985581	0.0016519314
## 394-404	394	404	58	0	58.0	1	0.38324808	0.0006607726
## 404-413	404	413	57	1	56.5	0	0.37664036	0.0000000000
## 413-426	413	426	56	1	55.5	0	0.37664036	0.0000000000
## 426-428	426	428	55	0	55.0	1	0.37664036	0.0034240033
## 428-429	428	429	54	0	54.0	1	0.36979235	0.0068480065
## 429-433	429	433	53	0	53.0	1	0.36294434	0.0017120016
## 433-442	433	442	52	0	52.0	1	0.35609634	0.0007608896
## 442-444	442	444	51	0	51.0	1	0.34924833	0.0034240033
## 444-450	444	450	50	1	49.5	1	0.34240033	0.0011528630
## 450-455	450	455	48	0	48.0	1	0.33548315	0.0013978464
## 455-457	455	457	47	0	47.0	1	0.32849391	0.0034946161
## 457-458	457	458	46	0	46.0	1	0.32150468	0.0069892322
## 458-460	458	460	45	1	44.5	0	0.31451545	0.0000000000
## 460-473	460	473	44	0	44.0	1	0.31451545	0.0005498522
## 473-477	473	477	43	0	43.0	1	0.30736737	0.0017870196
## 477-511	477	511	42	0	42.0	1	0.30021929	0.0002102376
## 511-519	511	519	41	2	40.0	0	0.29307122	0.0000000000
## 519-520	519	520	39	0	39.0	1	0.29307122	0.0075146465
## 520-524	520	524	38	0	38.0	1	0.28555657	0.0018786616
## 524-529	524	529	37	0	37.0	2	0.27804192	0.0030058586
## 529-533	529	533	35	1	34.5	0	0.26301263	0.0000000000
## 533-543	533	543	34	0	34.0	1	0.26301263	0.0007735666
## 543-550	543	550	33	1	32.5	0	0.25527696	0.0000000000
## 550-551	550	551	32	0	32.0	1	0.25527696	0.0079774051
## 551-558	551	558	31	1	30.5	0	0.24729956	0.0000000000
## 558-559	558	559	30	0	30.0	1	0.24729956	0.0082433186
## 559-567	559	567	29	1	28.5	0	0.23905624	0.0000000000
## 567-574	567	574	28	0	28.0	1	0.23905624	0.0012196747
## 574-583	574	583	27	0	27.0	1	0.23051852	0.0009486359

## 583-588	583	588	26	0	26.0	1	0.22198079	0.0017075446		
## 588-613	588	613	25	1	24.5	0	0.21344307	0.0000000000		
## 613-624	613	624	24	0	24.0	1	0.21344307	0.0008084965		
## 624-641	624	641	23	0	23.0	1	0.20454961	0.0005231448		
## 641-643	641	643	22	0	22.0	1	0.19565615	0.0044467306		
## 643-654	643	654	21	0	21.0	1	0.18676269	0.0008084965		
## 654-655	654	655	20	0	20.0	1	0.17786923	0.0088934613		
## 655-687	655	687	19	0	19.0	1	0.16897576	0.0002779207		
## 687-689	687	689	18	0	18.0	1	0.16008230	0.0044467306		
## 689-705	689	705	17	0	17.0	1	0.15118884	0.0005558413		
## 705-707	705	707	16	0	16.0	1	0.14229538	0.0044467306		
## 707-728	707	728	15	0	15.0	1	0.13340192	0.0004234982		
## 728-731	728	731	14	0	14.0	1	0.12450846	0.0029644871		
## 731-735	731	735	13	0	13.0	1	0.11561500	0.0022233653		
## 735-740	735	740	12	0	12.0	1	0.10672154	0.0017786923		
## 740-765	740	765	11	1	10.5	0	0.09782807	0.0000000000		
## 765-791	765	791	10	0	10.0	1	0.09782807	0.0003762618		
## 791-806	791	806	9	0	9.0	1	0.08804527	0.0006521872		
## 806-814	806	814	8	1	7.5	0	0.07826246	0.0000000000		
## 814-821	814	821	7	0	7.0	1	0.07826246	0.0015971930		
## 821-840	821	840	6	1	5.5	0	0.06708211	0.0000000000		
## 840-883	840	883	5	1	4.5	0	0.06708211	0.0000000000		
## 883-965	883	965	4	0	4.0	1	0.06708211	0.0002045186		
## 965-1010	965	1010	3	1	2.5	0	0.05031158	0.0000000000		
## 1010-1022	1010	1022	2	1	1.5	0	0.05031158	0.0000000000		
## 1022-Inf	1022	Inf	1	1	0.5	0	0.05031158	NA		
##	hazard		se.surv		se.pdf		se.hazard			
## 0-5	0.0000000000	0.0000000000	NaN		NaN		NaN			
## 5-11	0.0007326007	0.0000000000	0.0007293893	0.0007325990						
## 11-12	0.0133037694	0.004376336	0.0075465702	0.0076807649						
## 12-13	0.0044742729	0.008694643	0.0043763360	0.0044742617						
## 13-15	0.0045045045	0.009699183	0.0030877132	0.0031851334						
## 15-26	0.0004122861	0.011424650	0.0003978487	0.0004122851						
## 26-30	0.0011389522	0.012185800	0.0010940840	0.0011389492						
## 30-31	0.0045766590	0.012895585	0.0043763360	0.0045766471						
## 31-53	0.0002089864	0.013562070	0.0001989244	0.0002089859						
## 53-54	0.0092592593	0.014191357	0.0061754264	0.0065472148						
## 54-59	0.0009324009	0.015356372	0.0008752672	0.0009323984						
## 59-60	0.0046838407	0.015898957	0.0043763360	0.0046838279						
## 60-61	0.0094339623	0.016418488	0.0061754264	0.0066707445						
## 61-62	0.0047505938	0.017396562	0.0043763360	0.0047505804						
## 62-65	0.0015910899	0.017858445	0.0014587787	0.0015910854						
## 65-71	0.0016025641	0.018304070	0.0010292377	0.0011331708						
## 71-79	0.0006053269	0.019151048	0.0005470420	0.0006053251						
## 79-81	0.0024330900	0.019554318	0.0021881680	0.0024330828						
## 81-88	0.0014005602	0.019945208	0.0008822038	0.0009903337						
## 88-92	0.0024752475	0.020692633	0.0015438566	0.0017502429						
## 92-93	0.0050000000	0.021398220	0.0043872222	0.0049999844						
## 93-95	0.0025188917	0.021738540	0.0021991088	0.0025188837						
## 95-105	0.0010152284	0.022071679	0.0006206225	0.0007178657						
## 105-107	0.0025641026	0.022711994	0.0022047187	0.0025640941						
## 107-110	0.0034542314	0.023021744	0.0020793227	0.0024424777						
## 110-116	0.0008703220	0.023621709	0.0007367954	0.0008703191						
## 116-118	0.0026246719	0.023910583	0.0022103862	0.0026246629						

## 118-122	0.0013192612	0.024192409	0.0011051931	0.0013192566
## 122-131	0.0005894489	0.024467430	0.0004911969	0.0005894468
## 131-132	0.0053333333	0.024735873	0.0044207724	0.0053333144
## 132-135	0.0035842294	0.024997949	0.0020793227	0.0025343963
## 135-142	0.0007742935	0.025503782	0.0006315389	0.0007742906
## 142-144	0.0027247956	0.025747899	0.0022103862	0.0027247855
## 144-145	0.0054794521	0.025986372	0.0044207724	0.0054794315
## 145-147	0.0055248619	0.026219354	0.0031189841	0.0039066077
## 147-153	0.0009285051	0.026669418	0.0007367954	0.0009285015
## 153-156	0.0018674136	0.026886767	0.0014735908	0.0018674063
## 156-163	0.0016142050	0.027099158	0.0008911383	0.0011413971
## 163-166	0.0057306590	0.027509527	0.0025409328	0.0033084753
## 166-167	0.0116279070	0.028090603	0.0062379682	0.0082220329
## 167-170	0.0019550342	0.028456099	0.0014735908	0.0019550258
## 170-173	0.0019665683	0.028632535	0.0014735908	0.0019665598
## 173-174	0.0000000000	0.028804866	NaN	NaN
## 174-175	0.0000000000	0.028804866	NaN	NaN
## 175-176	0.0060240964	0.028804866	0.0044869502	0.0060240691
## 176-177	0.0060790274	0.028980794	0.0045005056	0.0060789993
## 177-179	0.0030674847	0.029154083	0.0022571132	0.0030674702
## 179-180	0.0124223602	0.029324763	0.0063889673	0.0087837657
## 180-181	0.0062695925	0.029656828	0.0045281159	0.0062695617
## 181-182	0.0126582278	0.029816727	0.0063889673	0.0089505395
## 182-183	0.0063897764	0.030124581	0.0045281159	0.0063897437
## 183-185	0.0032154341	0.030272658	0.0022640580	0.0032154175
## 185-186	0.0000000000	0.030416912	NaN	NaN
## 186-188	0.0032573290	0.030416912	0.0022787117	0.0032573117
## 188-189	0.0000000000	0.030560484	NaN	NaN
## 189-191	0.0033003300	0.030560484	0.0022936537	0.0033003121
## 191-192	0.0000000000	0.030703385	NaN	NaN
## 192-194	0.0000000000	0.030703385	NaN	NaN
## 194-196	0.0033670034	0.030703385	0.0023243372	0.0033669843
## 196-197	0.0000000000	0.030848896	NaN	NaN
## 197-199	0.0034246575	0.030848896	0.0023480542	0.0034246375
## 199-201	0.0034602076	0.030995418	0.0023561229	0.0034601869
## 201-202	0.0139860140	0.031139524	0.0066478671	0.0098893635
## 202-203	0.0070921986	0.031415423	0.0047288377	0.0070921540
## 203-207	0.0000000000	0.031549028	NaN	NaN
## 207-208	0.0072202166	0.031549028	0.0047796839	0.0072201696
## 208-210	0.0036363636	0.031683830	0.0023898419	0.0036363396
## 210-211	0.0073260073	0.031814489	0.0047796839	0.0073259582
## 211-212	0.0000000000	0.031941055	NaN	NaN
## 212-218	0.0012391574	0.031941055	0.0008024929	0.0012391488
## 218-221	0.0024968789	0.032067122	0.0016049857	0.0024968614
## 221-222	0.0000000000	0.032189072	NaN	NaN
## 222-223	0.0076335878	0.032189072	0.0048696707	0.0076335322
## 223-224	0.0077220077	0.032312402	0.0048883278	0.0077219502
## 224-225	0.0000000000	0.032433380	NaN	NaN
## 225-226	0.0000000000	0.032433380	NaN	NaN
## 226-229	0.0026560425	0.032433380	0.0016680841	0.0026560214
## 229-230	0.0080321285	0.032561779	0.0050042523	0.0080320637
## 230-235	0.0016194332	0.032685588	0.0010008505	0.0016194199
## 235-237	0.0000000000	0.032804859	NaN	NaN
## 237-239	0.0000000000	0.032804859	NaN	NaN

## 239-240	0.0166666667	0.032804859	0.0071738750	0.0117847038
## 240-243	0.0000000000	0.033046146	NaN	NaN
## 243-245	0.0000000000	0.033046146	NaN	NaN
## 245-246	0.0085836910	0.033046146	0.0051732008	0.0085836119
## 246-252	0.0014430014	0.033168393	0.0008622001	0.0014429879
## 252-259	0.0000000000	0.033285678	NaN	NaN
## 259-266	0.0000000000	0.033285678	NaN	NaN
## 266-267	0.0000000000	0.033285678	NaN	NaN
## 267-268	0.0089686099	0.033285678	0.0053111466	0.0089685197
## 268-269	0.0090497738	0.033411975	0.0053111466	0.0090496811
## 269-270	0.0091743119	0.033532875	0.0053352870	0.0091742154
## 270-272	0.0046511628	0.033650870	0.0026799362	0.0046511125
## 272-276	0.0000000000	0.033765948	NaN	NaN
## 276-279	0.0000000000	0.033765948	NaN	NaN
## 279-283	0.0000000000	0.033765948	NaN	NaN
## 283-284	0.0096618357	0.033765948	0.0055137363	0.0096617230
## 284-285	0.0098039216	0.033891220	0.0055405006	0.0098038038
## 285-286	0.0200000000	0.034013232	0.0078491848	0.0141414285
## 286-288	0.0050761421	0.034244588	0.0027838961	0.0050760767
## 288-291	0.0034188034	0.034351148	0.0018559307	0.0034187585
## 291-292	0.0103626943	0.034451706	0.0055677921	0.0103625552
## 292-293	0.0000000000	0.034546313	NaN	NaN
## 293-296	0.0035650624	0.034546313	0.0018952072	0.0035650114
## 296-300	0.0000000000	0.034646523	NaN	NaN
## 300-301	0.0000000000	0.034646523	NaN	NaN
## 301-303	0.0055555556	0.034646523	0.0029209048	0.0055554698
## 303-305	0.0056818182	0.034756014	0.0029537216	0.0056817265
## 305-306	0.0115606936	0.034865161	0.0059411976	0.0115605005
## 306-310	0.0029239766	0.034970457	0.0014852994	0.0029239266
## 310-315	0.0047619048	0.035068368	0.0016745114	0.0033669365
## 315-320	0.0000000000	0.035242271	NaN	NaN
## 320-329	0.0013633265	0.035242271	0.0006681340	0.0013633009
## 329-332	0.0041407867	0.035325390	0.0020044021	0.0041407069
## 332-337	0.0000000000	0.035400987	NaN	NaN
## 337-340	0.0042462845	0.035400987	0.0020296125	0.0042461984
## 340-345	0.0025806452	0.035476422	0.0012177675	0.0025805915
## 345-348	0.0043572985	0.035544047	0.0020296125	0.0043572054
## 348-350	0.0066225166	0.035603906	0.0030444188	0.0066223713
## 350-351	0.0134228188	0.035656040	0.0060888376	0.0134225165
## 351-353	0.0068027211	0.035700482	0.0030444188	0.0068025637
## 353-356	0.0092592593	0.035737260	0.0028597598	0.0065466535
## 356-361	0.0000000000	0.035787915	NaN	NaN
## 361-363	0.0071942446	0.035787915	0.0030875975	0.0071940584
## 363-364	0.0294117647	0.035809417	0.0087000635	0.0207950093
## 364-371	0.0021645022	0.035828318	0.0008887533	0.0021644401
## 371-376	0.0062500000	0.035829681	0.0017661689	0.0044188779
## 376-382	0.0000000000	0.035815484	NaN	NaN
## 382-384	0.0000000000	0.035815484	NaN	NaN
## 384-387	0.0000000000	0.035815484	NaN	NaN
## 387-390	0.0056022409	0.035815484	0.0021931878	0.0056020431
## 390-394	0.0042735043	0.035822915	0.0016448909	0.0042733482
## 394-404	0.0017391304	0.035819978	0.0006579563	0.0017390647
## 404-413	0.0000000000	0.035806671	NaN	NaN
## 413-426	0.0000000000	0.035806671	NaN	NaN

## 426-428	0.0091743119	0.035806671	0.0034083131	0.0091739258
## 428-429	0.0186915888	0.035804491	0.0068166263	0.0186907725
## 429-433	0.0047619048	0.035790333	0.0017041566	0.0047616888
## 433-442	0.0021574973	0.035764181	0.0007574029	0.0021573956
## 442-444	0.0099009901	0.035726010	0.0034083131	0.0099005048
## 444-450	0.0034013605	0.035675781	0.0011474632	0.0034011835
## 450-455	0.0042105263	0.035619332	0.0013911483	0.0042102930
## 455-457	0.0107526882	0.035556365	0.0034778707	0.0107520665
## 457-458	0.0219780220	0.035480126	0.0069557414	0.0219766949
## 458-460	0.0000000000	0.035390529	NaN	NaN
## 460-473	0.0017683466	0.035390529	0.0005470779	0.0017682298
## 473-477	0.0058823529	0.035300693	0.0017780031	0.0058819458
## 477-511	0.0007087172	0.035196018	0.0002091768	0.0007086658
## 511-519	0.0000000000	0.035076372	NaN	NaN
## 519-520	0.0259740260	0.035076372	0.0074720062	0.0259718355
## 520-524	0.0066666667	0.034972672	0.0018680015	0.0066660740
## 524-529	0.0111111111	0.034850332	0.0021012727	0.0078537103
## 529-533	0.0000000000	0.034548908	NaN	NaN
## 533-543	0.0029850746	0.034548908	0.0007688502	0.0029847421
## 543-550	0.0000000000	0.034387887	NaN	NaN
## 550-551	0.0317460317	0.034387887	0.0079249659	0.0317420322
## 551-558	0.0000000000	0.034226071	NaN	NaN
## 558-559	0.0338983051	0.034226071	0.0081846690	0.0338934357
## 559-567	0.0000000000	0.034063438	NaN	NaN
## 567-574	0.0051948052	0.034063438	0.0012102403	0.0051939465
## 574-583	0.0041928721	0.033899961	0.0009412980	0.0041921257
## 583-588	0.0078431373	0.033702378	0.0016943364	0.0078416294
## 588-613	0.0000000000	0.033470085	NaN	NaN
## 613-624	0.0038684720	0.033470085	0.0008015633	0.0038675962
## 624-641	0.0026143791	0.033236060	0.0005186586	0.0026137335
## 641-643	0.0232558140	0.032959420	0.0044085983	0.0232495243
## 643-654	0.0044345898	0.032639081	0.0008015633	0.0044332706
## 654-655	0.0512820513	0.032273744	0.0088171967	0.0512651905
## 655-687	0.0016891892	0.031861859	0.0002755374	0.0016885721
## 687-689	0.0285714286	0.031401595	0.0044085983	0.0285597644
## 689-705	0.0037878788	0.030890789	0.0005510748	0.0037861392
## 705-707	0.0322580645	0.030326889	0.0044085983	0.0322412766
## 707-728	0.0032840722	0.029706870	0.0004198665	0.0032821192
## 728-731	0.0246913580	0.029027137	0.0029390656	0.0246744171
## 731-735	0.0200000000	0.028283384	0.0022042992	0.0199839936
## 735-740	0.0173913043	0.027470413	0.0017634393	0.0173748587
## 740-765	0.0000000000	0.026581872	NaN	NaN
## 765-791	0.0040485830	0.026581872	0.0003713062	0.0040429717
## 791-806	0.0078431373	0.025660781	0.0006435973	0.0078295561
## 806-814	0.0000000000	0.024603795	NaN	NaN
## 814-821	0.0219780220	0.024603795	0.0015616389	0.0219129018
## 821-840	0.0000000000	0.023492288	NaN	NaN
## 840-883	0.0000000000	0.023492288	NaN	NaN
## 883-965	0.0034843206	0.023492288	0.0001910516	0.0034485830
## 965-1010	0.0000000000	0.022833631	NaN	NaN
## 1010-1022	0.0000000000	0.022833631	NaN	NaN
## 1022-Inf	NA	0.022833631	NA	NA