

Topic Modelling

Digital Humanities: Hands on Data
LHU002P05.2020-2021.1B

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1 Introduction

The sitcom genre is predicated on placing characters in a shared situation from which they are routinely displaced and replaced (Beeden & De Bruin, 2010). I examine this claim through the case study of The Office (US) television show. Thus, my research question is “Do the topics about business in The Office (US) television show increase or decrease over time?”

2 Methodology

As Tangherlini and Leonard (2013) highlight, topic modelling is a useful method to analyse a large corpus to pinpoint interesting aspects of the text. Thus, it is a fitting approach to answer my research question.

2.1 Corpus

For the analysis, the subtitles of the show from season 1-9 were used. The corpus was retrieved from the Schrute package (Lindblad, n.d.). The corpus was pre-processed by Dr. Andreas van Cranenburgh to fit the appropriate format for

Mallet. They also assisted in the data visualisation.

2.2 Model Selection

The online analysis tool (n.d.) was limiting, thus I used Mallet2.0.8. I ran 7 runs changing the number of topics, the number of iterations and optimise interval values (see appendix A).

Using 100-500 topics made them too fine-grained. Topics became episode specific (see appendix B). For example, consider the following topic from run 4:

“foot sensei black belt burned grill aspirin george foreman concussion
sempai duties belts billy karate ira cherry cast injury afraid”

This topic almost entirely refers to Michael Scott burning his “*foot*” on a “*George*” “*Foreman*” “*grill*”. Dwight Schrute gets a “*concussion*” while driving to Michael’s home. Michael wraps his foot in a homemade “*cast*”. Pam Beesly offers Michael an “*aspirin*”. Dwight says that it is part of his *duties* to take care of Michael (Silverman & Daniels, 2005-2013, s2e12). “*Billy*” possibly refers to the disabled property manager of the Scranton Business Park who Michael brings in to talk about disabilities in the same episode. “*Sensei*”, “*sempai*”, “*belts*”, “*karate*”, and “*ira*” seem to refer to the occasions when Dwight talks about learning “*karate*”, and his “*senseis*” Ira and “*Billy*” (Silverman & Daniels, 2005-2013, s2e16, s9e21). “*cherry*” is used in many contexts, it’s used as the fruit, as a type of pie, and a type of wood. It is used 5 times in the corpus. It appears to be an “intruder word” (Rhody, 2012) and does not fit the topic.

Thus, the number of topics was reduced to 25. The number of iterations was also reduced to match the computer’s capabilities. The recommended value for optimising intervals was used (*topic modelling*, n.d.) (see appendix A).

2.3 Analysis

The model produced 25 topics (see appendix B), which were analysed and named. Some topics were coherent while others were not. This was also confirmed by the Word Intrusion (Chang, Gerrish, Wang, Boyd-Graber, & Blei, 2009; Rhody, 2012) test performed (see appendix C).

For example, consider topic “x”:

“hot blah coffee china fail read katy children paper building island
movies cup warmer dah war swank desert nate book”

This topic possibly refers to Micheal and Oscar Martinez discussing “*China*” over a “*cup*” of “*coffee*”, and Dwight’s “*building*” changes bothering the employees (Silverman & Daniels, 2005-2013, s7e10). However, “*Katy*” was a character who sold purses in season one and is not mentioned in season seven in the corpus. “*Nate*” possibly refers to Nate Nickerson, a warehouse worker hired in season seven. I hypothesised that the remaining words referred to season seven broadly. However, this topic is more prevalent in season one.

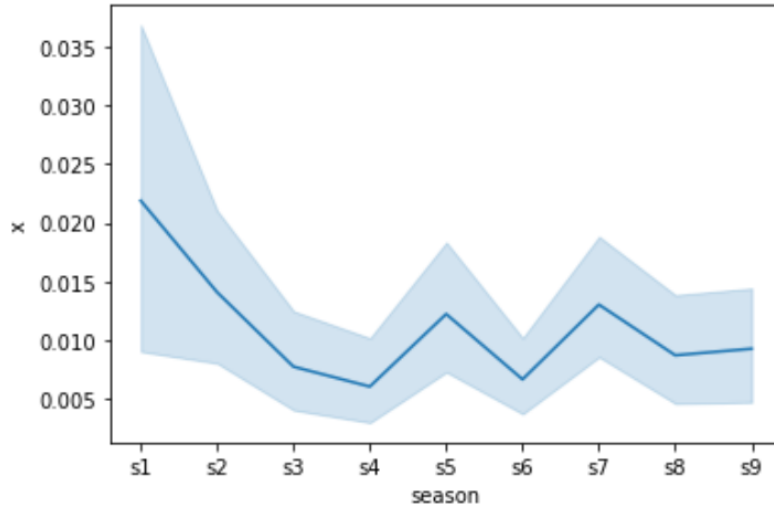


Figure 1: Changes in the “x” topic over season 9

According to Beeden and De Bruin’s (2010) analysis of the show, “The Office” (US) focuses on discussions of race and physical competitions such as sports. Both of these become apparent as their own distinct topics. This was a confirmation that the topic model is working accurately. For example:

“team game ball ryan play scranton pum roy player phyllis basketball
fear hoo points saturday piece win throw misses egg”

Words like “*team*” “*game*” “*ball*” “*player*” “*basketball*” and “*points*” show the prevalence of sports in the show. The show also exhibits alternative sports

like paper plane throwing (Silverman & Daniels, 2005-2013, s9e21), office olympics (Silverman & Daniels, 2005-2013, s2e3), and the beach games in (Silverman & Daniels, 2005-2013, s3e23) which involved a spoon- “egg” race. “phyllis” might be present because she mentions that she plays basketball and is shown to be good at it. However, it is a bit unclear why Ryan Howard and Phyllis Vance are present in this topic and other team members are not. The word “pum” is another ‘intruder word’, it refers to a song Angela Martin sings in a Christmas party (Silverman & Daniels, 2005-2013, s3e11). The words “saturday” and “fear” are used in various contexts in the text and also do not fit very well. However “saturday” might be present because in the same episode, Dwight Schrute is picks who must work on Saturday.

I then classified these topics into business / work-related topics and non-business related topics. Business topics included, “Business”, “Dwight-Aspirations”, “Higher-ups”, and “money-lottery”. For example, consider “Dwight-Aspirations”:

“manager job dwight regional assistant sales interview plan branch
salesman raise offer position hearing belt question speak decision
resume schrute”

For the majority of the show “*Dwight*” “*Schrute*” holds the role of “*Assistant*” to the “*Regional*” “*Manager*”. Words like “*raise*”, “*resume*”, “*offer*”, “*interview*” and “*position*” refer to his aspirations to be Regional Manager of the Scranton Branch of the Dunder Mifflin Paper Company. They may also be present because in the season nine, Dwight was in charge of hiring a manager for the Dunder Mifflin branch. The word “*belt*” refers to Dwight’s being promoted to a black belt which lines up with his arc of promotion.

“Jan-Michael” was a difficult topic to classify, since Jan Levinson was Michael’s boss for a time, however most of the key words focused more on the personal relationship Jan and Michael had rather than business. Thus, I chose to classify it as a non-business related topic.

“Music” is a non-business related topic:

“singing song sing play sell hay hear guitar wuphf show danny de-
cided audition star croak sings rob broccoli halloween champ”

Music was prevalent in the show broadly, such as Dwight and Michael’s “Lazy Scranton” music video (Silverman & Daniels, 2005-2013, s3e8) and karaoke

on Christmas (Silverman & Daniels, 2005-2013, s3e11). However, it grew in importance since the Arrival of Andrew Bernard. Andrew was part of the A Capella group at Cornell University. This relation is also visible through the inclusion of “*champ*” referring to “*Boner Champ*” Andrew’s nickname at university in this topic (Silverman & Daniels, 2005-2013, s9e5). “*Broccoli Rob*” an A Capella friend of Andrew’s is also present. Words like “show” and “*audition*” might refer to Andrew’s audition for “America’s Next Great A Capella Star”. “*decided*” might refer to Andrew’s vocal decision to leave the office and follow his dreams (Silverman & Daniels, 2005-2013, s9e22).

There does seem to be some noise in this topic, for example “*wuphf*”, Ryan’s start-up social media platform) (Silverman & Daniels, 2005-2013, s7e9) and “*danny*”, The newly hired travelling salesman. (Silverman & Daniels, 2005-2013, s7e5).

After the classification, I created a new column which contained the cumulative values of the business topics. I plotted this variable against the seasons to see the change in business topics.

3 Results

It is immediately clear that non-business topics make up the bulk of topics. This is in contrast to more serious shows around professions such as Boston Legal, Grey’s Anatomy, etc. (Schmidt, 2014).

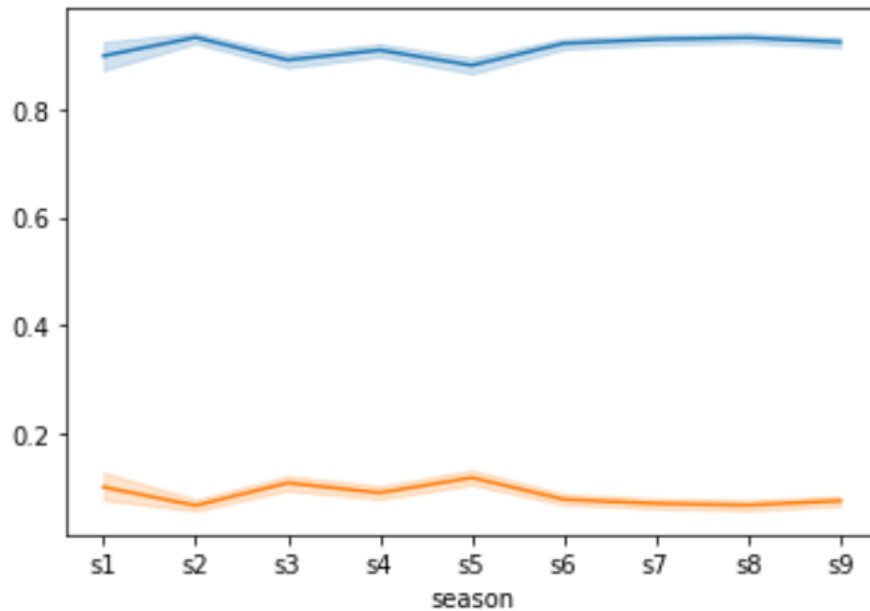


Figure 2: Changes in the business related (orange) and non-business related (blue) topics over the course of the show.

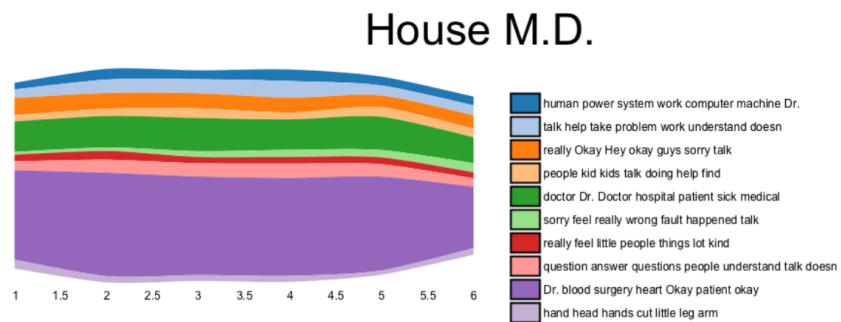


Figure 3: Changes in topics for House MD courtesy Ben Schmidt (2014)

Similar to the topic models of various sitcoms by Ben Schmidt (2014), the bulk of the topic is made up of colloquial words (labelled “filler-words” in this model).

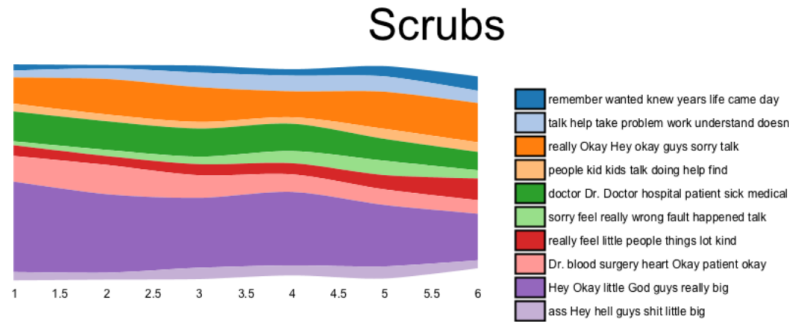


Figure 4: Changes in topics for Scrubs courtesy Ben Schmidt (2014)

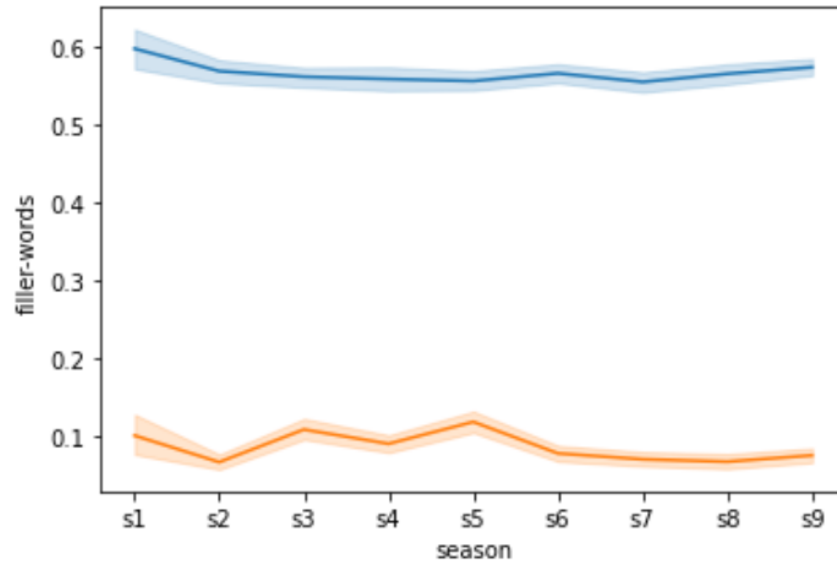


Figure 5: Comparison of Filler Words and Business related topics over the seasons

Business topics reach a peak in season five where there are multiple ongoing business related plot points (Silverman & Daniels, 2005-2013). Ryan is caught in a scandal about his digitisation endeavours; Charles Miner, the Regional Vice President visits the Scranton Branch; Michael quits Dunder Mifflin and starts his own paper company. For a more detailed breakdown of each season, see appendix D.

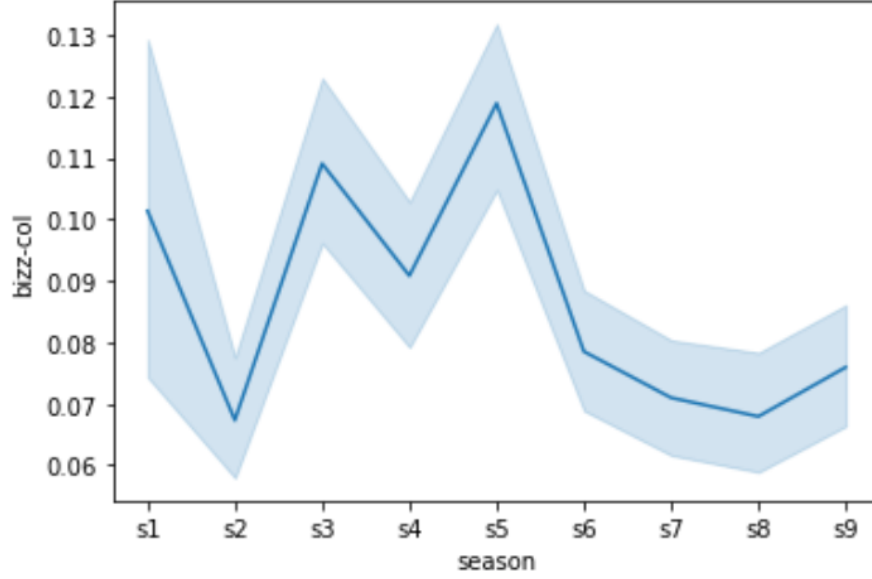


Figure 6: Changes in Business related topics over the seasons

It drops sharply after that and remains low till the end of the show. This is further confirmed through correlation (see appendix E). There is a statistically significant negative correlation between the seasons and the business related topics ($r_s = -.092$, $p = 0.01$).

This may have been an active choice on the part of the production team. In earlier seasons the show lays the groundwork for the central situation our characters are in, namely, the office. In later seasons the writers can focus on the personal experiences of the characters themselves. This is similar to the progression of sitcoms like "Friends" and "How I Met Your Mother" where characters are bound by the central situation of an apartment. Over time, the topic related to the situation diminishes (Schmidt, 2014).

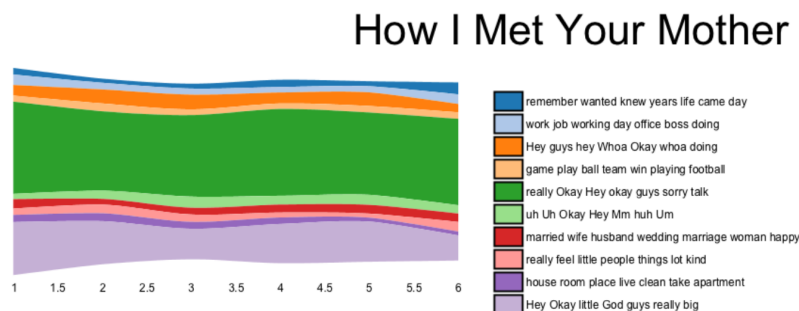


Figure 7: Changes in topics for How I Met Your Mother courtesy Ben Schmidt (2014)

4 Limitations

As useful as topic modelling is, it is not without limitations. For example, there is no automated way to filter interesting topics (Nikolenko, Koltcov, & Koltsova, 2016). It would have been productive to analyse the 300 topics produced in earlier runs, however, it was not feasible. It is also difficult to operationalise a cultural concept such as “business” (Nguyen et al., 2020), I have made decisions to classify some topics as business related, however it is possible that in doing so I have exclude certain relevant topics.

There is also the case of the unnamed topics. These topics might be confusing because they have lost their context, and thus the values and ideas they conveyed (Nguyen et al., 2020). However, it is also possible that the diversity exhibited in these topics might relate to literariness (van Cranenburgh, Jautze, & Koolen, 2016).

5 Conclusion

The findings indicate that the amount of business related talk in the office goes down over the years. This may have been an active choice on the part of the production team in line with the trajectory of other, similar sitcoms. Or, this could be a coincidence. In either case, it is concept worth exploring further (Schmidt, 2014).

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Appendix A

Runs

Runs and corresponding parameters.

Run No.	Topics	Iterations	Interval
1	100	-	20
2	500	-	20
3	500	5000	10
4	300	10000	10
5	100	100000	10
6	160	10000000	10
7	25	100000	10

See appendix E for the keys for run 4.

The final parameters used were :

```
./bin/mallet train-topics --num-topics 25
--optimize-interval 10 --num-iterations 100000 --input
tot.mallet --output-state topic-state.gz
--output-topic-keys tot_keys.txt --output-doc-topics
tot_composition.txt
```

Appendix B
25 Topics

Index	Nicknames	Weight	Keys
0	Business	0.29545	phone paper dunder mifflin business company hangs call clients ryan rings scott sales cell client sell calling money customer offer
1	Meredith	0.0997	birthday cake meredith happy ice cream lice bird luke box chocolate surprise relax balloon corner peanut mother party funeral butter
2	Main-Room	1.02817	michael jim dwight office pam room stanley hand walks desk back door phyllis hands put head stop camera michael's jim's
3	Mike-Jan	0.11819	jan michael roy file joke relationship raise toby mike performance dinner jan's review stomach babe joking suggestion complaint michael's folder
4	Dwight-Aspirations	0.12822	manager job dwight regional assistant sales interview plan branch salesman raise offer position hearing belt question speak decision resume schrute
5	X	0.06735	hot blah coffee china fail read kathy children paper building island movies cup warmer dah war swank desert nate book
6	y	0.07796	cat meredith boom doctor speaking rabies sighs spanish herpes water stop speak plane pitch sprinkles news princess bike run device
7	Higher-ups	0.14199	michael david scott wallace company branch charles idea scranton mifflin dunder jan room ticket speakerphone golden josh stamford crowd diary
8	After-Mike	0.22446	andy erin gabe robert sabre dog nellie andy's darryl florida pete hot dogs ring water cookie bernard takes jessica erin's
9	Race-Discussions	0.05209	deangelo dundies kelly indian year award donna dundie minority affair speech program diversity diwali executive offensive deangelo's race card halpert
10	Music	0.07292	singing song sing play sell hay hear guitar wuphf show danny decided audition star croak sings rob broccoli halloween champ
11	Holly	0.09383	holly pizza computer party york beep cheese holly's eat ring fat woah note warning board e.t resolution enemy pizzas losers
12	Dwight-Farm	0.0982	dwight whoa video farm beet mose eat nellie phillip clark horse white packer aunt line cupcake beets dirt pete cupcakes
13	Filler-words	4.82711	i'm it's don't yeah that's hey good you're gonna time back great pam we're guys can't people dwight he's make
14	Phyllis-Vance-Cruise	0.07131	phyllis boat wedding bob vance leads dancing captain dance respect ship jack stripper franklin shrute king refrigeration cruise valentine's mmm-hmm
15	Money-Lottery	0.14691	dollars money hundred thousand darryl warehouse win ten buy chairs book dollar number costume fifty points copier sold year bucks

Index	Nicknames	Weight	Keys
16	Sports-Basketball	0.1164	team game ball ryan play scranton pum roy player phyllis basketball fear hoo points saturday piece win throw misses egg
17	Drugs	0.06903	stop bus foot drugs pie urine bottle gas cece pies drug wine chuck testing station nope group police mexico million
18	Z	0.08319	wedding war a-wimowheh fight wheel quiet chicken farms lucky glee battle letter speech cookies toaster school steal coughs flag hooters
19	Babies	0.10594	baby she's minutes hospital kelly cece phyllis car pounds thirty daddy pregnant dot shower cathy attractive amazing midnight lying boo
20	Mike's flm	0.05794	michael accent scarn movie gun character goldenface game creed press threat president kill harry bar mikanos mafia agent puck murder
21	Andrew	0.07864	andy robert gym bernard cornell donna california jump andy's stress soup andrew dad toast related cece parents click tuna parkour
22	Accountants-Pam	0.0976	oscar gay angela senator cheers mural mose applause documentary bell angela's crew robert beer paint frank accountant oscar's wedding brian
23	Women	0.08892	women prison packer woman clothes todd hank martin jumping club mike suit naked queen voice pens s*x woman's pros speak
24	Christmas	0.09662	christmas party santa gift carol tree merry committee meredith planning fun phyllis year girls starts ipod angela drink present singing

Appendix C

Topic Cohesion: Word Intrusion

The following outline the results of the Word Intrusion test conducted with one participant. To avoid confusion about any names specific to the show, these words were explained in advance. The words highlighted in italics are the words selected as the odd ones out by the participant

Test words	Real words
Phone	Phone
Paper	Paper
Dunder	Dunder
Mifflin	Mifflin
Business	Business
<i>Chicken</i>	Company

Table 1: Word Intrusion test for the topic “Busines”

Test words	Real words
Christmas	Christmas
Party	Party
<i>Sell</i>	Tree
Santa	Santa
Gift	Gift
Carol	Carol

Table 2: Word Intrusion test for the topic “Christmas”

Test words	Real words
Dwight	Dwight
<i>Video</i>	Video
Farm	Farm
Beet	Beet
Mose	Mose
Warehouse	Eat

Table 3: Word Intrusion test for the topic “Dwight-Farm”

Test words	Real words
Baby	Baby
She’s	She’s
<i>Minutes</i>	Minutes
Kelly	Kelly
Wuphf	Hospital
Cece	Cece

Table 4: Word Intrusion test for the topic “Babies”

It is evident from the above results, that some topics, such as “Christmas” and “Business” were very cohesive, whereas, the topics “Dwight-Farm” and “Babies” were not very cohesive.

Appendix D

Season-by-Season Breakdown of peaks

Some episodes that aired as two-parters were considered one text. Thus, there may be some skips in episode numbers.

In season 1, most episodes revolve around the office space and functioning, presumably to establish the setting of the show. Episodes such as “The Office: An American Workplace”, “Diversity Day”, “Health Care”, “Basketball”, all work to establish different aspects of the workplace.

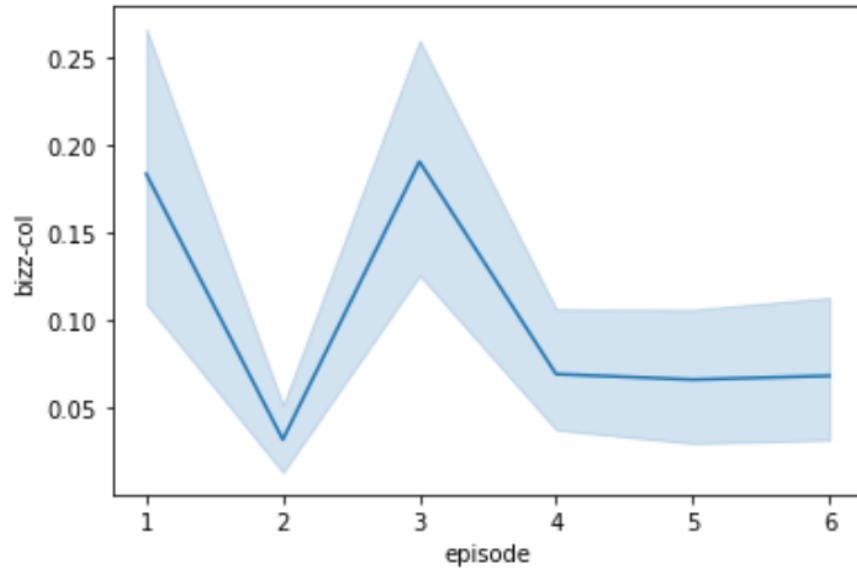


Figure 8: Changes in the “Business” topic over season 1

In season 2, there appears to be effort to build up character’s personal lives, episodes revolve more around events that are not work related or are organised by employees but do not directly relate to work, such as Valentine’s Day, Halloween, Office olympics, Christmas party, Casino night, etc.

‘Halloween’ has the sub plot of Michael having to fire someone. “The Fight” includes a sub-plot about Michael having to sign important documents.

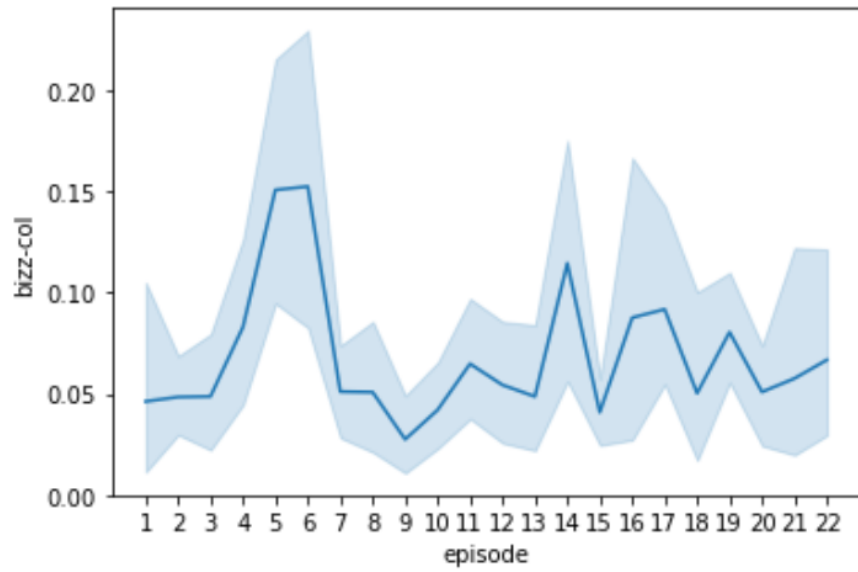


Figure 9: Changes in the “Business” topic over season 2

In season 3, one of the major plot points is that the Scranton Branch may close, discussed from episode 7. Season 3 also begins with a supply convention in Philadelphia.

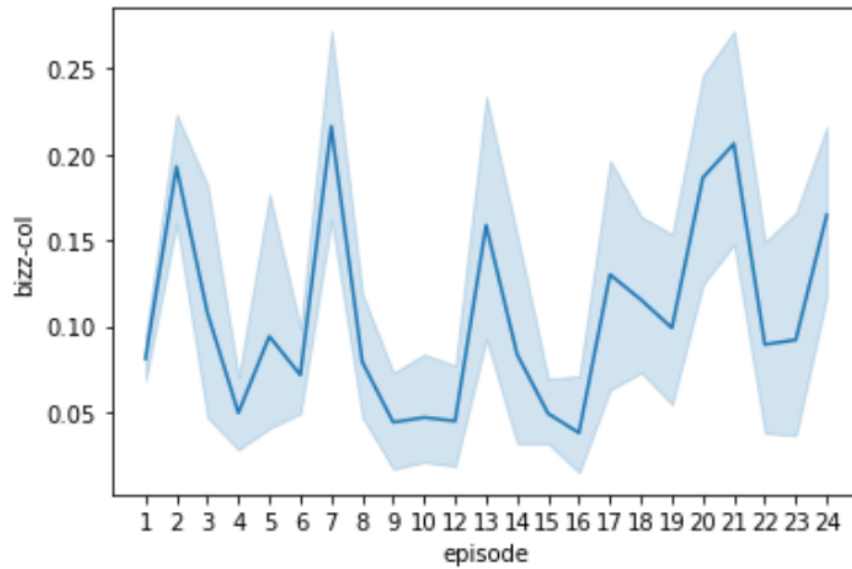


Figure 10: Changes in the “Business” topic over season 3

In season 4, Michael takes on a second job, the branch participates in an ad campaign, and there is also a plot in which the regional manager of the Utica branch tries to convince Stanley Hudson, one of the salespersons at the Scranton branch to transfer to Utica.

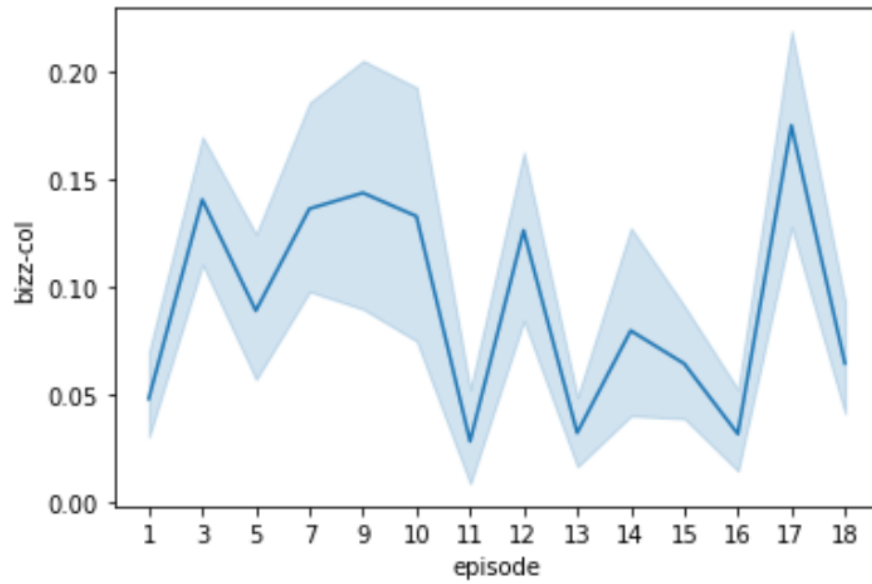


Figure 11: Changes in the “Business” topic over season 4

Season 5 also has multiple business related plot points, Ryan Howard gets caught in a scandal, Charles Miner, the regional vice president visits the Scranton branch, and Michael Scott quits Dunder Mifflin and starts his own paper company.

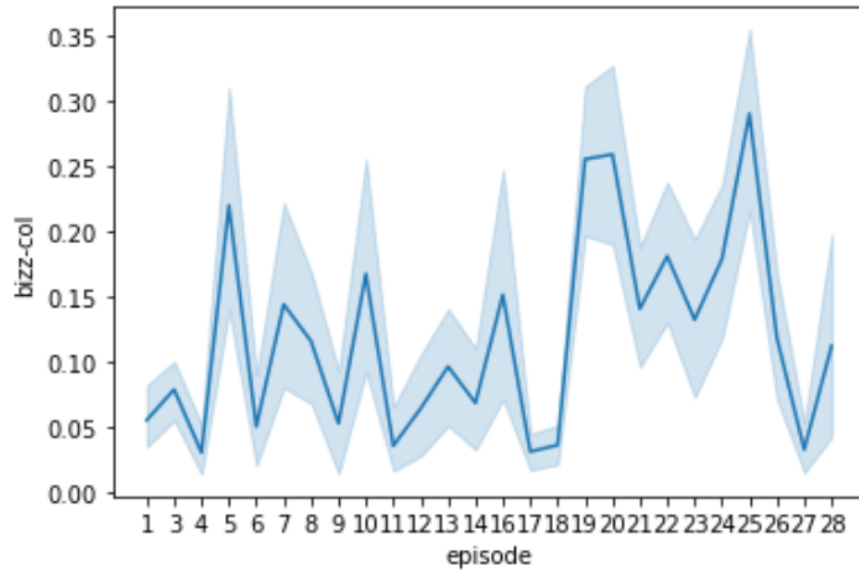


Figure 12: Changes in the “Business” topic over season 5

In season 6, Dunder Mifflin goes insolvent and is taken over by Sabre.

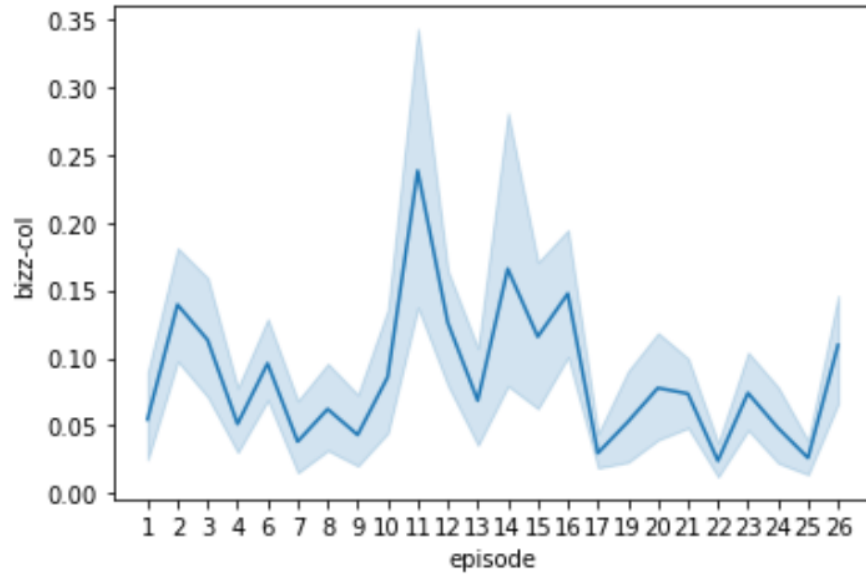


Figure 13: Changes in the “Business” topic over season 6

Season 7, ends with Michael leaves the show and a new regional manager, Deangelo is appointed, however soon the role goes to Dwight Schrute for an interim period while he and Jim find a new person to fill the role.

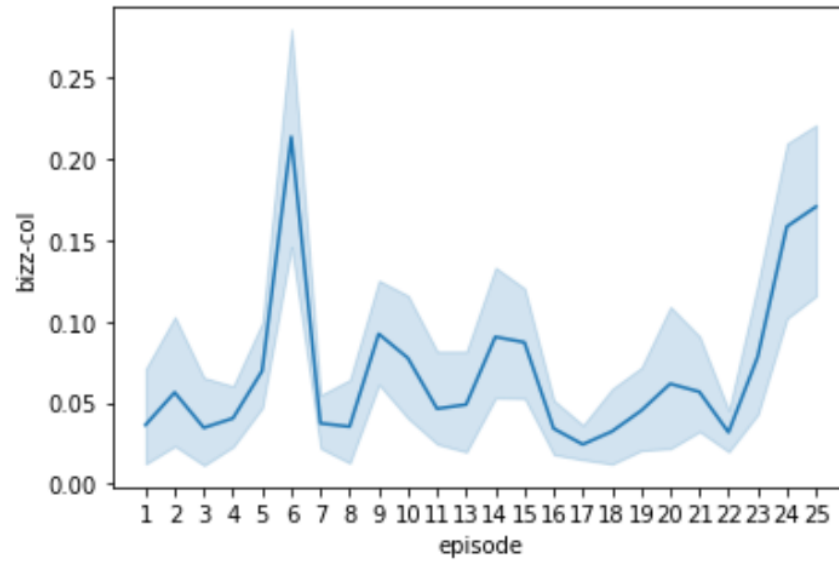


Figure 14: Changes in the “Business” topic over season 7

Season 8, starts off with robert californiana (CEO of Dunder Mifflin/Sabre) demanding that the branch double its sales. It ends with Robert californiana shutting down the Binghamton branch

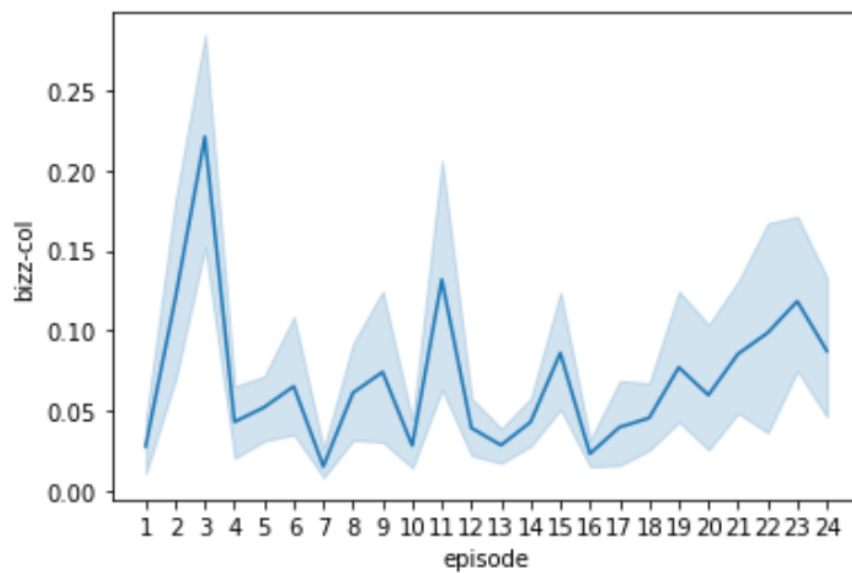


Figure 15: Changes in the “Business” topic over season 8

Season 9 Dwight tries to sell paper to jan levinson, Jim and Darryl start working in a start-up and Jim and Dwight hold the tryouts for Assistant to the Assistant to the Regional Manager.

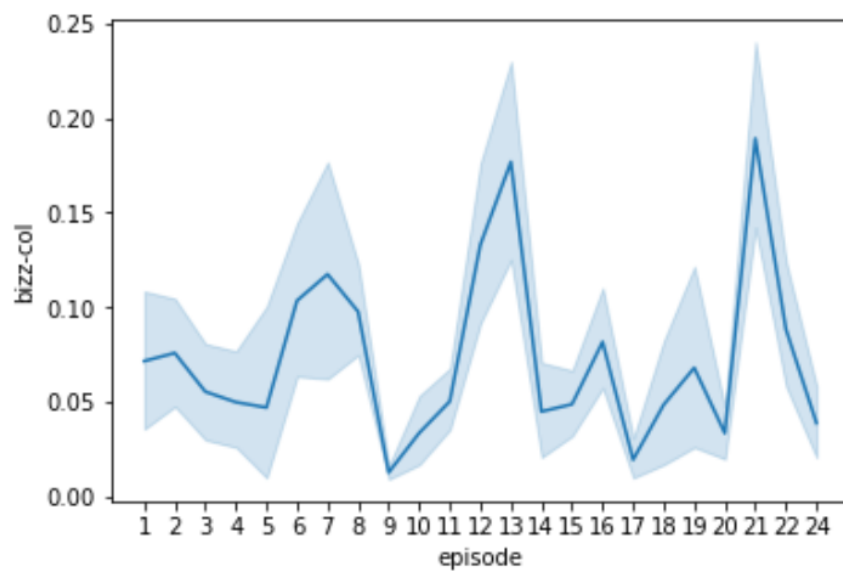


Figure 16: Changes in the “Business” topic over season 9

Appendix D

SPSS Results

/STATISTICS=MEAN STDDEV VARIANCE RANGE MIN MAX KURTOSIS SKEWNESS
/SORT=MEAN (D).

Descriptives

[DataSet2] X:\My Desktop\topic\corr25updated.sav

Descriptive Statistics					
	N Statistic	Range Statistic	Minimum Statistic	Maximum Statistic	Mean Statistic
nonbizzcol	1838	,4920437322	,5050518212	,9970955534	,9144105959
fillerwords	1838	,6974957212	,1940316060	,8915273273	,5633294792
mainroom	1838	,4680037235	,0048650502	,4728687737	,1096997335
bizzcol	1838	,4920437322	,0029044466	,4949481788	,0855894041
business	1838	,3909762285	,0008314625	,3918076911	,0330380508
aftermike	1838	,3370936508	,0006316783	,3377253292	,0254189327
higherups	1838	,4809282652	,0004432602	,4813715254	,0187342841
moneylottery	1838	,3955671079	,0005621270	,3961292349	,0174079441
dwrightaspirations	1838	,3346631096	,0003608473	,3350239569	,0164091251
mikejan	1838	,3755396054	,0004522348	,3759918402	,0154201570
sportsbasketball	1838	,5589276693	,0003633523	,5592910216	,0153126075
babies	1838	,4048972812	,0002981297	,4051954108	,0146764743
christmas	1838	,4258496369	,0002719217	,4261215586	,0144858857
accountantspam	1838	,4010002055	,0002746646	,4012748702	,0132696476
meredith	1838	,5335621079	,0003815101	,5339436180	,0129713752
Holly	1838	,3273246793	,0002640722	,3275887514	,0126629801
dwrightfarm	1838	,3610775685	,0002763626	,3613539311	,0126298899
y	1838	,4066360275	,0002194095	,4068554370	,0113847932
women	1838	,4586668375	,0002502369	,4589170744	,0113817148
Music	1838	,3481837056	,0002052261	,3483889318	,0113261676
Andrew	1838	,3718671083	,0002213183	,3720884267	,0110144985
phyllisvancecruise	1838	,4557077858	,0002006750	,4559084608	,0108774674
z	1838	,4044719610	,0002596968	,4047316578	,0107535910
drugs	1838	,3829527975	,0001942735	,3831470710	,0102880238
x	1838	,4119936596	,0001895274	,4121831871	,0101417445
mikesfilm	1838	,4405293296	,0002216976	,4407510272	,0088778364
racediscussions	1838	,3806452566	,0001465856	,3807918421	,0084875960
Valid N (listwise)	1838				

Descriptive Statistics

	Std. Deviation	Variance	Skewness		Kurtosis	
	Statistic	Statistic	Statistic	Std. Error	Statistic	Std. Error
nonbizzcol	,0867069891	,008	-1,556	,057	2,399	,114
fillerwords	,0991595772	,010	,072	,057	,084	,114
mainroom	,0779410901	,006	1,150	,057	1,544	,114
bizzcol	,0867069891	,008	1,556	,057	2,399	,114
business	,0512729295	,003	2,784	,057	9,931	,114
aftermike	,0455364133	,002	2,890	,057	9,490	,114
higherups	,0461086550	,002	4,404	,057	24,698	,114
moneylottery	,0409311059	,002	4,505	,057	26,841	,114
dwightaspirations	,0400391595	,002	3,983	,057	19,073	,114
mikejan	,0399553497	,002	4,221	,057	21,339	,114
sportsbasketball	,0437457871	,002	5,244	,057	35,953	,114
babies	,0430770807	,002	4,706	,057	25,718	,114
christmas	,0449128353	,002	4,839	,057	26,585	,114
accountantspam	,0372997456	,001	4,596	,057	26,205	,114
meredith	,0381959239	,001	5,407	,057	39,902	,114
Holly	,0371410519	,001	4,605	,057	24,320	,114
dwightfarm	,0371636340	,001	4,981	,057	29,604	,114
y	,0388127646	,002	5,286	,057	31,778	,114
women	,0345617010	,001	5,440	,057	39,936	,114
Music	,0386976534	,001	5,116	,057	29,109	,114
Andrew	,0363756202	,001	5,406	,057	34,684	,114
phyllisvancecruise	,0383844304	,001	5,572	,057	36,720	,114
z	,0368812732	,001	6,227	,057	47,252	,114
drugs	,0364853027	,001	5,558	,057	35,524	,114
x	,0373639433	,001	5,764	,057	38,660	,114
mikesfilm	,0382312201	,001	7,078	,057	57,622	,114
racediscussions	,0348384922	,001	6,230	,057	44,532	,114
Valid N (listwise)						

```

RECODE season ('s1'=1) ('s2'=2) ('s3'=3) ('s4'=4) ('s5'=5) ('s6'=6) ('s7'=7)
) ('s8'=8) ('s9'=9) INTO
    Numseason.
VARIABLE LABELS Numseason 'NumSEasno'.
EXECUTE.
CORRELATIONS
    /VARIABLES=Numseason bizzcol

```

```

/PRINT=TWOTAIL NOSIG
/STATISTICS DESCRIPTIVES
/MISSING=PAIRWISE.

```

Correlations

Descriptive Statistics

	Mean	Std. Deviation	N
NumSEasno	5,5473	2,34380	1838
bizzcol	,0855894041	,0867069891	1838

Correlations

		NumSEasno	bizzcol
NumSEasno	Pearson Correlation	1	-,090 **
	Sig. (2-tailed)		,000
	N	1838	1838
bizzcol	Pearson Correlation	-,090 **	1
	Sig. (2-tailed)	,000	
	N	1838	1838

** . Correlation is significant at the 0.01 level (2-tailed).

```

NONPAR CORR
/VARIABLES=Numseason bizzcol
/PRINT=BOTH TWOTAIL NOSIG
/MISSING=PAIRWISE.

```

Nonparametric Correlations

Correlations

		NumSEasno	bizzcol
Kendall's tau_b	NumSEasno	Correlation Coefficient	1,000
		Sig. (2-tailed)	.
		N	1838
	bizzcol	Correlation Coefficient	-,064**
		Sig. (2-tailed)	,000
		N	1838
Spearman's rho	NumSEasno	Correlation Coefficient	1,000
		Sig. (2-tailed)	.
		N	1838
	bizzcol	Correlation Coefficient	-,092**
		Sig. (2-tailed)	,000
		N	1838

** . Correlation is significant at the 0.01 level (2-tailed).

REGRESSION

```

/DESCRIPTIVES MEAN STDDEV CORR SIG N
/MISSING LISTWISE
/STATISTICS COEFF OUTS BCOV R ANOVA
/CRITERIA=PIN(.05) POUT(.10)
/NOORIGIN
/DEPENDENT bizzcol
/METHOD=ENTER Numseason
/SCATTERPLOT=(*ZRESID ,*ZPRED)
/RESIDUALS HISTOGRAM(ZRESID) NORMPROB(ZRESID) .

```

Regression

Descriptive Statistics

	Mean	Std. Deviation	N
bizzcol	,0855894041	,0867069891	1838
NumSEasno	5,5473	2,34380	1838

Appendix E
300 Topics

Index	Weight	Keys
0	0.01614	foot sensei black belt burned grill aspirin george foreman concussion sempai duties belts billy karate ira cherry cast injury afraid
1	0.13594	room conference meeting they're enters exits runs sees back hasn't men's voice uncomfortable wall television bathroom surprised balls entering burned
2	0.01404	aunt cupcake cupcakes farm shirley years soil hose fannie jeb nights funeral management gangnam recall beaks amends shirley's thousands chewing
3	0.01608	hot family swank prince hillary lips sign seduce condoms wire debate means ihop guests dropping tow wires actress attractive tears
4	0.02325	james tattoo world snap recorder president upper billion goodbyes repeat shaped invest pyramid jump vacation booster obese receipt triangle lebron
5	0.00611	star space chet grinch danish bundle basement montgomery fundle seesaw recess thick subway barks dust dumpster read trudy lair hookup
6	0.02028	cornell broccoli dressed song rob champ boner halloween faith treble pumpkin capella crazy group mash duh signature breaker kiss sweatshirt
7	0.01071	beans garbage honking dallas telescope pesto yea interesting mom candle kosher legumes colorado tack booby pdas bottles leap traded album
8	0.01366	fish pond koi tank flash toy caught dive surrounded mmm flounder income kick hides observation carp cocoa rained outran consumer
9	0.01106	pill police officer labor goodness anxiety plenty neighborhood dash bermuda dined tootenbacher schruted wolf dumatril kit licensed bro panic blogger
10	0.02963	line yell downstairs plan mimicking eleven bill toby gates limited alcohol humans p.m children separately success rattle district foundation powder
11	0.01976	surprise health plan care knock busy benefits workspace memo dental charge diseases write covered insurance picking lion uterus vision improve
12	0.0093	a-wimowheh dentist apology karen watermark bucks brown debbie unfortunate building cartoon thought high-school allen tragic wednesday a-wi-imbube 0000-00-0000-000-00-0000-00-000-000 spot-check doubletime
13	0.08404	watch dancing dance fun hate pretty music roll whoo beer rock mmm- hmm play clap mocking boys crew rips exit feeling
14	0.06027	bed trip hotel morning kissing breakfast sleep van rooms smell presentation class check gross sheets beeps sue ahhhh pocket sucked
15	0.01019	spanish gotta speaking mi-chael hola cleaning dias buenos temporary speak gender worker bike industries stark senior como manuel bueno ignores
16	0.10406	party planning committee turn important girlfriend parties tonight starting starts invited christmas food start celebrate invite breaks throw taste rock

Index	Weight	Keys
0	0.01614	foot sensei black belt burned grill aspirin george foreman concussion sempai duties belts billy karate ira cherry cast injury afraid
17	0.04724	baby hospital she's car minutes baby's babies midnight astrid birth stroller hold feast he'd mm-hmm daddy nipples pregnancy nipple contraction
18	0.02646	box suck juice orange toast erin open treasure making rips put peace tosses enter opened cube animal creature complex scissors
19	0.01846	carpet smell cash threatening stories matching fur allergy branches caller receiving google ruin fake knee-capping crisp conduct icky progress letter
20	0.02255	store fireworks dorky fence rich sperm rights bang fifty chain originals lever joke's pieces removes tune sharply terry screeching afterbirth
21	0.05708	birthday cake happy party meredith alliance theme surprise downsizing mmm streamers box creed's cakes grandmother kelly's cancer papers balloons meredith's
22	0.02742	creed fire angry loyalty fired firing hear neck increase devon facing bluh creed's imitates lies closets mills wrapped punish solved
23	0.02215	jan dinner babe friends italian uh-huh beer crying wished hunter plasma candles wine she'll neon charges workspace upstairs hunter's couples
24	0.02554	packer todd computer holly desk he's walking reception annex ants banged uhm suddenly funnier jerk humping africa tube interrupts freaking
25	0.24878	paper business company clients we're sale sell client sales question answer customer offer service didn't salesman small free questions prices
26	0.02655	dirt password bill shut ohhh grave ball tosses closest electricity squash negative dug romances reasonable enter mom sidecar here[/b chef
27	0.05665	computer screen corner private cuts louder relax lower blown skinny personal plane cousins survivor rain lick pumps torture chief sleeve
28	0.01402	love hoo tacos eleven coal interesting fat taco lump title awkwardly canned fans lonely kismet bella antz heart's disqualified release
29	0.05128	women woman black men bathroom women's allowed set hanging society girls remember dolls goal compared situations workplace likes vodka web
30	0.01103	dot cathy crotch aah dots waffle scatting buttons bedbug attraction i's honorable increased webmd vero thud lurch chemicals necklace puffing
31	0.02795	plan dogs leaves decision mail spoke pan sugar shots capable responsible massage pick direct prestige proposal reliable eastern rid sockee
32	0.01108	butt frank butts mural thermos wash draw fee fault stan-ley stud soak push-ups october drawing push-up vengeful son's pitchfork dishes
33	0.03664	white water table forget pages bathroom young account tom quote molly where's bap happier clark coffee hunter customers vermont gossip

Index	Weight	Keys
0	0.01614	foot sensei black belt burned grill aspirin george foreman concussion sempai duties belts billy karate ira cherry cast injury afraid
34	0.01645	jessica laughs gift beanie bait gloves twins mental water swings consequences asleep jess itchy jessica's bonuses equals magnificent nap magicians
35	0.02362	sabre printers gabe press tallahassee toys site proud story printer reasons mess saber liquid sob-ray daycare officially otter sabre's slater
36	0.10868	hand raises raise hands office shake money begins accounting pencil joins jail policy people's thinks fourth ridiculous attitude department raising
37	0.03044	reports report expense woo bean starts days beans percent football hoo storm cracked leans stopwatch quarter blech terminator bored concrete
38	0.01962	wine bottle core e-mails brother sensitive deleted set records collection spell coats pants helps pilates gateway elbows phyllis's cece medical
39	0.01693	summer keys drinking bother affected drag shots winter moron contact foreman puke side popsicles scoliosis tick must've ace cola mick
40	0.00231	pum c'mon parum whassup rum singing asian basket mightiest hos bros rebound hooters score allergy drumming pump pervasive velcro tear- away
41	0.07205	job interview karen corporate smiles qualified record totally receive insist longer interviewing smiling shows strong haircut law resume quietly hadn't
42	0.37167	michael don't scott talk company office talking boss corporate idiot part employees yep meeting told hands expect low understand upset
43	0.06682	toby toby's clip flenderson annex hmmm resources human makes sad flying stuff hard montage photos waste rep awhile generally framed
44	0.04011	team soccer list teams dream memory vikram olympics trade bowling badly unison alley shotgun dunder-mifflin employee give weirdly margaret a-team
45	0.30978	i'm gonna give hold talking i've darryl break kill personal hear eyes back buy holds whoa ear whispers honey control
46	0.01613	points blanket nap pregnant brownies calendar maternity walnuts donald shake trump jam arts homemade eeee pool star herrow trek memos
47	0.06816	number money win won large heh contest art reference winner male learned highest older wanted parts organization irrelevant boss screwing
48	0.09934	manager assistant regional dwight job position offer branch search official schrute resume leadership accept jordan title earned committee manager's manage
49	0.01459	depression roof depressed click modern fancy baler castle drew jump terribly suicide bouncy trampoline bounce stress strange facts science quilt
50	0.10284	put jim cover nose yelling he'd transfer wake charge car breathe loves surprise it'd till super dark writes revealing double

Index	Weight	Keys
0	0.01614	foot sensei black belt burned grill aspirin george foreman concussion sempai duties belts billy karate ira cherry cast injury afraid
51	0.81319	michael office back walks jim lot michael's takes turns alright door starts camera desk room leave walk car walking people
52	0.04332	machine bird box vending died dead karen pregnant wanna chips fly laying larry machines frozen crying shocked die truck grief
53	0.08892	read book reading number i've copy written ooh listen risk magazine realize blows red war interesting common immediately carefully green
54	0.03356	store nellie sabre florida poison president special winter project bennett pin tallahassee vice launch phone attacking bertram enjoying projects stores
55	0.02599	bob vance refrigeration shred albert tony bow mrs lady grade gardner feminine dancer defense documents jackass bynes bowled giggle whoa- oh-oh-oh
56	0.08718	dunder mifflin company paper scranton pick comedy environment local slash mifflin's operation faces snack stress chains appointment person's businesses groan
57	0.038	wedding married mom beautiful pregnant standing niagara bride excited toaster reservation weddings dress isabel scrotum japanese bridesmaid mema veil wife
58	0.09982	darryl warehouse let's cool workers finger val upstairs darryl's mike truck background works gotta grabbing noticing forklift madge dangerous downstairs
59	0.05845	movie favorite candy hour food film movies black crying fancy precious mose air gang else's ciao age faster sitting explaining
60	0.01422	franklin stripper ben redhead jakey elizabeth strippers tide invented bachelor squarepants blonde tats nocta prima referred founding male reading breaks
61	0.05701	david wallace fired branch calls co-manager days wallace's tax pursue taking visit speakerphone booze supplies stephanie buying announcements steel absence
62	0.009	prison martin black convict mike trust outdoors gruel conclusions latin fort arrested completely paaam teasing bandanna rec high-maintenance projection flags
63	0.11437	man ladies points gentlemen clapping nice present nah meet glass club cheering introduce women big open wall guest branch unbelievable
64	0.07711	voice it's whispering laughing normal man deep pros dress regular cons stall high-pitched mommy creepy stand killed hint pack let's
65	0.05937	baby shh cute voice cece tiny sweetie honey hungry adorable loud mama philip drum deposit premature worms husband's firing chubby
66	0.00812	disco cafe place lakes haunted onions walls afraid funk espresso wrench lei fourth-biggest apps angels downstairs casual dance relevant allowed
67	0.03598	ice cream story sad glass bowl expensive girl's butter trapped irresponsible vanilla national dream skating sliding eagles chokes jewelry olives

Index	Weight	Keys
0	0.01614	foot sensei black belt burned grill aspirin george foreman concussion sempai duties belts billy karate ira cherry cast injury afraid
68	0.00435	bell einsteins rings correct aesop's riddle medal heading whoo riboflavin stu jib queerenstein foibles trivia tribute wrestle dated shalom american
69	0.09028	years months ago couple weeks long management relationship made uh- huh hours messages ma'am reminds dressed beauty anger boat lay angela
70	0.01282	note missed rica costa tim greet obnoxious haul beaches quarry ouu inappropriate jar mess puff yoy quilled jellybeans stereo pristine
71	0.01109	mallard mom candy wooden frank duck rum voice puerto listening beans brought rico storms break persona fedora sakes recording goofy
72	0.01437	picture princess feels learn genitalia queen ability doodle unbelievable unplanned blocks grossed herpes station column overdramatically say- ber settling dorky express
73	0.01841	thinking pay holiday aye alert leader soap dock series nifty eighteen cecelia scraping dub fart job face operas accustomed two[/b
74	0.02348	mad fear act gum deal south rat wrestle snakes attack north establish hoped react wet organic brian doo-dah desirable artists
75	0.01133	file win poster style duh win/win drawer conflict streets complaint babies folders win/win/win lose/lose compromise brainstorm t-shirt destroys comedic taste
76	0.00609	dollars batter penny bruce blake item yoga auction springsteen ticket hug huey bid cleaning tickets squeaks scored sorority lewis spring
77	0.01544	give charity aids band donate drums bratton scrantoncity comic oats gambling rock relief gymnasts flicka dinkin aid flush bryant homeless
78	0.08432	minutes ten drive hour thirty write miles twenty walk wrote sheet half reason foot interesting forty shipping drove places paying
79	0.03919	pen attention cap task gotcha error commission naked s*x tapping annex corporate grabbed penises tactic locker caffeine champagne training nudity
80	0.02444	closing papers throw bedroom gold medal condo estate rent silver property master flonkerton ceilings ceremonies yogurt incidentally buildings medals mortgage
81	0.05776	night married drama sleep weekend doo powerpoint wasted raw rough focus queen dreaming shower drunk nights clever quitting squeeze congrats
82	0.00811	katy ride coffee purses sharp purse drug promise espresso starbucks breath rules flavor recreate inferior mimicing origins grouch straw henhouse
83	0.01871	duty clean pill lawyer jury chill management record cece operations bicycle confirm incredible needed turn o'malley package trouble laugh mimes
84	0.01397	die hard competitive nate nest worker john blowing he'll couldn't captivating baseball german corrupted hornet's rifle laughter phrase davis eee

Index	Weight	Keys
0	0.01614	foot sensei black belt burned grill aspirin george foreman concussion sempai duties belts billy karate ira cherry cast injury afraid
85	0.03539	gun kidding boom acting shooting guns shot shoots shoot scene actor bull pointing closer loud tranquilizer ooo accident age detective
86	0.01312	card noticed schofield rolodex apples traitor b*st*rd truce robbed hadn't traffic nyuk parm mercy vous war sounding dude meatball arrange
87	0.009	umm jones families w.b sweet write spaces construction park cress wendy's red-vining jolly conversation exercise agency photographer shorn't wearer feisty
88	0.04168	throat clears motions speaking female thoughts hide heavy bushes forehead removes seeds role exasperated coughing chuckle rich require meal unhappy
89	0.01575	wheel alan spin chore created spinning guh program golf slip incentive gestures wife's door pink mets bushes chores shoulder sonogram
90	0.00964	herpes cold disease sore mustache doctor sea men's sexually forty cancer stations transmitted tested romanticize notify boredom boost advice stds
91	0.05086	hot cold sense dead force attractive screw incredibly environment dangerous giggles presence hostile powerful handle underneath flirting yawns financial steps
92	0.00871	urgent bubble wrap shave shredder collapses magazines shred rap kareem grenade sessions boulder da-das powwows shank rinsing insecticidal shaving july
93	0.00519	cornell applicant interviewer league cliché hearing mental application maine history mermaid dominant affiliation result contrary sub-par cornell's ivy pronounced evaluating
94	0.02174	helene grandma jumping ghost mother inch happy shoulder wonderful police dammit figures biz completed triathlon snowboarding rose teachers scrapbook caprese
95	0.02525	green form apology yellow would've secret apologize forgive accept apologizing authority discipline profit earlier dozen lost suspension suspend nearby color
96	0.00583	bowl impish mayo gotta belsnickel buddy bowls upstairs judge stick admirable mouse trap cheer set commish chiklis jars shield aaaaaaaa
97	1.566	i'm don't it's you're good gonna back hey make fine put i'll work stuff place feel leave life guess thing
98	0.21506	andy erin andy's bernard tuna crazy andrew gabe erin's ten interesting blue total pop technically hug grabs basically younger mrs
99	0.01559	documentary cappella question crying wanna airing prank years doc pbs guten child promo panel ordinary symbol shown accounts filmed viral
100	0.03402	text problems florida pack wanna moms holds essential golf chain kathy marks links clubs texted cutting chose weak operation bring
101	0.00607	weirdo shower weirdos bom thang x-men loadenstein señor doggy comic ruin spent window whip groin preacher nate busts vick stir

Index	Weight	Keys
0	0.01614	foot sensei black belt burned grill aspirin george foreman concussion sempai duties belts billy karate ira cherry cast injury afraid
102	0.01642	kids children sasha mmhmm mister abby nick poop uhm computer whistle mom jake plot nazi train thumbs book glares melissa
103	0.00755	parkour recyclops trash rumor perks ladle bin recycling earth moron refrigerator dumpster films interrupting unison approaching polluticorn fictional articulate fa-la-la-la-la-la-la-la
104	0.01199	god luke won't nephew push corner dammit setup article pee laser buttons genes treatment whoo twitter spanking bladder nepotism infection
105	0.02639	contract contact secret law catch live emergency information priority item vietnam chillax nothin palm join publicly singles essentially hotel calories
106	0.01815	love fool pretzel line productive time seed productivity jello squeaky soft pretzels sales carrots koselli challenge proven risky walk battering
107	0.03532	fire started honest it'd watched burning quickly burn test mercy slide case frankly panic pita destiny fires battle teacher lit
108	0.04523	philly pete mural children paint building cute painting sports cece regular crying warehouse brian athlead darryl partners painted documentary aaah
109	0.09943	head hands shakes nods heard sick top box chest turned caught walks agree sound usual fill jerk bought jo's bra
110	0.00901	losers rubbing loser neck bear winners salami waving zoom urban field t.m.i world's mama desert reinforcement margarita rubs necking largest
111	0.08995	wear wearing shoes shirt clothes dress pants man suit guys brought memo naked shouldn't size outfit pair oscar's shoe tie
112	0.01672	state blues bitch grow monday forest sebring sold laundry exhales visitors trees episode varsity ebay pet wai grass cross exception
113	0.07286	angela camera senator oscar angela's s*x affair person whispering sleeping pans lipton secret mountain flower tickets problems dammit murdered smile
114	0.09415	dollars hundred thousand ten dollar million money prize twenty worth win fifty fifteen percent meetings laughter offered quarter final standard
115	0.02546	fax huge sir creative check send avenue cook til eddie nerd pro daycare confirmation design chart sue creativity scoop argue
116	0.01759	charles classy rundown miner bagels responsibilities fifteen anniversary loft sentence cop goal top figs fifteenth overtime cameraman shaped applause haddie
117	2.20137	don't i'm he's it's you're that's yeah people guy guys work let's talk call great lot can't there's we're time
118	0.05611	robert california wife code senator grabs ceo philadelphia florida wonderful hire homeless promotion simply needed casual continuing shown deep judge
119	0.06305	coffee cup boss mug tea drink world's family chose tie reason sausage pretend ended reads session iced noticed daily sip

Index	Weight	Keys
0	0.01614	foot sensei black belt burned grill aspirin george foreman concussion sempai duties belts billy karate ira cherry cast injury afraid
120	0.01021	resolution happy cartwheel year's board resolutions ring knights skating sticking angels liability rink skates guardian bears tapped mittens roller pair
121	0.01313	boxes warehouse lottery crew doin fantasy talkin fyi basement glenn victim shot won bout group floor america's grease bruce dean
122	0.01757	list smart shove notebook butt lift quit columbus planking c'mon dangerous drink lists names summer serving woke difference pie registered
123	0.03485	friends mother blood father mom date stomach pressure signed lip false bites sleeping wingman gushing item watches assumed rushed causing
124	0.009	harry rule lloyd potter binghamton nos york syracuse handbook monopoly nellie's c.e.o gate state locked ramish kimosabe jannerone newspapers fetish
125	0.03353	mose drink cousin bring drinks van sugar bleep bride freak fired gold dip ordered donuts caramel thirsty ohhhhhh bartender brother's
126	0.00932	respect reasons ohio deserve lifetime enormous monster attention dangerfield rodney neighborhood battery cape youngstown celery caroling niice borat mooshie innate
127	0.38537	she's yeah nice god pam woman girl dating date beautiful wow girlfriend hot kelly meet red friend boyfriend single engaged
128	0.017	mall justin steamtown phil golf blank scheme sheet draws trap bucks cart boring maguire booth tender sand stores privacy assigned
129	0.0156	war farms schrute who's battle lincoln gettysburg hat civil history bus head home mac abraham encouraging northern second-most books african-american
130	0.02448	scott month employee make dreams true schedule period specific promise gary tuition ideal scott's survival data anonymous spin elvis lives
131	0.05439	idea stupid letter difference idiot pick evil picks wonderful movie students stayed hats cooler operation approaching pain insult mary lessons
132	0.00754	warmer colder smell jealous hotter afraid steam protocol peru kardashians caterer carrying protest ream force coffee paraguay ruby detergent resent
133	0.01943	monkey beautiful clump suit spend difference remind warehouse inside stand philly desk spoil attended romp link stands exhausted ruse bang
134	0.26665	phone call hangs calling cell rings i'll bye news hold listen send button answers number message speakerphone answer client picks
135	0.02116	gym donna susan pay loudly undo paying stapler enjoys wakes membership whites workout joined advantage floor amok distinct month's baines
136	0.01021	brandon madness foster val bored confused gain april jamaican meatballs bananas border south march seagull f***ing braveheart cathy crashing shelf

Index	Weight	Keys
0	0.01614	foot sensei black belt burned grill aspirin george foreman concussion sempai duties belts billy karate ira cherry cast injury afraid
137	0.00931	beep concierge sushi york sweating faked gotcha scale beer nope origami geisha huntsman five-star winnipeg eager expose cast equivalent slap
138	0.01915	idea golden ticket diary ideas wonka willy lynn knock kgb blue tickets oil sighs ding cross net dong collar experiencing
139	0.01793	sign package heart roast dum attack die lilly sam quiz mom's regret parents heed uh-uh approval laughter hedded pow shouted
140	0.0105	danny cordray romeo juliet showtime famous helsing dock van handsome steal tat lined sting osprey dates privately pulling thin moaning
141	0.05247	ring excited pool stops engagement percent join yay map minute swim plastic carrying robert cups proposed bottles val clicking means
142	0.03628	horse toilet hank seat security clean stay front guard pitch stolen sore climbing year's profit coming groin urine elliot bumped
143	0.01043	baby whack shower stacy who's sarah england allergic kaya bzz chairs ahoy astird m&ms produce damnit bazooka whacking suburb itinerary
144	0.02932	give bullet screaming nana list call live economy history buttlicker investment hey-o ring died geniuses tent talent asap wrist barn
145	0.00462	googi steve thai nash tricks pad mole dan greens big unspeakable tests pheromones flattery surveillance sincere collard lowering convenience select
146	0.02049	dad stress mom fire mouth calm beeping stressed ram ohmmm speeds shouting smoke options procedure shoulder lower commission exercise cereal
147	0.3139	gonna back we're make there's wanna years haven't yep stay you've decision break problem terrible couple you'll board end he'll
148	0.06604	wait minute side hold center jump upset learn ended nailed rich march comments cultural haha jet sesame return lay maniacally
149	0.01225	rabies doctor meredith broken nurse pelvis hospital body tail disease palmer bitten curse winning meal cure awareness nickel sea religion
150	0.05656	phyllis sit bob lap trunk daryl pretending ideas wet lines wind mittens attention crosses text disappointing groom bouncing real gryffindor
151	0.39785	day back i'm today coming desk hey leaving miss morning rest tomorrow early scranton work lot pay kevin meredith remember
152	0.01432	truck courthouse drove ernesto empanadas existed remembers conceived blast burning rocked vibrating cover-up hamburger storm covered one-on-one empanada shrub accounting-wise
153	0.06353	cheers applause crowd claps fight applauds bears shape times speech gray angry crisis touches scattered flying recipe famous nicely stage
154	0.0158	years double poor selling richard's barber muffin mister checkin african camel watermelon roger rogers incentive heels kidding romantic comedies bembe

Index	Weight	Keys
0	0.01614	foot sensei black belt burned grill aspirin george foreman concussion sempai duties belts billy karate ira cherry cast injury afraid
155	0.01172	scarn michael movie goldenface threat puck level hockey president game stadium agent funky samuel jack hostages star wife cherokee mop
156	0.05888	stanley stanley's wife hudson works feet words grunts malone crossword cynthia dammit puzzle climb county fire checking stan campaign tablecloth
157	0.01107	deangelo deangelo's sexist circle stand vickers jordan wide state v*g supervisor rango drowsip sandwich southwest lobby executive gibberish exposed berth
158	0.00693	fail dah jerry screen apoplexy nelly reel chanting favor tape swearing pentagon bee bildenkinder landlord measuring conceive electromagnetic blooper hives
159	0.0123	insurance mafia grotti honeymoon mmhm calm living kill mob fart agent stayed announced fed antacid mobster amigos scare tmi overboard
160	0.02049	cards slaves good index salespeople family's fortune throws all-in bluffing packed laughed coughs angela's disabled mutters rate ancestors glare wealth
161	0.01053	brave flyer gump overnight forrest disability walkie-talkie stevie uncle confusing sigh pushups flights gal learning finishing hospital horrible barbie brightly
162	0.04919	glasses wearing hat black dressed removes tie noise mirror robe mmhmm flashes makeup rap ideas buzzer what're softly mechanic statement
163	0.01075	chuck self-defense attacked groin strike attacker block porcupine easy latest chad journal approved elbow attack hee flendermen rape defense du-du-du-du-dupee-do
164	0.00635	shopping retail jacks pillars topic consumer jumping habits cycle seasonal surgery slide presentation mail interesting slow anderson's menstrual cyclical seabiscuit
165	0.00637	click radon kit bin laden ant encourage inherited blinds threw shane disc evolution marv mythical hawks sportscaster donkey rod snapping
166	0.00786	holster perform puppet galactica belt battlestar dean casey slower ring behavior tupperware thrusts shrimp ceremonial limo banana months forms it'll
167	0.02534	cut tape goat jazz entering jacket woman's piano mystery taliban international morons insane pancakes approaches cough this[/b prettiest millionaires outfits
168	0.09133	good morning york city hurt scranton hours spend friendship page statement wake pops hooked they'd headed sending rest spirit property
169	0.08271	sales salesman thinking salesmen writing chair department news attention suck ground conversation wrong dumb perfectly calls read quarter post shopping
170	0.014	york design bluetooth graphic great beesley bugs ella artist fey tina bothers rockefeller philadelphia program bobble blockbuster shushes tiniest gorgeous

Index	Weight	Keys
0	0.01614	foot sensei black belt burned grill aspirin george foreman concussion sempai duties belts billy karate ira cherry cast injury afraid
171	0.01898	hate phillip kevin nellie snacks pack die nate airplane dying finals flash wonders bond apple business married rhythm shoves drawings
172	0.01167	strangler scranton george pitched howard popeye neck year snooping innocent prison marketing tough librarian scubb spinach freshman macgruber explosion began
173	0.13225	money buy year pay price run sell spend return table delivery cost buying count costs budget agree age extra pleased
174	0.01164	pony enabler cooper's radio spins lobster computron frazzled pacific ocean evidence great checker seafood carrying pocket ohhh everyday cookie space
175	0.03622	back gift lake clients basket monkey chocolate baskets turtles website cash set accepted exit gimme technology tiger committed packages peanut
176	0.12309	game play fun playing tonight rules games played bring dinner movie card husband marriage order trash notes win kick learning
177	0.01787	minority kelly executive donna program indian white training interested sale fashion colors kiss barrette flirt roberts apply julia clothes mint
178	0.01434	leads give dump king numbers staff holds lead break clue coughs hunt sabre scavenger required acorn undivided phew khan conspiracy
179	0.11494	oscar angela face gay oscar's kevin friend accountant quick forehead count child slaps martinez common cleaning mmm cries co-workers hugs
180	0.01755	butter peanut guarantee hunting copies sandwich country delivery drawings roads cow west ton human luncheon sculpture pancake disgusting cappella stickers
181	0.0393	holly holly's pretty woah e.t mmhmm flax nashua wrote imitating pda colorado h.r opinion accidentally butt antigravity propose jealous monsters
182	0.01054	pens suit son espresso clark chuckles store italian jump carpet stinky junior turd pricing beneath philly chuckling lazybones busybody unpack
183	0.01846	hero diversity rock race chris offensive honesty writing comments ignorance cards listening heroes focusing decker routine incident positive opera types
184	0.04163	tonight night good carol plans evening drink tickets casino food male practice improv winning hoping pressing poker spits kisses lose
185	0.00695	balloon kill sing toothbrush madhouse pops bay silenced johanna missing bonnie obtain worried assume rolling whistleblower yon matthew gummy reorder
186	0.00724	device mistakes accountability gabe doomsday strikes booster val email screaming doctor he-eyd-ed six-twenty milking frankenstein forwarded implemented skinned improvement speakers
187	0.02124	gay men knew drunk lesbian gay-dar homosexual faggie straight gays queer liking week surprised quizno's select significant cold bathhouse lethal

Index	Weight	Keys
0	0.01614	foot sensei black belt burned grill aspirin george foreman concussion sempai duties belts billy karate ira cherry cast injury afraid
188	0.01494	flashback baseball bum cheat sports cheating base coach cheated silly capable stage close nostrils beyonce silence groans beat sheldon cuckold
189	0.13579	eat lunch food eating chicken mouth sandwich restaurant cheese hungry mmm ate awful breakfast eats water meat shoot store fish
190	0.01486	scranton video electric city spot call idiot lazy orientation message check tasty sentence coughs beef covered control transam grilled italian
191	0.00522	croak flag hunger cost diabetes pride bullfrog nation alarm allegiance spot fantastic calculator republic wee-hoo victory consensus carried commissioned instance
192	0.02866	punch fight hit bam blow favor bagel fridge jacket pammy lunch plain pockets shoulders tit jet fiction worthy gently punches
193	0.0245	drugs urine drug volunteer testing illegal test permission narc sheriff's concert random lives judge crime coke deputy marijuana officers drawer
194	0.01662	issues public speaking failure brad pitt bernie's nonsense injuries travel injured saleswoman trail bonuses katie spreadsheets common amsterdam wallpaper plaque
195	0.31984	kevin phyllis angela big creed piece andy hands meredith kitchen stanley special kelly i'll pick throws table picture list sir
196	0.086	funny joke laugh laughing sexual jokes type hilarious laughter joking corporate hot what's psyched forward imitates gifts deal delivered tape
197	0.01196	diwali indian kelly carol culture offensive gorilla celebration hindu indians lydia cheerleader holiday alike temp toga shook crib alert ado
198	0.00521	bread robin guests bold flour yummy lap williams brrrrrrr drumming malaysian rogelio hispanics disappointment finicky ability owl nanoo final feathers
199	0.01134	toast garden walter halpert marmalade phillip goats proud toasts basil james grandfather strange keys broken bye boss mis mabel tricky
200	0.02549	daddy died doll belly exhales funeral princess worm fantasy scare sister's blows figured gosh unicorn grew squirrel daddy's clown diana
201	0.04747	dog hot dogs island winner nard holding passed slide mustard fresh lord bro refrigerator matters bachelor lazy declared chat recommend
202	0.00551	christmas belsnickel rib pig hog maw dutch pennsylvania german born nigh authentic swiss texts blows mini pete stomach piet zwarte
203	0.04362	christmas santa party tree merry year secret gift matt presents jesus hat gifts present dressed bonus claus parts wishes spirit
204	0.02709	chair copier chairs hmm german surplus mmhmm boom stand catalog coat page lemonade minister updating issue slowly broken pam's unh
205	0.01732	dundies award dundie year bathroom house deangelo speech awards nods tonight host won music beesley stage breadsticks volpies louie co- host

Index	Weight	Keys
0	0.01614	foot sensei black belt burned grill aspirin george foreman concussion sempai duties belts billy karate ira cherry cast injury afraid
206	0.03655	message voicemail tires mother vacation session tub yuck focused stuck go in proposing abandon slightly divorce terrace dreams names ugly roy
207	0.00492	aaaaaaaa laundry lamar scream boards odom sixth dorm crowning annoyed bluntly espn artest marion shawn georgia sharpie simulating laundromat potholes
208	0.67396	jim pam yeah hey dwight jim's god what's halpert hand dwight's sees bit pam's laugh ahh puts smiles information kisses
209	0.01693	boo meetings scared feedback raining spans wittle dragging communicate ghosts release avoiding pretends ninety-five rearview communities zach disturb swamp one[/b
210	0.01051	blah julie heart messages yakuza wink pigeons transpired muppet trained mouth carrey cardstock chopping lackawanna county flipped king cooper nard-man
211	0.05305	mom dad nope marry love table group weeks scenario cece approaches boss's coincidence giggling picked brother gas celebrate pee date
212	0.03535	video camera laptop higher chat fart prank watching triple youtube shows tan cellphone genius dance company's recital milkshake evidence relate
213	0.01406	milk breast pump unique breasts drummer note define pickles tearing began superstitious fault timing foment snoopy musician racist finishes medical
214	0.01105	hay sell wuphf king place money maze bales facebook mm-hmm ruff bale snitch investment screaming dunh-duh-na-dah poverty color hotties carrots
215	0.02173	gift ipod steal envelope paintball present shoe oven mitt teapot stolen freak opens bought yankee swap radio infections pour lessons
216	0.09973	jan michael branch scranton stamford josh head jan's karen michael's roy stuff closing condo words downsizing dunder-mifflin world cfo connecticut
217	0.02874	nellie tongue clicks american license magician complicated chosen fat uh-oh passing flat threw whiz hobby whiteboard pens driver's knot talla- nasty
218	0.00871	john relevant uh-huh audition sparrow wound crunch depp johnny stamos pet celebrity treats temporary craziest market purple body cut internally
219	0.00901	i.d cage complained flips redacted replacement gracious inch withdrew webcam cared hotline nutritious redact resolved matches seniority stanford unlocks digital
220	0.02153	show play todd fashion models sweeney role pipes clink theater cast seats booed production balloons fell rumor thomas plumber audition
221	0.00725	microphone che excuse convention tinkerbelle steady grandkids cement mic earn lose brink delete enormous raised set supposed lauderdale grips pathetic-ville
222	0.1361	we're gonna fun weekend idea lunch ideas laughing thinking corporate teeth tonight moon screw plans hilarious shh level adults credit

Index	Weight	Keys
0	0.01614	foot sensei black belt burned grill aspirin george foreman concussion sempai duties belts billy karate ira cherry cast injury afraid
223	0.04451	dead knife rolls soup ski killer disaster animal neck goose relax teeth prank eyes locked imagination wallet duct leg mask
224	0.00842	esther tractor clark auger banjo father darth esther's corn fours ruger satisfaction ipod dvd she'll aaagh armenia ambassador turkish shaft
225	0.01988	business school ten bitch teach agenda coughing scared toaster instance oven powell item clouds yoda advice alarm panic jackie plaques
226	0.00579	red light caw icicle practice dothraki teaching snapped language headshots quarter impotence vomiting a-b-c wheelchair daraas thrones series headline perspective
227	0.0155	house bought blame juggling routine clown pretend balls snip surveillance garage parent's possibly mom met crew square disguise dated bowling
228	0.03168	farm beet beets times schrute farmer calling bankruptcy mose game farms co-manager bites we'll lite acre safe chad debt wireless
229	0.04344	card salad credit magic sir drake potato moustache bread taking volunteer cards ketchup rachel sauce barbeque heh picked charity true
230	0.59424	hey yeah good great what's cool guys man huh awesome sounds ryan son bag pretty buddy check wow how's weren't
231	0.03206	dream king american united secrets bangs states sitting america leading certificate robot crime martin court mexico real native parents indian
232	0.04663	kelly ryan press kapoor kelly's ravi university washington read boyfriend opinion report salary charm pain professor treated meant mere cable
233	0.07535	ryan temp ryan's count howard start worth rules hair dunder-mifflin based pitch cool hottest agency cancelled printer ton parent proceed
234	0.0301	club move website machine infinity dare whispering mushrooms nooo shh sofa passion social sexual torn banging logo timing magnet futon
235	0.01107	closure names justine scotch splenda boobs chainsaw lecture nashua mall file julia lazy woof memorize mortgage circuit nard-dog yep juvie
236	0.01049	yum christian signal choo shrute yams county drive bop blossom jeans hayworth's compassion ship body's dar lackawanna mailman screenplay beginning
237	0.00957	eye pyramid bloggers presentation girls girl bloody port nook stood pyramids inspire eyeliner loam chuck appointments journey remains ex- wife lower
238	0.11907	car bye drive driving window goodbye drives pull woman quick hmm drop horn cab french bike wash human allowed lot
239	0.01617	boat kevin family sail owned sailing iris ceo shrute slaps bahamas walt radio chokes support bleep brothers rehab provider cared
240	0.01422	sick cruise invited camping booze s'mores up-dog crush wasn't january worn noon spring malfeasance likey wallenpaupack sealed retreat hypothetically wilderness

Index	Weight	Keys
0	0.01614	foot sensei black belt burned grill aspirin george foreman concussion sempai duties belts billy karate ira cherry cast injury afraid
241	0.02087	accent character british mama murder mate australian english savannah suspect bourbon weapons southern cockney declare speaking caleb voodoo accounting naughty
242	0.02079	bar jump tie manure billy twist hotel accent extreme hmmm shake problems yarn drivers actions haired brooklyn remote apricot atm
243	0.0428	roy raise toby complaint file mike folder write ago mumbling complaints who's fourteen employee deserve softly sudden saves lodge withdrawn
244	0.12327	air hits wall test throws hole high blood ground putting body ceiling hair slowly destroy nobody's animal doubt steps creed
245	0.02883	cat bad sprinkles race cats image horses sighs a.j freezer angela original gasps dear scan presentation infinite document meowing religious
246	0.00609	limitless mega-desk ooh patrick's xbox brother quad-desk dweedle foster pit sheep kilt dumb-ass reid russia anxious retreat visitor woo-hoo eighteen
247	0.00961	plane eye truth throws speak carla agent fern couple's chemical protocols esther acknowledge ahhh action handling eyeball acid rolling wisely
248	0.00811	rolf associate friends aah hire gabor doves gold graves amazed wintergreen earbuds trevor mozart arrangement national hopes bullcrap troy ahl
249	0.02805	pizza computer pizzas reams monitor fifty coupon sold policy ordered order party enemy pepperoni tip including alfredo oop sixty-three differently
250	0.0612	whoa bit video careful easy playing living pushes finger switched clothing guessing designed wild blows calm media step iron pulled
251	0.0134	dog flip vote smokey erotic misses halfway waiter tears robinson flippity oprah huh character oregon exceptional tracks jason blueberry district
252	0.02	valentine's day happy bye nervous card blood flowers ayyyy months reboot craig roses windows whew sound puts altoid band-aids greater
253	0.01666	smart code book desert smoke material rule movies island named books legally stat management greek mondays business intercourse davinci katy
254	0.02921	case wig snowball dressing strangler receipt woody boring questions jada trial snack snowballs quest jerry jury approval heaven dear possibility
255	0.07224	ball play team game ryan throw player playing basketball roy let's scores saturday misses volleyball hits woah throws court sets
256	0.01135	thursday friday mount bound outward leads tuesday donna earrings shell turtle poconos concert chinese shows heart-shaped diner doorbell pocono chang's
257	0.01247	hot street email ole living impossible inventory feelin shell conch collecting hit jamaica intercourse balloon mon grass luau metals montego

Index	Weight	Keys
0	0.01614	foot sensei black belt burned grill aspirin george foreman concussion sempai duties belts billy karate ira cherry cast injury afraid
258	0.02984	pete erin clark news nellie pause couple plop slack oink tom alice mall sarcastically cleaver nellie's audition rope comstock read
259	0.01257	utica karen egg team spoon record follow vol-de-mort twist poach finer badass peeing buckle blindfold bombs string carrying filled chanting
260	0.0149	buffalo picnic dun-der hooters shouts college speech tour dartmouth ham brushing fists boobs convention sketch dana worthy folding northeastern hut
261	0.01699	chocolate cookies chip candy pass oatmeal aloha mint yup represents amos factory stressful toppings fudge underground senior ice-cream canes henrietta
262	0.01051	cheese bond james fox oui dit putt rescue choking sailboat planets puppy challenging platter cart removing refusing just-in michal voila
263	0.00875	megan interns affair eric intern typing entering married facts somethin gossip lewinsky monica should've suspicious teri taboo spartacus loop teri's
264	0.01197	pie pies group popcorn microwave bus peach popped mimes harm problems fudgie cobbler hourglass rhubarb hatch emf adopt added whale
265	0.02093	christmas carol umm break cindy sandals excuse chef bike jamaica karen onion wonderland disappointed cord songs cia bums brownies fudge
266	0.01282	bus nope mexico cece church printer godfather parents young carla cece's vampire germs cabo dirt till america efficiently prayers corrientes
267	0.08054	singing song sings love break sing music goodbye playing starts guitar plays pain theme commercial hugs listening dwight hurts tune
268	0.02602	meredith lice head meredith's alcoholic palmer checking mayonnaise breakup stanley's supplier intervention alcohol scratch scalp shrieks lamb ins forming knob
269	0.29489	dwight god schrute stop face ready hand talk cut dwight's key give pants today listening middle killed gimme speed master
270	0.04115	relationship discuss relationships romantic deer skin uncomfortable meat sexy photo details offense giggling dates earth quickly dating kissed windows cider
271	0.04966	kevin cookie erin monster kevin's cookies kev lunch mom grabs secretary's nailed jack perform extension sweaty disturbed chalk band imitating
272	0.00811	holly ethics ethical bag agree pencils immunity discussion seminar coupons thief ideally exchange strongly collective supplies workplace unethical business delight
273	0.02876	sign forms soy steak pledge e-mail breaks notice signature sick chopsticks signed latte thirty-five mock strike outback north actions joint
274	0.01367	china building lights move america y'know subordinates zombie administrator cece analogy billions politics pull watering reply nineteen cheat motion secretly

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0	0.01614	foot sensei black belt burned grill aspirin george foreman concussion sempai duties belts billy karate ira cherry cast injury afraid
275	0.02733	jan performance s*x review relationship reviews ping levinson caught behavior diary disrespect ping-pong completely jamaica cuz pong ummm pattern players
276	0.07641	stop gas times station sake texting god's fake driver square duck spray pennsylvania bout pudding express smaller state til enters
277	0.03997	pounds fat weight lost lose stairs days news holly pound weigh medicine stanley's scale murmurs dart monster winning society martin
278	0.00872	keys reason hiding plants picnic billboard billboards ambulance confront barbecue defaced safest weekly cathartic entering plant botony brooks butt-mud consultant
279	0.01054	play pregnant isabel cathy helen levels advantage pool mike tibbets tambourine universal band mirren hoorah güiro objectively instruments local rule
280	0.03632	lying truth telling admit liar true broke lied administrator travel ladder lie believes sue catch hobbies resent crawling replacement ummm
281	0.01695	run option permission coolio sunday issue gentle problems elaborate lies bicycle planned partner offered waitress cooldown blowin elderly january double-tabbed
282	2.51403	don't it's i'm that's didn't can't man time you're dwight they're i've wait laughs thought give long kind thing god
283	0.01048	quiet limo enemy invited twirl finding crowd company's spool jealous dump rubbish hurls limousine she'd calves sends idiots cars tonsillectomy
284	0.11299	door open close elevator guy eyes closes hold middle knock doors closed point language freedom closet opens floor blinds community
285	0.01076	pretend nail discount restroom counter umbrella roulette stylist alyssa brian loneliness conflict trip date rack rick-a-dick-doo wary superfriend korean expert
286	0.01381	costume halloween party book coupon gabe scary dem costumes bones chain gaga starcraft kerrigan mummies vote brains people's consumer jamaican
287	0.02681	bat computers giant bite control apple check animal property woof tin animals e-mail kinds poop messed kidney ryan metaphor morgue
288	0.00638	obama related michelle doh nixon original lady wayne richard distant turns rut agenda foth barack grandfather john grudge bund charisma
289	0.01397	captain ship boat jack save furnace chanting limbo customer dunder- mifflin steer movie drunken leadership titanic king preservers gilligan motivational brenda
290	0.04205	gabe erin gabe's glee leaves wearing lewis heat chinese blub messed dough japan vegetables reverse command cord trivia french seahorse
291	0.244	alright let's we're guys fine good group erin girls water stanley agree girl bottle hugs drink found die phones lots

Index	Weight	Keys
0	0.01614	foot sensei black belt burned grill aspirin george foreman concussion sempai duties belts billy karate ira cherry cast injury afraid
292	0.00986	call union yah role shabooyah twelve tutorial essentially forming c-span today's yuh hazards exit kickoff striker mouthpiece dockworker's indestructible studies
293	0.01782	suggestion warning alright tom street read suggestions box occasionally formal constructive cruise saturday tickling elmo coat rights partay meeting inferring
294	0.01786	seminar mikanos word object movies ordered milk character whomever charming cow accent knot flake destroy killer won jlp wall-e streep
295	0.11426	school high class art college kids years history imagine row trip field miss grow books dream town could've fives million
296	1.92059	it's yeah good that's love great day time i'll people office thing pam nice big make doesn't today job wow
297	0.01745	heart boom stanley alive legs roasted stayin realistic breathing beats arms donor dummy sexy pills west toby check hockey honoring
298	0.01343	beach counseling bus talent recommendation coals mandatory circle directory underneath shipment coal act story agency flintstones alpha melt participating betty
299	0.05625	home bed natural scary turn thin rain hug smiling feels push bug dad bedroom toxic noon image butler blue vacation