

Analiza studije razumijevanja riječi

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Opis eksperimenta

Nad velikim brojem ispitanika proveden je eksperiment razumijevanja engleskog jezika. Ispitanicima su dana dva zadatka te su oba ponavljana više puta. Prvi zadatak (dalje: **A**) bavi se prepoznavanjem ispravne riječi, prilikom čega je ispitanik za zadani niz znakova morao odrediti radi li se o ispravnoj riječi engleskog jezika, a drugi zadatak (dalje: **B**) se bavi pravilnim izgovaranjem zadane riječi. Za svaku riječ i svakog ispitanika mjereno je vrijeme rješavanja svakog zadatka, te niz podataka o ispitaniku.

Ishodi eksperimenta

Cilj eksperimenta je naučiti kako mjerene veličine ispitanika utječu na vrijeme potrebno za rješavanje pojedinih zadataka. Na temelju tih podataka može se odgovoriti na neka zanimljiva pitanja poput: utječe li dob na brzinu rješavanja zadataka, kako na brzinu rješavanja utječe duljina zadane riječi, je li riječ kraća ukoliko se češće pojavljuje, itd.

Skup podataka

Za određivanje ishoda eksperimenta potreban nam je skup podataka eksperimenta. Programski jezik R sadrži skup podataka već provedenog eksperimenta te nam dopušta uključivanje tog skupa te analizu podataka. Podaci se nalaze u paketu `languageR`. Nakon instaliranja paketa, podaci se mogu učitati naredbom `require(languageR)` te dohvatiti s naredbom `data(english)`. Kompletno dohvaćanje i uključivanje podataka prikazano je kodom ispod.

```
require(languageR, quietly = TRUE)
data(english)
```

Podaci se sada mogu koristiti naredbom `english`, npr. deskriptivna statistika može se dobiti naredbom `summary(english)`, a pregled prvih par redova podataka može se pregledati naredbom `head(english)`.

Ishodi eksperimenta

Utjecaj dobi na brzinu rješavanja

Pitamo se utječe li dobna razlika između starijih i mlađih ispitanika na brzinu rješavanja zadataka? Upoređujući srednje vrijednosti logaritama vremena za rješavanje A i B zadataka mlađih i starijih ispitanika te gledajući dijagrame, možemo zaključiti da su mlađi u prosjeku brže rješavali oba zadatka. *t-testom* potvrđujemo naš zaključak.

```
young = english[english$AgeSubject == "young", ] # mlađi
old = english[english$AgeSubject == "old", ] # stari

# vrijeme potrebno mlađima za rješavanje prvog zadatka
RTlexdec_young = young[, "RTlexdec"]
```

```

# vrijeme potrebno starijima za rješavanje prvog zadatka
RTlexdec_old = old[, "RTlexdec"]

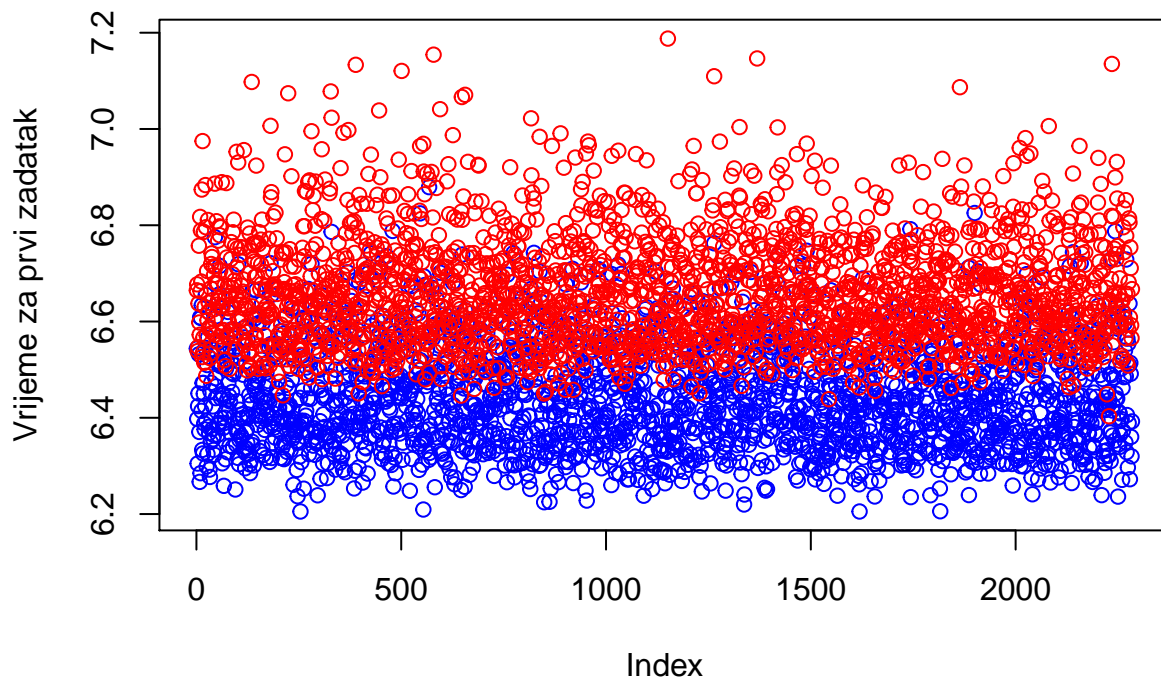
# vrijeme potrebno mlađima za rješavanje drugog zadatka
RTnaming_young = young[, "RTnaming"]

# vrijeme potrebno starijima za rješavanje drugog zadatka
RTnaming_old = old[, "RTnaming"]

plot(RTlexdec_young, col = 'blue',
     ylim = c(min(english$RTlexdec), max(english$RTlexdec)),
     ylab = "Vrijeme za prvi zadatak")

points(RTlexdec_old, col='red')

```

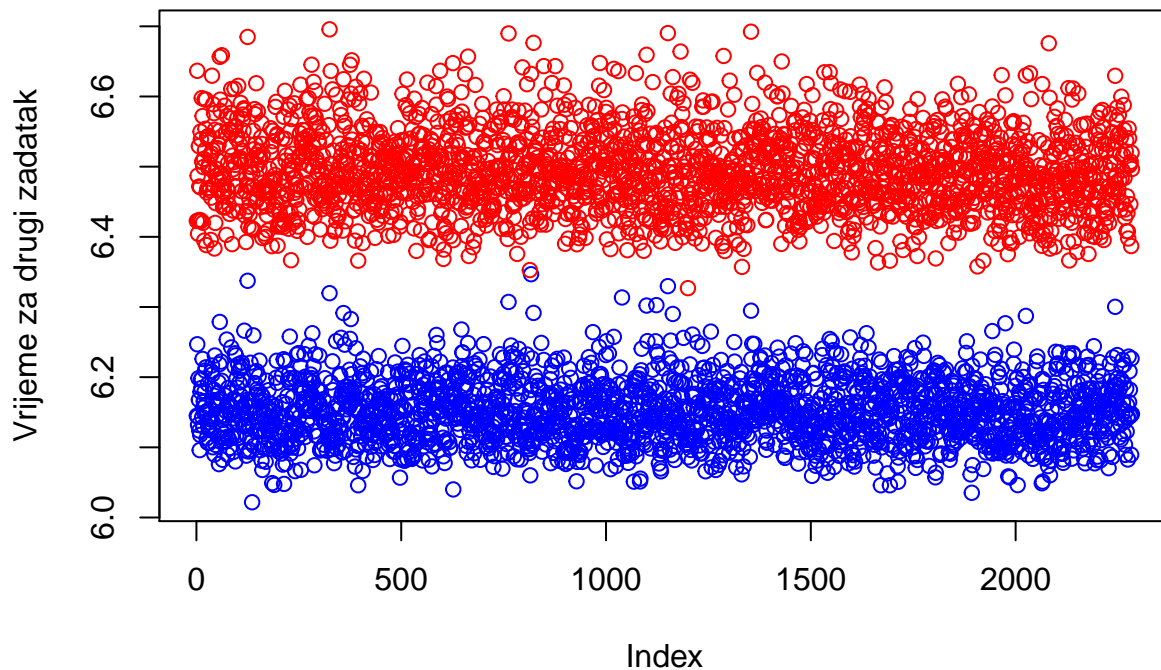


```

plot(RTnaming_young, col = 'blue',
     ylim = c(min(english$RTnaming), max(english$RTnaming)),
     ylab = "Vrijeme za drugi zadatak")

points(RTnaming_old, col='red')

```



```
# testiranje jednakosti varijance prije t-testa
var.test(RTlexdec_young, RTlexdec_old)
```

```
##
## F test to compare two variances
##
## data: RTlexdec_young and RTlexdec_old
## F = 0.84625, num df = 2283, denom df = 2283, p-value = 6.737e-05
## alternative hypothesis: true ratio of variances is not equal to 1
## 95 percent confidence interval:
## 0.7795831 0.9186270
## sample estimates:
## ratio of variances
## 0.8462542
```

```
t.test(RTlexdec_young, RTlexdec_old, alt = "less", var.equal = TRUE)
```

```
##
## Two Sample t-test
##
## data: RTlexdec_young and RTlexdec_old
## t = -67.468, df = 4566, p-value < 2.2e-16
## alternative hypothesis: true difference in means is less than 0
## 95 percent confidence interval:
## -Inf -0.2163149
## sample estimates:
## mean of x mean of y
```

```
## 6.439237 6.660958
```

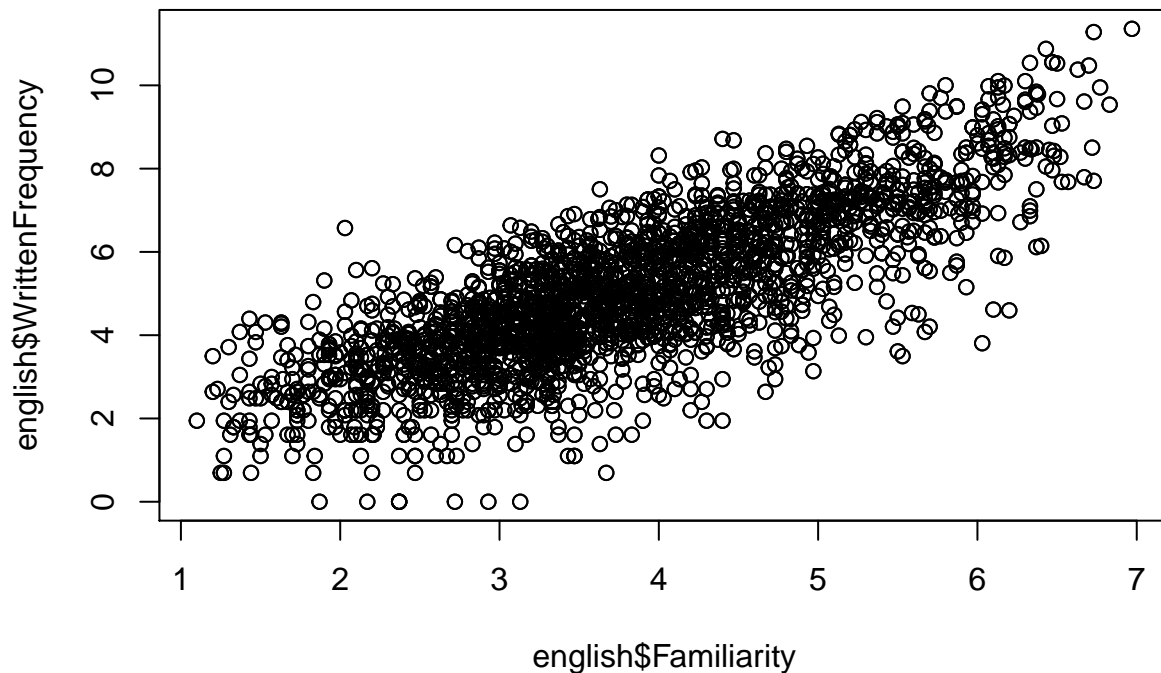
Prepoznatljivost riječi s obzirom na frekvenciju pojavljivanja

Zanima nas jesu li riječi koje se više pojavljuju prepoznatljivije? Računamo korelaciju između prepoznatljivosti riječi i njenog pojavljivanja u tekstovima. Dobivamo korelaciju ~ 0.8 , što nam potvrđuje da su te dvije stavke povezane, tj. riječi koje se više pojavljuju su prepoznatljivije. To također vidimo i iz dijagrama rasipanja.

```
cor(english$Familiarity, english$WrittenFrequency)
```

```
## [1] 0.7912556
```

```
plot(english$Familiarity, english$WrittenFrequency)
```



Utjecaj glasa prvog slova na prepoznatljivost riječi

Je li riječ koja počinje na samoglasnik u odnosu na suglasnik ljudima prepoznatljivija? Uzimamo skup riječi koje počinju sa samoglasnikom, te skup riječi koje počinju sa suglasnikom te računamo srednju vrijednost. Kod samoglasnika dobivamo srednju vrijednost 4.0, a kod suglasnika 3.79, što bi nas moglo dovesti do zaključka da riječi koje počinju sa samoglasnikom su prepoznatljivije. No testiranjem putem *t-testa* zaključujemo da ne postoji razlika između prepoznatljivosti riječi koje počinju samoglasnikom u odnosu na one koje počinju suglasnikom.

```
firstVowel = english[english$CV == "V",] # riječi koje počinju sa samoglasnikom  
firstConsonant = english[english$CV == "C",] # riječi koje počinju sa suglasnikom
```

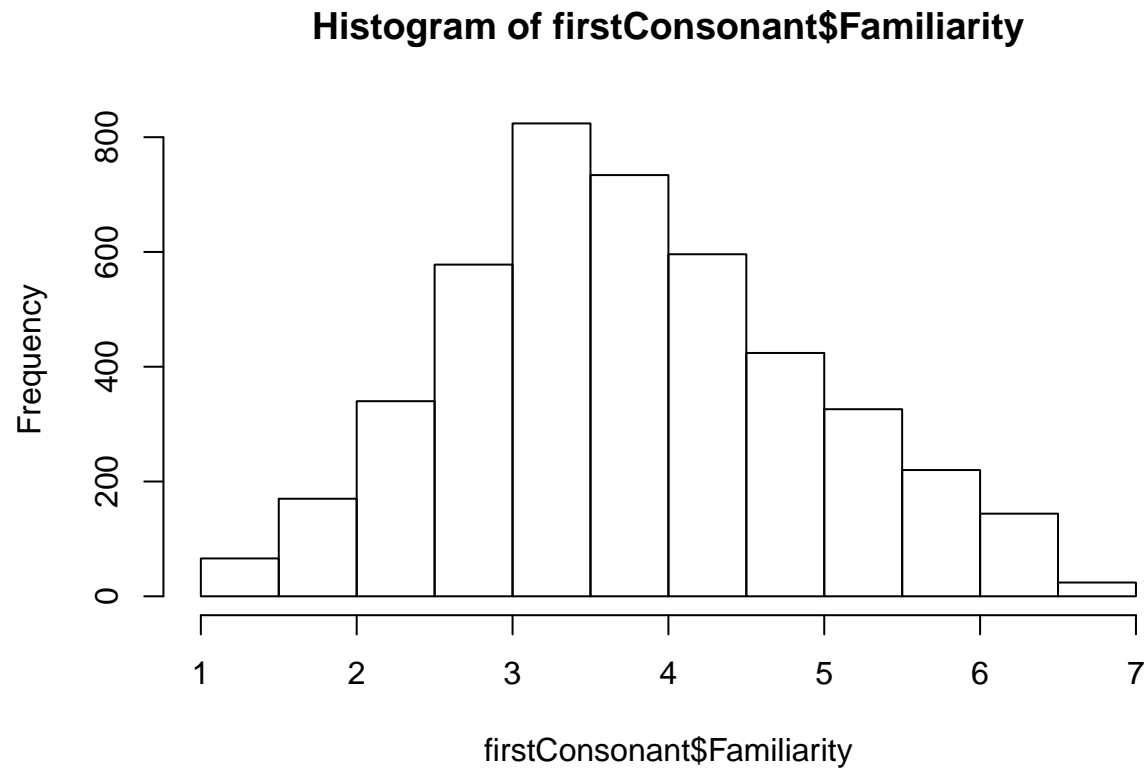
```
mean(firstConsonant$Familiarity)
```

```
## [1] 3.789892
```

```
mean(firstVowel$Familiarity)
```

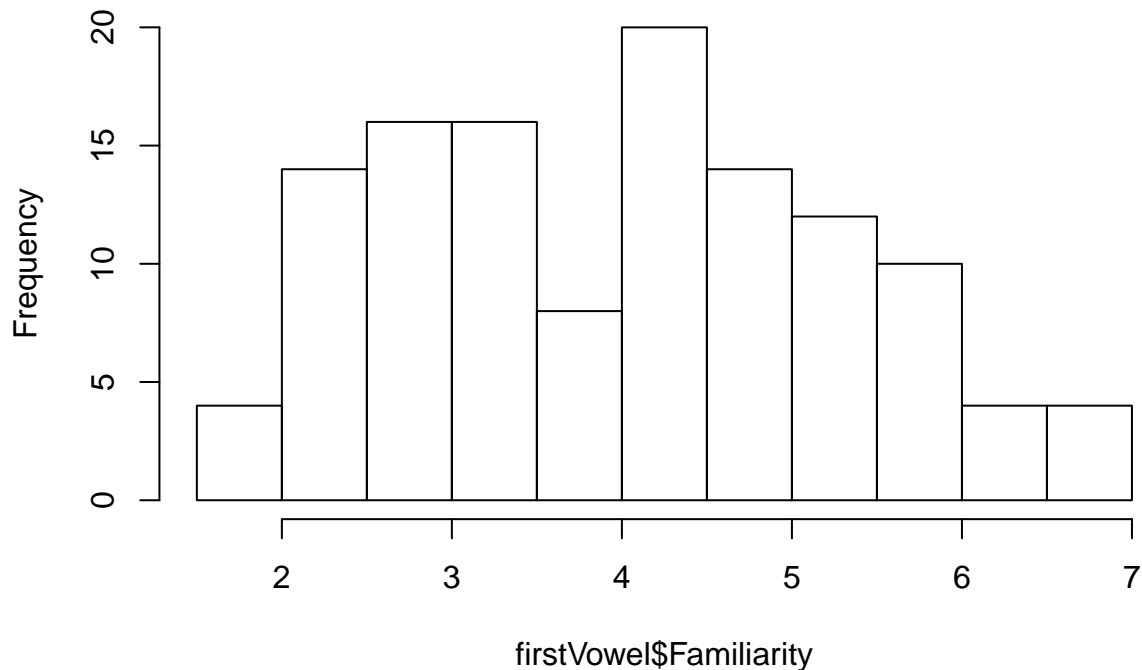
```
## [1] 4.002951
```

```
hist(firstConsonant$Familiarity)
```



```
hist(firstVowel$Familiarity)
```

Histogram of firstVowel\$Familiarity



```
# prije testiranja t-testom trebamo zaključiti jesu li varijance jednake u oba slučaja
var.test(firstConsonant$Familiarity, firstVowel$Familiarity)
```

```
##
## F test to compare two variances
##
## data: firstConsonant$Familiarity and firstVowel$Familiarity
## F = 0.78386, num df = 4445, denom df = 121, p-value = 0.04732
## alternative hypothesis: true ratio of variances is not equal to 1
## 95 percent confidence interval:
## 0.5971133 0.9971773
## sample estimates:
## ratio of variances
## 0.7838635

t.test(firstVowel$Familiarity, firstConsonant$Familiarity, alt = "greater", var.equal = TRUE)

##
## Two Sample t-test
##
## data: firstVowel$Familiarity and firstConsonant$Familiarity
## t = 2.0207, df = 4566, p-value = 0.02168
## alternative hypothesis: true difference in means is greater than 0
## 95 percent confidence interval:
## 0.03959434 Inf
## sample estimates:
## mean of x mean of y
```

```
## 4.002951 3.789892
```

```
#cor(english$WrittenSpokenFrequencyRatio, english$RTlexdec)
```

```
moreSpoken = english[english$WrittenSpokenFrequencyRatio > 0, ]
```

#je li riječi koje se više govore, dakle writespokefrequncyratio < 0 imaju i veći rezultat na RTnamingu

```
numericYoung = young[sapply(english, is.numeric)]
```

```
numericOld = old[sapply(english, is.numeric)]
```

```
cor(numericOld)
```

##	RTlexdec	RTnaming	Familiarity
## RTlexdec	1.000000000	0.47595619	-0.59316152
## RTnaming	0.475956189	1.00000000	-0.36727278
## Familiarity	-0.593161523	-0.36727278	1.00000000
## WrittenFrequency	-0.588817331	-0.37743805	0.79125559
## WrittenSpokenFrequencyRatio	0.033889838	0.12601457	-0.18989881
## FamilySize	-0.476038415	-0.34380160	0.59191973
## DerivationalEntropy	-0.227361700	-0.19078486	0.22071588
## InflectionalEntropy	-0.133746023	-0.10379678	0.10795420
## NumberSimplexSynsets	-0.430603048	-0.29746167	0.51065170
## NumberComplexSynsets	-0.446757721	-0.30041977	0.51001913
## LengthInLetters	0.072262724	0.31327448	-0.08215272
## Ncount	-0.090285280	-0.30851653	0.09650461
## MeanBigramFrequency	0.001193374	0.15809308	0.02962138
## FrequencyInitialDiphone	-0.126830596	-0.17413651	0.12847193
## ConspelV	-0.042823578	-0.10612119	0.07451417
## ConspelN	-0.146739131	-0.13972865	0.21437628
## ConphonV	-0.024206204	-0.01682665	0.05408975
## ConphonN	-0.116204184	-0.06897988	0.16180440
## ConfriendsV	-0.035811221	-0.11150685	0.04584224
## ConfriendsN	-0.166402178	-0.16480882	0.20673977
## ConffV	-0.024348152	0.01867552	0.05610343
## ConffN	-0.006441035	0.02846785	0.02945722
## ConfbV	-0.021548161	0.05399780	0.05687343
## ConfbN	-0.016866073	0.04826245	0.05199653
## NounFrequency	-0.224178647	-0.16992671	0.38119070
## VerbFrequency	-0.106122080	-0.08588008	0.23817700
## FrequencyInitialDiphoneWord	-0.068564757	0.05186360	0.09106333
## FrequencyInitialDiphoneSyllable	-0.057340164	0.07299776	0.07354114
## CorrectLexdec	-0.668025863	-0.36244072	0.46188432
##	WrittenFrequency		
## RTlexdec	-0.58881733		
## RTnaming	-0.37743805		
## Familiarity	0.79125559		
## WrittenFrequency	1.00000000		
## WrittenSpokenFrequencyRatio	0.07158067		
## FamilySize	0.66253864		
## DerivationalEntropy	0.25522889		
## InflectionalEntropy	-0.04048005		
## NumberSimplexSynsets	0.55874958		
## NumberComplexSynsets	0.59105478		
## LengthInLetters	-0.06663196		
## Ncount	0.10492564		

## MeanBigramFrequency	0.07758879	
## FrequencyInitialDiphone	0.16748670	
## ConspelV	0.05864228	
## ConspelN	0.28248908	
## ConphonV	0.08201255	
## ConphonN	0.22245283	
## ConfriendsV	0.02146455	
## ConfriendsN	0.26326498	
## ConffV	0.08162166	
## ConffN	0.05028101	
## ConfbV	0.11975724	
## ConfbN	0.10409106	
## NounFrequency	0.46955152	
## VerbFrequency	0.27879235	
## FrequencyInitialDiphoneWord	0.10827895	
## FrequencyInitialDiphoneSyllable	0.09111661	
## CorrectLexdec	0.42216174	
##	WrittenSpokenFrequencyRatio	FamilySize
## RTlexdec	0.033889838	-0.476038415
## RTnaming	0.126014566	-0.343801604
## Familiarity	-0.189898811	0.591919733
## WrittenFrequency	0.071580669	0.662538635
## WrittenSpokenFrequencyRatio	1.000000000	-0.108801543
## FamilySize	-0.108801543	1.000000000
## DerivationalEntropy	-0.010987756	0.692088896
## InflectionalEntropy	-0.118804044	0.101743523
## NumberSimplexSynsets	-0.085088573	0.590763556
## NumberComplexSynsets	-0.104598273	0.645411663
## LengthInLetters	0.204091196	-0.122995009
## Ncount	-0.188200595	0.174107015
## MeanBigramFrequency	0.191513493	-0.001056468
## FrequencyInitialDiphone	0.020799272	0.126804334
## ConspelV	-0.157689304	0.110812602
## ConspelN	-0.057307387	0.249522442
## ConphonV	-0.034796879	0.050171973
## ConphonN	-0.025856126	0.161531494
## ConfriendsV	-0.136348207	0.079271194
## ConfriendsN	-0.055568525	0.242711641
## ConffV	-0.026731676	0.080362377
## ConffN	-0.003403134	0.059199476
## ConfbV	0.093614167	0.050020822
## ConfbN	0.070239322	0.038457171
## NounFrequency	0.012482293	0.417794301
## VerbFrequency	-0.096554415	0.114132925
## FrequencyInitialDiphoneWord	0.002627022	0.096705342
## FrequencyInitialDiphoneSyllable	0.012872673	0.086426850
## CorrectLexdec	0.030779921	0.342795052
##	DerivationalEntropy	InflectionalEntropy
## RTlexdec	-0.227361700	-0.133746023
## RTnaming	-0.190784864	-0.103796784
## Familiarity	0.220715880	0.107954197
## WrittenFrequency	0.255228886	-0.040480046
## WrittenSpokenFrequencyRatio	-0.010987756	-0.118804044
## FamilySize	0.692088896	0.101743523

## DerivationalEntropy	1.000000000	-0.050795034
## InflectionalEntropy	-0.050795034	1.000000000
## NumberSimplexSynsets	0.223943027	0.398736053
## NumberComplexSynsets	0.331924999	0.005589502
## LengthInLetters	-0.104860729	0.052485031
## Ncount	0.123827732	-0.003252708
## MeanBigramFrequency	-0.020837051	0.024789643
## FrequencyInitialDiphone	0.083835479	-0.034461207
## ConspelV	0.046117273	0.140798520
## ConspelN	0.137519738	0.046826086
## ConphonV	-0.002754648	0.082962738
## ConphonN	0.074468614	0.031410725
## ConfriendsV	0.028929529	0.131247972
## ConfriendsN	0.131756437	0.067675205
## ConffV	0.041097365	0.014388810
## ConffN	0.040363830	0.010758578
## ConfbV	0.007743200	0.002863801
## ConfbN	0.011462290	-0.007583063
## NounFrequency	0.172254519	-0.114401007
## VerbFrequency	-0.019725738	0.094002603
## FrequencyInitialDiphoneWord	0.029479534	0.052469468
## FrequencyInitialDiphoneSyllable	0.027755605	0.050939450
## CorrectLexdec	0.180487660	0.171827106
##	NumberSimplexSynsets	NumberComplexSynsets
## RTlexdec	-0.4306030480	-0.446757721
## RTnaming	-0.2974616697	-0.300419766
## Familiarity	0.5106516971	0.510019126
## WrittenFrequency	0.5587495840	0.591054783
## WrittenSpokenFrequencyRatio	-0.0850885729	-0.104598273
## FamilySize	0.5907635556	0.645411663
## DerivationalEntropy	0.2239430269	0.331924999
## InflectionalEntropy	0.3987360535	0.005589502
## NumberSimplexSynsets	1.0000000000	0.524536500
## NumberComplexSynsets	0.5245365002	1.000000000
## LengthInLetters	-0.0063644110	-0.120445975
## Ncount	0.1129586209	0.137748482
## MeanBigramFrequency	0.0539689516	-0.023604116
## FrequencyInitialDiphone	0.0571276406	0.103684145
## ConspelV	0.1660590990	0.071760775
## ConspelN	0.2275859556	0.193733204
## ConphonV	0.0747186906	0.047783270
## ConphonN	0.1443620165	0.142498720
## ConfriendsV	0.1546554020	0.037761099
## ConfriendsN	0.2524518522	0.180629522
## ConffV	0.0362906719	0.082102822
## ConffN	0.0227783558	0.057010830
## ConfbV	0.0215807967	0.052172715
## ConfbN	0.0002057108	0.049175194
## NounFrequency	0.2380855612	0.349469930
## VerbFrequency	0.1887961418	0.092248597
## FrequencyInitialDiphoneWord	0.1270081956	0.058217178
## FrequencyInitialDiphoneSyllable	0.1160585801	0.047009152
## CorrectLexdec	0.3378478571	0.306192922
##	LengthInLetters	Ncount

## RTlexdec	0.072262724	-0.090285280
## RTnaming	0.313274483	-0.308516534
## Familiarity	-0.082152716	0.096504609
## WrittenFrequency	-0.066631955	0.104925644
## WrittenSpokenFrequencyRatio	0.204091196	-0.188200595
## FamilySize	-0.122995009	0.174107015
## DerivationalEntropy	-0.104860729	0.123827732
## InflectionalEntropy	0.052485031	-0.003252708
## NumberSimplexSynsets	-0.006364411	0.112958621
## NumberComplexSynsets	-0.120445975	0.137748482
## LengthInLetters	1.000000000	-0.625129141
## Ncount	-0.625129141	1.000000000
## MeanBigramFrequency	0.790492091	-0.387546284
## FrequencyInitialDiphone	-0.060443836	0.135888890
## ConspelV	-0.226416938	0.474710938
## ConspelN	-0.170022083	0.346547943
## ConphonV	-0.202368726	0.210193628
## ConphonN	-0.205167896	0.190732679
## ConfriendsV	-0.192199942	0.436821402
## ConfriendsN	-0.156898314	0.340831193
## Conffv	-0.019244458	0.076838593
## ConffN	0.010765359	0.069850580
## ConfbV	-0.040037290	-0.036034465
## ConfbN	-0.069985486	-0.042132633
## NounFrequency	-0.035331865	0.035870248
## VerbFrequency	-0.083729951	0.053361797
## FrequencyInitialDiphoneWord	0.155454553	0.007890710
## FrequencyInitialDiphoneSyllable	0.150391668	0.021719522
## CorrectLexdec	0.051533809	0.011743055
##	MeanBigramFrequency	
## RTlexdec	0.001193374	
## RTnaming	0.158093082	
## Familiarity	0.029621385	
## WrittenFrequency	0.077588795	
## WrittenSpokenFrequencyRatio	0.191513493	
## FamilySize	-0.001056468	
## DerivationalEntropy	-0.020837051	
## InflectionalEntropy	0.024789643	
## NumberSimplexSynsets	0.053968952	
## NumberComplexSynsets	-0.023604116	
## LengthInLetters	0.790492091	
## Ncount	-0.387546284	
## MeanBigramFrequency	1.000000000	
## FrequencyInitialDiphone	0.324815461	
## ConspelV	-0.091270605	
## ConspelN	0.060952203	
## ConphonV	-0.122457211	
## ConphonN	-0.064645303	
## ConfriendsV	-0.078215883	
## ConfriendsN	0.049075415	
## Conffv	0.072593437	
## ConffN	0.113704972	
## ConfbV	0.002954953	
## ConfbN	-0.019550727	

## NounFrequency	0.043361959		
## VerbFrequency	-0.045835069		
## FrequencyInitialDiphoneWord	0.214165942		
## FrequencyInitialDiphoneSyllable	0.201570329		
## CorrectLexdec	0.062652364		
##	FrequencyInitialDiphone	ConspelV	
## RTlexdec	-0.1268305962	-0.04282358	
## RTnaming	-0.1741365090	-0.10612119	
## Familiarity	0.1284719337	0.07451417	
## WrittenFrequency	0.1674867041	0.05864228	
## WrittenSpokenFrequencyRatio	0.0207992723	-0.15768930	
## FamilySize	0.1268043344	0.11081260	
## DerivationalEntropy	0.0838354786	0.04611727	
## InflectionalEntropy	-0.0344612070	0.14079852	
## NumberSimplexSynsets	0.0571276406	0.16605910	
## NumberComplexSynsets	0.1036841450	0.07176077	
## LengthInLetters	-0.0604438357	-0.22641694	
## Ncount	0.1358888899	0.47471094	
## MeanBigramFrequency	0.3248154611	-0.09127061	
## FrequencyInitialDiphone	1.0000000000	-0.05573050	
## ConspelV	-0.0557304958	1.00000000	
## ConspelN	0.0309540623	0.64214341	
## ConphonV	-0.0142352920	0.54021641	
## ConphonN	0.0104023606	0.41727634	
## ConfriendsV	-0.0495263185	0.91949493	
## ConfriendsN	0.0362062483	0.62267751	
## ConffV	-0.0001697975	0.23618800	
## ConffN	0.0021493798	0.16655427	
## ConfbV	0.0334157038	0.04946527	
## ConfbN	0.0191463198	0.02724069	
## NounFrequency	0.0985964971	-0.01696005	
## VerbFrequency	0.0557187478	0.06291967	
## FrequencyInitialDiphoneWord	0.1310981285	0.11861458	
## FrequencyInitialDiphoneSyllable	0.1188976490	0.12276477	
## CorrectLexdec	0.0353472391	0.06541108	
##	ConspelN	ConphonV	ConphonN
## RTlexdec	-0.14673913	-0.024206204	-0.11620418
## RTnaming	-0.13972865	-0.016826655	-0.06897988
## Familiarity	0.21437628	0.054089750	0.16180440
## WrittenFrequency	0.28248908	0.082012553	0.22245283
## WrittenSpokenFrequencyRatio	-0.05730739	-0.034796879	-0.02585613
## FamilySize	0.24952244	0.050171973	0.16153149
## DerivationalEntropy	0.13751974	-0.002754648	0.07446861
## InflectionalEntropy	0.04682609	0.082962738	0.03141073
## NumberSimplexSynsets	0.22758596	0.074718691	0.14436202
## NumberComplexSynsets	0.19373320	0.047783270	0.14249872
## LengthInLetters	-0.17002208	-0.202368726	-0.20516790
## Ncount	0.34654794	0.210193628	0.19073268
## MeanBigramFrequency	0.06095220	-0.122457211	-0.06464530
## FrequencyInitialDiphone	0.03095406	-0.014235292	0.01040236
## ConspelV	0.64214341	0.540216414	0.41727634
## ConspelN	1.00000000	0.380474673	0.65365781
## ConphonV	0.38047467	1.000000000	0.66588359
## ConphonN	0.65365781	0.665883587	1.00000000

## ConfriendsV	0.55820343	0.533170763	0.38675454
## ConfriendsN	0.88292615	0.378854310	0.65028040
## ConffV	0.27788182	0.039617689	0.08270634
## ConffN	0.34213915	0.060092579	0.09538521
## ConfbV	0.14221895	0.741851531	0.56997101
## ConfbN	0.14531495	0.609947163	0.66832337
## NounFrequency	0.11924516	-0.008769463	0.08519330
## VerbFrequency	0.12533768	0.064268066	0.10336888
## FrequencyInitialDiphoneWord	0.11832011	0.029920110	0.05363076
## FrequencyInitialDiphoneSyllable	0.11843351	0.033639918	0.05429738
## CorrectLexdec	0.11622722	0.025359696	0.08609851
##	ConfriendsV	ConfriendsN	ConffV
## RTlexdec	-0.03581122	-0.166402178	-0.0243481525
## RTnaming	-0.11150685	-0.164808821	0.0186755191
## Familiarity	0.04584224	0.206739773	0.0561034304
## WrittenFrequency	0.02146455	0.263264980	0.0816216587
## WrittenSpokenFrequencyRatio	-0.13634821	-0.055568525	-0.0267316761
## FamilySize	0.07927119	0.242711641	0.0803623769
## DerivationalEntropy	0.02892953	0.131756437	0.0410973651
## InflectionalEntropy	0.13124797	0.067675205	0.0143888100
## NumberSimplexSynsets	0.15465540	0.252451852	0.0362906719
## NumberComplexSynsets	0.03776110	0.180629522	0.0821028216
## LengthInLetters	-0.19219994	-0.156898314	-0.0192444580
## Ncount	0.43682140	0.340831193	0.0768385931
## MeanBigramFrequency	-0.07821588	0.049075415	0.0725934375
## FrequencyInitialDiphone	-0.04952632	0.036206248	-0.0001697975
## ConspelV	0.91949493	0.622677513	0.2361879962
## ConspelN	0.55820343	0.882926151	0.2778818176
## ConphonV	0.53317076	0.378854310	0.0396176894
## ConphonN	0.38675454	0.650280396	0.0827063427
## ConfriendsV	1.00000000	0.649018597	-0.1205452871
## ConfriendsN	0.64901860	1.000000000	0.0065361208
## ConffV	-0.12054529	0.006536121	1.0000000000
## ConffN	-0.10390690	0.020956643	0.8241820547
## ConfbV	0.01094067	0.083786596	0.0729283492
## ConfbN	-0.01072111	0.089220835	0.0683948055
## NounFrequency	-0.02244854	0.120108606	0.0367115079
## VerbFrequency	0.00393842	0.118902818	0.1198303241
## FrequencyInitialDiphoneWord	0.12811075	0.115161203	0.0058281749
## FrequencyInitialDiphoneSyllable	0.13787711	0.121747881	-0.0110108598
## CorrectLexdec	0.06245593	0.139276302	0.0142310263
##	ConffN	ConfbV	ConfbN
## RTlexdec	-0.006441035	-0.021548161	-0.0168660734
## RTnaming	0.028467854	0.053997800	0.0482624530
## Familiarity	0.029457215	0.056873430	0.0519965301
## WrittenFrequency	0.050281007	0.119757242	0.1040910628
## WrittenSpokenFrequencyRatio	-0.003403134	0.093614167	0.0702393218
## FamilySize	0.059199476	0.050020822	0.0384571715
## DerivationalEntropy	0.040363830	0.007743200	0.0114622898
## InflectionalEntropy	0.010758578	0.002863801	-0.0075830633
## NumberSimplexSynsets	0.022778356	0.021580797	0.0002057108
## NumberComplexSynsets	0.057010830	0.052172715	0.0491751942
## LengthInLetters	0.010765359	-0.040037290	-0.0699854865
## Ncount	0.069850580	-0.036034465	-0.0421326334

## MeanBigramFrequency	0.113704972	0.002954953	-0.0195507270
## FrequencyInitialDiphone	0.002149380	0.033415704	0.0191463198
## ConspelV	0.166554266	0.049465271	0.0272406932
## ConspelN	0.342139148	0.142218950	0.1453149511
## ConphonV	0.060092579	0.741851531	0.6099471634
## ConphonN	0.095385208	0.569971012	0.6683233736
## ConfriendsV	-0.103906902	0.010940674	-0.0107211109
## ConfriendsN	0.020956643	0.083786596	0.0892208353
## ConffV	0.824182055	0.072928349	0.0683948055
## ConffN	1.000000000	0.114815595	0.0933643088
## ConfbV	0.114815595	1.000000000	0.8424469664
## ConfbN	0.093364309	0.842446966	1.0000000000
## NounFrequency	0.010288796	0.021685118	0.0252276045
## VerbFrequency	0.082163492	0.050519739	0.0329567506
## FrequencyInitialDiphoneWord	0.003618182	-0.019915368	-0.0188858839
## FrequencyInitialDiphoneSyllable	-0.008732692	-0.027020380	-0.0244143624
## CorrectLexdec	-0.001161557	0.013122768	0.0065748431
##	NounFrequency	VerbFrequency	
## RTlexdec	-0.224178647	-0.106122080	
## RTnaming	-0.169926708	-0.085880078	
## Familiarity	0.381190698	0.238176996	
## WrittenFrequency	0.469551521	0.278792355	
## WrittenSpokenFrequencyRatio	0.012482293	-0.096554415	
## FamilySize	0.417794301	0.114132925	
## DerivationalEntropy	0.172254519	-0.019725738	
## InflectionalEntropy	-0.114401007	0.094002603	
## NumberSimplexSynsets	0.238085561	0.188796142	
## NumberComplexSynsets	0.349469930	0.092248597	
## LengthInLetters	-0.035331865	-0.083729951	
## Ncount	0.035870248	0.053361797	
## MeanBigramFrequency	0.043361959	-0.045835069	
## FrequencyInitialDiphone	0.098596497	0.055718748	
## ConspelV	-0.016960053	0.062919672	
## ConspelN	0.119245162	0.125337679	
## ConphonV	-0.008769463	0.064268066	
## ConphonN	0.085193295	0.103368885	
## ConfriendsV	-0.022448538	0.003938420	
## ConfriendsN	0.120108606	0.118902818	
## ConffV	0.036711508	0.119830324	
## ConffN	0.010288796	0.082163492	
## ConfbV	0.021685118	0.050519739	
## ConfbN	0.025227604	0.032956751	
## NounFrequency	1.000000000	-0.003117231	
## VerbFrequency	-0.003117231	1.000000000	
## FrequencyInitialDiphoneWord	0.047626002	0.069596145	
## FrequencyInitialDiphoneSyllable	0.034300335	0.055821617	
## CorrectLexdec	0.116741614	0.042103421	
##	FrequencyInitialDiphoneWord		
## RTlexdec		-0.068564757	
## RTnaming		0.051863602	
## Familiarity		0.091063334	
## WrittenFrequency		0.108278953	
## WrittenSpokenFrequencyRatio		0.002627022	
## FamilySize		0.096705342	

## DerivationalEntropy	0.029479534
## InflectionalEntropy	0.052469468
## NumberSimplexSynsets	0.127008196
## NumberComplexSynsets	0.058217178
## LengthInLetters	0.155454553
## Ncount	0.007890710
## MeanBigramFrequency	0.214165942
## FrequencyInitialDiphone	0.131098129
## ConspelV	0.118614576
## ConspelN	0.118320106
## ConphonV	0.029920110
## ConphonN	0.053630763
## ConfriendsV	0.128110751
## ConfriendsN	0.115161203
## ConffV	0.005828175
## ConffN	0.003618182
## ConfbV	-0.019915368
## ConfbN	-0.018885884
## NounFrequency	0.047626002
## VerbFrequency	0.069596145
## FrequencyInitialDiphoneWord	1.000000000
## FrequencyInitialDiphoneSyllable	0.978742189
## CorrectLexdec	0.066467537
##	FrequencyInitialDiphoneSyllable
## RTlexdec	-0.057340164
## RTnaming	0.072997756
## Familiarity	0.073541144
## WrittenFrequency	0.091116609
## WrittenSpokenFrequencyRatio	0.012872673
## FamilySize	0.086426850
## DerivationalEntropy	0.027755605
## InflectionalEntropy	0.050939450
## NumberSimplexSynsets	0.116058580
## NumberComplexSynsets	0.047009152
## LengthInLetters	0.150391668
## Ncount	0.021719522
## MeanBigramFrequency	0.201570329
## FrequencyInitialDiphone	0.118897649
## ConspelV	0.122764768
## ConspelN	0.118433514
## ConphonV	0.033639918
## ConphonN	0.054297378
## ConfriendsV	0.137877114
## ConfriendsN	0.121747881
## ConffV	-0.011010860
## ConffN	-0.008732692
## ConfbV	-0.027020380
## ConfbN	-0.024414362
## NounFrequency	0.034300335
## VerbFrequency	0.055821617
## FrequencyInitialDiphoneWord	0.978742189
## FrequencyInitialDiphoneSyllable	1.000000000
## CorrectLexdec	0.061269227
##	CorrectLexdec

```

## RTlexdec -0.668025863
## RTnaming -0.362440720
## Familiarity 0.461884316
## WrittenFrequency 0.422161740
## WrittenSpokenFrequencyRatio 0.030779921
## FamilySize 0.342795052
## DerivationalEntropy 0.180487660
## InflectionalEntropy 0.171827106
## NumberSimplexSynsets 0.337847857
## NumberComplexSynsets 0.306192922
## LengthInLetters 0.051533809
## Ncount 0.011743055
## MeanBigramFrequency 0.062652364
## FrequencyInitialDiphone 0.035347239
## ConspelV 0.065411078
## ConspelN 0.116227221
## ConphonV 0.025359696
## ConphonN 0.086098509
## ConfriendsV 0.062455932
## ConfriendsN 0.139276302
## ConffV 0.014231026
## ConffN -0.001161557
## ConfbV 0.013122768
## ConfbN 0.006574843
## NounFrequency 0.116741614
## VerbFrequency 0.042103421
## FrequencyInitialDiphoneWord 0.066467537
## FrequencyInitialDiphoneSyllable 0.061269227
## CorrectLexdec 1.000000000

```

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cor(numericYoung)
```

```

## RTlexdec RTnaming Familiarity
## RTlexdec 1.000000000 0.30624638 -0.66702516
## RTnaming 0.306246378 1.000000000 -0.29059952
## Familiarity -0.667025156 -0.29059952 1.000000000
## WrittenFrequency -0.643425446 -0.28731234 0.79125559
## WrittenSpokenFrequencyRatio 0.080701892 0.13211444 -0.18989881
## FamilySize -0.514469499 -0.26646711 0.59191973
## DerivationalEntropy -0.228576807 -0.15266940 0.22071588
## InflectionalEntropy -0.115608179 -0.04485241 0.10795420
## NumberSimplexSynsets -0.444052038 -0.19653334 0.51065170
## NumberComplexSynsets -0.484361907 -0.22851499 0.51001913
## LengthInLetters 0.068292238 0.35653197 -0.08215272
## Ncount -0.095868200 -0.36392371 0.09650461
## MeanBigramFrequency 0.006476457 0.18606975 0.02962138
## FrequencyInitialDiphone -0.081900464 -0.23553856 0.12847193
## ConspelV -0.050467760 -0.06624607 0.07451417
## ConspelN -0.157921045 -0.10050016 0.21437628
## ConphonV -0.037881801 0.03064434 0.05408975
## ConphonN -0.112573337 -0.02718737 0.16180440
## ConfriendsV -0.036994904 -0.07995335 0.04584224
## ConfriendsN -0.166049444 -0.14257294 0.20673977
## ConffV -0.022222592 0.03950505 0.05610343
## ConffN -0.009761968 0.05486205 0.02945722

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## ConfbV	-0.043037920	0.08432589	0.05687343
## ConfbN	-0.036391162	0.07447171	0.05199653
## NounFrequency	-0.249821359	-0.12880064	0.38119070
## VerbFrequency	-0.110125191	-0.08729293	0.23817700
## FrequencyInitialDiphoneWord	-0.051335195	0.09761221	0.09106333
## FrequencyInitialDiphoneSyllable	-0.042469235	0.12193735	0.07354114
## CorrectLexdec	-0.612354512	-0.22988359	0.61593275
##	WrittenFrequency		
## RTlexdec	-0.64342545		
## RTnaming	-0.28731234		
## Familiarity	0.79125559		
## WrittenFrequency	1.00000000		
## WrittenSpokenFrequencyRatio	0.07158067		
## FamilySize	0.66253864		
## DerivationalEntropy	0.25522889		
## InflectionalEntropy	-0.04048005		
## NumberSimplexSynsets	0.55874958		
## NumberComplexSynsets	0.59105478		
## LengthInLetters	-0.06663196		
## Ncount	0.10492564		
## MeanBigramFrequency	0.07758879		
## FrequencyInitialDiphone	0.16748670		
## ConspelV	0.05864228		
## ConspelN	0.28248908		
## ConphonV	0.08201255		
## ConphonN	0.22245283		
## ConfriendsV	0.02146455		
## ConfriendsN	0.26326498		
## ConffV	0.08162166		
## ConffN	0.05028101		
## ConfbV	0.11975724		
## ConfbN	0.10409106		
## NounFrequency	0.46955152		
## VerbFrequency	0.27879235		
## FrequencyInitialDiphoneWord	0.10827895		
## FrequencyInitialDiphoneSyllable	0.09111661		
## CorrectLexdec	0.52259421		
##	WrittenSpokenFrequencyRatio	FamilySize	
## RTlexdec	0.080701892	-0.514469499	
## RTnaming	0.132114440	-0.266467114	
## Familiarity	-0.189898811	0.591919733	
## WrittenFrequency	0.071580669	0.662538635	
## WrittenSpokenFrequencyRatio	1.000000000	-0.108801543	
## FamilySize	-0.108801543	1.000000000	
## DerivationalEntropy	-0.010987756	0.692088896	
## InflectionalEntropy	-0.118804044	0.101743523	
## NumberSimplexSynsets	-0.085088573	0.590763556	
## NumberComplexSynsets	-0.104598273	0.645411663	
## LengthInLetters	0.204091196	-0.122995009	
## Ncount	-0.188200595	0.174107015	
## MeanBigramFrequency	0.191513493	-0.001056468	
## FrequencyInitialDiphone	0.020799272	0.126804334	
## ConspelV	-0.157689304	0.110812602	
## ConspelN	-0.057307387	0.249522442	

## ConphonV	-0.034796879	0.050171973
## ConphonN	-0.025856126	0.161531494
## ConfriendsV	-0.136348207	0.079271194
## ConfriendsN	-0.055568525	0.242711641
## ConffV	-0.026731676	0.080362377
## ConffN	-0.003403134	0.059199476
## ConfbV	0.093614167	0.050020822
## ConfbN	0.070239322	0.038457171
## NounFrequency	0.012482293	0.417794301
## VerbFrequency	-0.096554415	0.114132925
## FrequencyInitialDiphonWord	0.002627022	0.096705342
## FrequencyInitialDiphonSyllable	0.012872673	0.086426850
## CorrectLexdec	-0.004411617	0.405063992
##	DerivationalEntropy	InflectionalEntropy
## RTlexdec	-0.228576807	-0.115608179
## RTnaming	-0.152669404	-0.044852413
## Familiarity	0.220715880	0.107954197
## WrittenFrequency	0.255228886	-0.040480046
## WrittenSpokenFrequencyRatio	-0.010987756	-0.118804044
## FamilySize	0.692088896	0.101743523
## DerivationalEntropy	1.000000000	-0.050795034
## InflectionalEntropy	-0.050795034	1.000000000
## NumberSimplexSynsets	0.223943027	0.398736053
## NumberComplexSynsets	0.331924999	0.005589502
## LengthInLetters	-0.104860729	0.052485031
## Ncount	0.123827732	-0.003252708
## MeanBigramFrequency	-0.020837051	0.024789643
## FrequencyInitialDiphon	0.083835479	-0.034461207
## ConspelV	0.046117273	0.140798520
## ConspelN	0.137519738	0.046826086
## ConphonV	-0.002754648	0.082962738
## ConphonN	0.074468614	0.031410725
## ConfriendsV	0.028929529	0.131247972
## ConfriendsN	0.131756437	0.067675205
## ConffV	0.041097365	0.014388810
## ConffN	0.040363830	0.010758578
## ConfbV	0.007743200	0.002863801
## ConfbN	0.011462290	-0.007583063
## NounFrequency	0.172254519	-0.114401007
## VerbFrequency	-0.019725738	0.094002603
## FrequencyInitialDiphonWord	0.029479534	0.052469468
## FrequencyInitialDiphonSyllable	0.027755605	0.050939450
## CorrectLexdec	0.211362354	0.205277742
##	NumberSimplexSynsets	NumberComplexSynsets
## RTlexdec	-0.4440520384	-0.484361907
## RTnaming	-0.1965333396	-0.228514990
## Familiarity	0.5106516971	0.510019126
## WrittenFrequency	0.5587495840	0.591054783
## WrittenSpokenFrequencyRatio	-0.0850885729	-0.104598273
## FamilySize	0.5907635556	0.645411663
## DerivationalEntropy	0.2239430269	0.331924999
## InflectionalEntropy	0.3987360535	0.005589502
## NumberSimplexSynsets	1.0000000000	0.524536500
## NumberComplexSynsets	0.5245365002	1.0000000000

## LengthInLetters	-0.0063644110	-0.120445975
## Ncount	0.1129586209	0.137748482
## MeanBigramFrequency	0.0539689516	-0.023604116
## FrequencyInitialDiphone	0.0571276406	0.103684145
## ConspelV	0.1660590990	0.071760775
## ConspelN	0.2275859556	0.193733204
## ConphonV	0.0747186906	0.047783270
## ConphonN	0.1443620165	0.142498720
## ConfriendsV	0.1546554020	0.037761099
## ConfriendsN	0.2524518522	0.180629522
## ConffV	0.0362906719	0.082102822
## ConffN	0.0227783558	0.057010830
## ConfbV	0.0215807967	0.052172715
## ConfbN	0.0002057108	0.049175194
## NounFrequency	0.2380855612	0.349469930
## VerbFrequency	0.1887961418	0.092248597
## FrequencyInitialDiphoneWord	0.1270081956	0.058217178
## FrequencyInitialDiphoneSyllable	0.1160585801	0.047009152
## CorrectLexdec	0.3900884514	0.373633794
##	LengthInLetters	Ncount
## RTlexdec	0.068292238	-0.095868200
## RTnaming	0.356531971	-0.363923711
## Familiarity	-0.082152716	0.096504609
## WrittenFrequency	-0.066631955	0.104925644
## WrittenSpokenFrequencyRatio	0.204091196	-0.188200595
## FamilySize	-0.122995009	0.174107015
## DerivationalEntropy	-0.104860729	0.123827732
## InflectionalEntropy	0.052485031	-0.003252708
## NumberSimplexSynsets	-0.006364411	0.112958621
## NumberComplexSynsets	-0.120445975	0.137748482
## LengthInLetters	1.000000000	-0.625129141
## Ncount	-0.625129141	1.000000000
## MeanBigramFrequency	0.790492091	-0.387546284
## FrequencyInitialDiphone	-0.060443836	0.135888890
## ConspelV	-0.226416938	0.474710938
## ConspelN	-0.170022083	0.346547943
## ConphonV	-0.202368726	0.210193628
## ConphonN	-0.205167896	0.190732679
## ConfriendsV	-0.192199942	0.436821402
## ConfriendsN	-0.156898314	0.340831193
## ConffV	-0.019244458	0.076838593
## ConffN	0.010765359	0.069850580
## ConfbV	-0.040037290	-0.036034465
## ConfbN	-0.069985486	-0.042132633
## NounFrequency	-0.035331865	0.035870248
## VerbFrequency	-0.083729951	0.053361797
## FrequencyInitialDiphoneWord	0.155454553	0.007890710
## FrequencyInitialDiphoneSyllable	0.150391668	0.021719522
## CorrectLexdec	0.047375147	0.020203531
##	MeanBigramFrequency	
## RTlexdec	0.006476457	
## RTnaming	0.186069747	
## Familiarity	0.029621385	
## WrittenFrequency	0.077588795	

## WrittenSpokenFrequencyRatio	0.191513493	
## FamilySize	-0.001056468	
## DerivationalEntropy	-0.020837051	
## InflectionalEntropy	0.024789643	
## NumberSimplexSynsets	0.053968952	
## NumberComplexSynsets	-0.023604116	
## LengthInLetters	0.790492091	
## Ncount	-0.387546284	
## MeanBigramFrequency	1.000000000	
## FrequencyInitialDiphone	0.324815461	
## ConspelV	-0.091270605	
## ConspelN	0.060952203	
## ConphonV	-0.122457211	
## ConphonN	-0.064645303	
## ConfriendsV	-0.078215883	
## ConfriendsN	0.049075415	
## ConffV	0.072593437	
## ConffN	0.113704972	
## ConfbV	0.002954953	
## ConfbN	-0.019550727	
## NounFrequency	0.043361959	
## VerbFrequency	-0.045835069	
## FrequencyInitialDiphoneWord	0.214165942	
## FrequencyInitialDiphoneSyllable	0.201570329	
## CorrectLexdec	0.070021458	
##	FrequencyInitialDiphone	ConspelV
## RTlexdec	-0.0819004642	-0.05046776
## RTnaming	-0.2355385582	-0.06624607
## Familiarity	0.1284719337	0.07451417
## WrittenFrequency	0.1674867041	0.05864228
## WrittenSpokenFrequencyRatio	0.0207992723	-0.15768930
## FamilySize	0.1268043344	0.11081260
## DerivationalEntropy	0.0838354786	0.04611727
## InflectionalEntropy	-0.0344612070	0.14079852
## NumberSimplexSynsets	0.0571276406	0.16605910
## NumberComplexSynsets	0.1036841450	0.07176077
## LengthInLetters	-0.0604438357	-0.22641694
## Ncount	0.1358888899	0.47471094
## MeanBigramFrequency	0.3248154611	-0.09127061
## FrequencyInitialDiphone	1.0000000000	-0.05573050
## ConspelV	-0.0557304958	1.00000000
## ConspelN	0.0309540623	0.64214341
## ConphonV	-0.0142352920	0.54021641
## ConphonN	0.0104023606	0.41727634
## ConfriendsV	-0.0495263185	0.91949493
## ConfriendsN	0.0362062483	0.62267751
## ConffV	-0.0001697975	0.23618800
## ConffN	0.0021493798	0.16655427
## ConfbV	0.0334157038	0.04946527
## ConfbN	0.0191463198	0.02724069
## NounFrequency	0.0985964971	-0.01696005
## VerbFrequency	0.0557187478	0.06291967
## FrequencyInitialDiphoneWord	0.1310981285	0.11861458
## FrequencyInitialDiphoneSyllable	0.1188976490	0.12276477

## CorrectLexdec		0.0614539159	0.04395399
##	ConspelN	ConphonV	ConphonN
## RTlexdec	-0.15792104	-0.037881801	-0.11257334
## RTnaming	-0.10050016	0.030644342	-0.02718737
## Familiarity	0.21437628	0.054089750	0.16180440
## WrittenFrequency	0.28248908	0.082012553	0.22245283
## WrittenSpokenFrequencyRatio	-0.05730739	-0.034796879	-0.02585613
## FamilySize	0.24952244	0.050171973	0.16153149
## DerivationalEntropy	0.13751974	-0.002754648	0.07446861
## InflectionalEntropy	0.04682609	0.082962738	0.03141073
## NumberSimplexSynsets	0.22758596	0.074718691	0.14436202
## NumberComplexSynsets	0.19373320	0.047783270	0.14249872
## LengthInLetters	-0.17002208	-0.202368726	-0.20516790
## Ncount	0.34654794	0.210193628	0.19073268
## MeanBigramFrequency	0.06095220	-0.122457211	-0.06464530
## FrequencyInitialDiphone	0.03095406	-0.014235292	0.01040236
## ConspelV	0.64214341	0.540216414	0.41727634
## ConspelN	1.00000000	0.380474673	0.65365781
## ConphonV	0.38047467	1.00000000	0.66588359
## ConphonN	0.65365781	0.665883587	1.00000000
## ConfriendsV	0.55820343	0.533170763	0.38675454
## ConfriendsN	0.88292615	0.378854310	0.65028040
## ConffV	0.27788182	0.039617689	0.08270634
## ConffN	0.34213915	0.060092579	0.09538521
## ConfbV	0.14221895	0.741851531	0.56997101
## ConfbN	0.14531495	0.609947163	0.66832337
## NounFrequency	0.11924516	-0.008769463	0.08519330
## VerbFrequency	0.12533768	0.064268066	0.10336888
## FrequencyInitialDiphoneWord	0.11832011	0.029920110	0.05363076
## FrequencyInitialDiphoneSyllable	0.11843351	0.033639918	0.05429738
## CorrectLexdec	0.10661819	0.019815156	0.06443153
##	ConfriendsV	ConfriendsN	ConffV
## RTlexdec	-0.03699490	-0.166049444	-0.0222225919
## RTnaming	-0.07995335	-0.142572945	0.0395050527
## Familiarity	0.04584224	0.206739773	0.0561034304
## WrittenFrequency	0.02146455	0.263264980	0.0816216587
## WrittenSpokenFrequencyRatio	-0.13634821	-0.055568525	-0.0267316761
## FamilySize	0.07927119	0.242711641	0.0803623769
## DerivationalEntropy	0.02892953	0.131756437	0.0410973651
## InflectionalEntropy	0.13124797	0.067675205	0.0143888100
## NumberSimplexSynsets	0.15465540	0.252451852	0.0362906719
## NumberComplexSynsets	0.03776110	0.180629522	0.0821028216
## LengthInLetters	-0.19219994	-0.156898314	-0.0192444580
## Ncount	0.43682140	0.340831193	0.0768385931
## MeanBigramFrequency	-0.07821588	0.049075415	0.0725934375
## FrequencyInitialDiphone	-0.04952632	0.036206248	-0.0001697975
## ConspelV	0.91949493	0.622677513	0.2361879962
## ConspelN	0.55820343	0.882926151	0.2778818176
## ConphonV	0.53317076	0.378854310	0.0396176894
## ConphonN	0.38675454	0.650280396	0.0827063427
## ConfriendsV	1.00000000	0.649018597	-0.1205452871
## ConfriendsN	0.64901860	1.00000000	0.0065361208
## ConffV	-0.12054529	0.006536121	1.0000000000
## ConffN	-0.10390690	0.020956643	0.8241820547

## ConfbV	0.01094067	0.083786596	0.0729283492
## ConfbN	-0.01072111	0.089220835	0.0683948055
## NounFrequency	-0.02244854	0.120108606	0.0367115079
## VerbFrequency	0.00393842	0.118902818	0.1198303241
## FrequencyInitialDiphoneWord	0.12811075	0.115161203	0.0058281749
## FrequencyInitialDiphoneSyllable	0.13787711	0.121747881	-0.0110108598
## CorrectLexdec	0.03964770	0.126738786	0.0036638250
##	ConffN	ConfbV	ConfbN
## RTlexdec	-0.009761968	-0.043037920	-0.0363911616
## RTnaming	0.054862048	0.084325888	0.0744717051
## Familiarity	0.029457215	0.056873430	0.0519965301
## WrittenFrequency	0.050281007	0.119757242	0.1040910628
## WrittenSpokenFrequencyRatio	-0.003403134	0.093614167	0.0702393218
## FamilySize	0.059199476	0.050020822	0.0384571715
## DerivationalEntropy	0.040363830	0.007743200	0.0114622898
## InflectionalEntropy	0.010758578	0.002863801	-0.0075830633
## NumberSimplexSynsets	0.022778356	0.021580797	0.0002057108
## NumberComplexSynsets	0.057010830	0.052172715	0.0491751942
## LengthInLetters	0.010765359	-0.040037290	-0.0699854865
## Ncount	0.069850580	-0.036034465	-0.0421326334
## MeanBigramFrequency	0.113704972	0.002954953	-0.0195507270
## FrequencyInitialDiphone	0.002149380	0.033415704	0.0191463198
## ConspelV	0.166554266	0.049465271	0.0272406932
## ConspelN	0.342139148	0.142218950	0.1453149511
## ConphonV	0.060092579	0.741851531	0.6099471634
## ConphonN	0.095385208	0.569971012	0.6683233736
## ConfriendsV	-0.103906902	0.010940674	-0.0107211109
## ConfriendsN	0.020956643	0.083786596	0.0892208353
## ConffV	0.824182055	0.072928349	0.0683948055
## ConffN	1.000000000	0.114815595	0.0933643088
## ConfbV	0.114815595	1.000000000	0.8424469664
## ConfbN	0.093364309	0.842446966	1.0000000000
## NounFrequency	0.010288796	0.021685118	0.0252276045
## VerbFrequency	0.082163492	0.050519739	0.0329567506
## FrequencyInitialDiphoneWord	0.003618182	-0.019915368	-0.0188858839
## FrequencyInitialDiphoneSyllable	-0.008732692	-0.027020380	-0.0244143624
## CorrectLexdec	-0.011619964	0.001102480	0.0026703749
##	NounFrequency	VerbFrequency	
## RTlexdec	-0.249821359	-0.110125191	
## RTnaming	-0.128800638	-0.087292933	
## Familiarity	0.381190698	0.238176996	
## WrittenFrequency	0.469551521	0.278792355	
## WrittenSpokenFrequencyRatio	0.012482293	-0.096554415	
## FamilySize	0.417794301	0.114132925	
## DerivationalEntropy	0.172254519	-0.019725738	
## InflectionalEntropy	-0.114401007	0.094002603	
## NumberSimplexSynsets	0.238085561	0.188796142	
## NumberComplexSynsets	0.349469930	0.092248597	
## LengthInLetters	-0.035331865	-0.083729951	
## Ncount	0.035870248	0.053361797	
## MeanBigramFrequency	0.043361959	-0.045835069	
## FrequencyInitialDiphone	0.098596497	0.055718748	
## ConspelV	-0.016960053	0.062919672	
## ConspelN	0.119245162	0.125337679	

## ConphonV	-0.008769463	0.064268066
## ConphonN	0.085193295	0.103368885
## ConfriendsV	-0.022448538	0.003938420
## ConfriendsN	0.120108606	0.118902818
## ConffV	0.036711508	0.119830324
## ConffN	0.010288796	0.082163492
## ConfbV	0.021685118	0.050519739
## ConfbN	0.025227604	0.032956751
## NounFrequency	1.000000000	-0.003117231
## VerbFrequency	-0.003117231	1.000000000
## FrequencyInitialDiphoneWord	0.047626002	0.069596145
## FrequencyInitialDiphoneSyllable	0.034300335	0.055821617
## CorrectLexdec	0.147286936	0.059809820
##	FrequencyInitialDiphoneWord	
## RTlexdec		-0.051335195
## RTnaming		0.097612207
## Familiarity		0.091063334
## WrittenFrequency		0.108278953
## WrittenSpokenFrequencyRatio		0.002627022
## FamilySize		0.096705342
## DerivationalEntropy		0.029479534
## InflectionalEntropy		0.052469468
## NumberSimplexSynsets		0.127008196
## NumberComplexSynsets		0.058217178
## LengthInLetters		0.155454553
## Ncount		0.007890710
## MeanBigramFrequency		0.214165942
## FrequencyInitialDiphone		0.131098129
## ConspelV		0.118614576
## ConspelN		0.118320106
## ConphonV		0.029920110
## ConphonN		0.053630763
## ConfriendsV		0.128110751
## ConfriendsN		0.115161203
## ConffV		0.005828175
## ConffN		0.003618182
## ConfbV		-0.019915368
## ConfbN		-0.018885884
## NounFrequency		0.047626002
## VerbFrequency		0.069596145
## FrequencyInitialDiphoneWord		1.000000000
## FrequencyInitialDiphoneSyllable		0.978742189
## CorrectLexdec		0.065042509
##	FrequencyInitialDiphoneSyllable	
## RTlexdec		-0.042469235
## RTnaming		0.121937348
## Familiarity		0.073541144
## WrittenFrequency		0.091116609
## WrittenSpokenFrequencyRatio		0.012872673
## FamilySize		0.086426850
## DerivationalEntropy		0.027755605
## InflectionalEntropy		0.050939450
## NumberSimplexSynsets		0.116058580
## NumberComplexSynsets		0.047009152

```

## LengthInLetters      0.150391668
## Ncount               0.021719522
## MeanBigramFrequency  0.201570329
## FrequencyInitialDiphone 0.118897649
## ConspelV            0.122764768
## ConspelN            0.118433514
## ConphonV            0.033639918
## ConphonN            0.054297378
## ConfriendsV         0.137877114
## ConfriendsN         0.121747881
## ConffV              -0.011010860
## ConffN              -0.008732692
## ConfbV              -0.027020380
## ConfbN              -0.024414362
## NounFrequency       0.034300335
## VerbFrequency       0.055821617
## FrequencyInitialDiphoneWord 0.978742189
## FrequencyInitialDiphoneSyllable 1.000000000
## CorrectLexdec       0.059635526
##
## CorrectLexdec
## RTlexdec            -0.612354512
## RTnaming            -0.229883595
## Familiarity         0.615932753
## WrittenFrequency    0.522594211
## WrittenSpokenFrequencyRatio -0.004411617
## FamilySize          0.405063992
## DerivationalEntropy 0.211362354
## InflectionalEntropy 0.205277742
## NumberSimplexSynsets 0.390088451
## NumberComplexSynsets 0.373633794
## LengthInLetters    0.047375147
## Ncount              0.020203531
## MeanBigramFrequency 0.070021458
## FrequencyInitialDiphone 0.061453916
## ConspelV           0.043953990
## ConspelN           0.106618187
## ConphonV           0.019815156
## ConphonN           0.064431532
## ConfriendsV        0.039647703
## ConfriendsN        0.126738786
## ConffV             0.003663825
## ConffN             -0.011619964
## ConfbV             0.001102480
## ConfbN             0.002670375
## NounFrequency      0.147286936
## VerbFrequency      0.059809820
## FrequencyInitialDiphoneWord 0.065042509
## FrequencyInitialDiphoneSyllable 0.059635526
## CorrectLexdec      1.000000000

```

```

diff = cor(numericOld) - cor(numericYoung)
diff

```

```

##
## RTlexdec            0.000000000  RTnaming 0.169709811  Familiarity 0.07386363

```

## RTnaming	0.1697098105	0.000000000	-0.07667327
## Familiarity	0.0738636332	-0.076673265	0.000000000
## WrittenFrequency	0.0546081154	-0.090125714	0.000000000
## WrittenSpokenFrequencyRatio	-0.0468120539	-0.006099874	0.000000000
## FamilySize	0.0384310841	-0.077334490	0.000000000
## DerivationalEntropy	0.0012151069	-0.038115460	0.000000000
## InflectionalEntropy	-0.0181378441	-0.058944371	0.000000000
## NumberSimplexSynsets	0.0134489904	-0.100928330	0.000000000
## NumberComplexSynsets	0.0376041861	-0.071904776	0.000000000
## LengthInLetters	0.0039704855	-0.043257488	0.000000000
## Ncount	0.0055829196	0.055407177	0.000000000
## MeanBigramFrequency	-0.0052830838	-0.027976665	0.000000000
## FrequencyInitialDiphone	-0.0449301320	0.061402049	0.000000000
## ConspelV	0.0076441826	-0.039875118	0.000000000
## ConspelN	0.0111819135	-0.039228492	0.000000000
## ConphonV	0.0136755967	-0.047470997	0.000000000
## ConphonN	-0.0036308471	-0.041792508	0.000000000
## ConfriendsV	0.0011836832	-0.031553502	0.000000000
## ConfriendsN	-0.0003527338	-0.022235877	0.000000000
## ConffV	-0.0021255605	-0.020829534	0.000000000
## ConffN	0.0033209332	-0.026394194	0.000000000
## ConfbV	0.0214897596	-0.030328088	0.000000000
## ConfbN	0.0195250882	-0.026209252	0.000000000
## NounFrequency	0.0256427127	-0.041126070	0.000000000
## VerbFrequency	0.0040031108	0.001412855	0.000000000
## FrequencyInitialDiphoneWord	-0.0172295618	-0.045748605	0.000000000
## FrequencyInitialDiphoneSyllable	-0.0148709286	-0.048939592	0.000000000
## CorrectLexdec	-0.0556713501	-0.132557125	-0.15404844
##	WrittenFrequency		
## RTlexdec	0.05460812		
## RTnaming	-0.09012571		
## Familiarity	0.00000000		
## WrittenFrequency	0.00000000		
## WrittenSpokenFrequencyRatio	0.00000000		
## FamilySize	0.00000000		
## DerivationalEntropy	0.00000000		
## InflectionalEntropy	0.00000000		
## NumberSimplexSynsets	0.00000000		
## NumberComplexSynsets	0.00000000		
## LengthInLetters	0.00000000		
## Ncount	0.00000000		
## MeanBigramFrequency	0.00000000		
## FrequencyInitialDiphone	0.00000000		
## ConspelV	0.00000000		
## ConspelN	0.00000000		
## ConphonV	0.00000000		
## ConphonN	0.00000000		
## ConfriendsV	0.00000000		
## ConfriendsN	0.00000000		
## ConffV	0.00000000		
## ConffN	0.00000000		
## ConfbV	0.00000000		
## ConfbN	0.00000000		
## NounFrequency	0.00000000		

## VerbFrequency	0.00000000	
## FrequencyInitialDiphoneWord	0.00000000	
## FrequencyInitialDiphoneSyllable	0.00000000	
## CorrectLexdec	-0.10043247	
##	WrittenSpokenFrequencyRatio	FamilySize
## RTlexdec	-0.046812054	0.03843108
## RTnaming	-0.006099874	-0.07733449
## Familiarity	0.000000000	0.00000000
## WrittenFrequency	0.000000000	0.00000000
## WrittenSpokenFrequencyRatio	0.000000000	0.00000000
## FamilySize	0.000000000	0.00000000
## DerivationalEntropy	0.000000000	0.00000000
## InflectionalEntropy	0.000000000	0.00000000
## NumberSimplexSynsets	0.000000000	0.00000000
## NumberComplexSynsets	0.000000000	0.00000000
## LengthInLetters	0.000000000	0.00000000
## Ncount	0.000000000	0.00000000
## MeanBigramFrequency	0.000000000	0.00000000
## FrequencyInitialDiphone	0.000000000	0.00000000
## ConspelV	0.000000000	0.00000000
## ConspelN	0.000000000	0.00000000
## ConphonV	0.000000000	0.00000000
## ConphonN	0.000000000	0.00000000
## ConfriendsV	0.000000000	0.00000000
## ConfriendsN	0.000000000	0.00000000
## ConffV	0.000000000	0.00000000
## ConffN	0.000000000	0.00000000
## ConfbV	0.000000000	0.00000000
## ConfbN	0.000000000	0.00000000
## NounFrequency	0.000000000	0.00000000
## VerbFrequency	0.000000000	0.00000000
## FrequencyInitialDiphoneWord	0.000000000	0.00000000
## FrequencyInitialDiphoneSyllable	0.000000000	0.00000000
## CorrectLexdec	0.035191538	-0.06226894
##	DerivationalEntropy	InflectionalEntropy
## RTlexdec	0.001215107	-0.01813784
## RTnaming	-0.038115460	-0.05894437
## Familiarity	0.000000000	0.00000000
## WrittenFrequency	0.000000000	0.00000000
## WrittenSpokenFrequencyRatio	0.000000000	0.00000000
## FamilySize	0.000000000	0.00000000
## DerivationalEntropy	0.000000000	0.00000000
## InflectionalEntropy	0.000000000	0.00000000
## NumberSimplexSynsets	0.000000000	0.00000000
## NumberComplexSynsets	0.000000000	0.00000000
## LengthInLetters	0.000000000	0.00000000
## Ncount	0.000000000	0.00000000
## MeanBigramFrequency	0.000000000	0.00000000
## FrequencyInitialDiphone	0.000000000	0.00000000
## ConspelV	0.000000000	0.00000000
## ConspelN	0.000000000	0.00000000
## ConphonV	0.000000000	0.00000000
## ConphonN	0.000000000	0.00000000
## ConfriendsV	0.000000000	0.00000000

## ConfriendsN	0.000000000	0.000000000
## ConffV	0.000000000	0.000000000
## ConffN	0.000000000	0.000000000
## ConfbV	0.000000000	0.000000000
## ConfbN	0.000000000	0.000000000
## NounFrequency	0.000000000	0.000000000
## VerbFrequency	0.000000000	0.000000000
## FrequencyInitialDiphoneWord	0.000000000	0.000000000
## FrequencyInitialDiphoneSyllable	0.000000000	0.000000000
## CorrectLexdec	-0.030874694	-0.03345064
##	NumberSimplexSynsets	NumberComplexSynsets
## RTlexdec	0.01344899	0.03760419
## RTnaming	-0.10092833	-0.07190478
## Familiarity	0.000000000	0.000000000
## WrittenFrequency	0.000000000	0.000000000
## WrittenSpokenFrequencyRatio	0.000000000	0.000000000
## FamilySize	0.000000000	0.000000000
## DerivationalEntropy	0.000000000	0.000000000
## InflectionalEntropy	0.000000000	0.000000000
## NumberSimplexSynsets	0.000000000	0.000000000
## NumberComplexSynsets	0.000000000	0.000000000
## LengthInLetters	0.000000000	0.000000000
## Ncount	0.000000000	0.000000000
## MeanBigramFrequency	0.000000000	0.000000000
## FrequencyInitialDiphone	0.000000000	0.000000000
## ConspelV	0.000000000	0.000000000
## ConspelN	0.000000000	0.000000000
## ConphonV	0.000000000	0.000000000
## ConphonN	0.000000000	0.000000000
## ConfriendsV	0.000000000	0.000000000
## ConfriendsN	0.000000000	0.000000000
## ConffV	0.000000000	0.000000000
## ConffN	0.000000000	0.000000000
## ConfbV	0.000000000	0.000000000
## ConfbN	0.000000000	0.000000000
## NounFrequency	0.000000000	0.000000000
## VerbFrequency	0.000000000	0.000000000
## FrequencyInitialDiphoneWord	0.000000000	0.000000000
## FrequencyInitialDiphoneSyllable	0.000000000	0.000000000
## CorrectLexdec	-0.05224059	-0.06744087
##	LengthInLetters	Ncount
## RTlexdec	0.003970485	0.005582920
## RTnaming	-0.043257488	0.055407177
## Familiarity	0.000000000	0.000000000
## WrittenFrequency	0.000000000	0.000000000
## WrittenSpokenFrequencyRatio	0.000000000	0.000000000
## FamilySize	0.000000000	0.000000000
## DerivationalEntropy	0.000000000	0.000000000
## InflectionalEntropy	0.000000000	0.000000000
## NumberSimplexSynsets	0.000000000	0.000000000
## NumberComplexSynsets	0.000000000	0.000000000
## LengthInLetters	0.000000000	0.000000000
## Ncount	0.000000000	0.000000000
## MeanBigramFrequency	0.000000000	0.000000000

## FrequencyInitialDiphone	0.000000000	0.000000000
## ConspelV	0.000000000	0.000000000
## ConspelN	0.000000000	0.000000000
## ConphonV	0.000000000	0.000000000
## ConphonN	0.000000000	0.000000000
## ConfriendsV	0.000000000	0.000000000
## ConfriendsN	0.000000000	0.000000000
## ConffV	0.000000000	0.000000000
## ConffN	0.000000000	0.000000000
## ConfbV	0.000000000	0.000000000
## ConfbN	0.000000000	0.000000000
## NounFrequency	0.000000000	0.000000000
## VerbFrequency	0.000000000	0.000000000
## FrequencyInitialDiphoneWord	0.000000000	0.000000000
## FrequencyInitialDiphoneSyllable	0.000000000	0.000000000
## CorrectLexdec	0.004158661	-0.008460476
##	MeanBigramFrequency	
## RTlexdec	-0.005283084	
## RTnaming	-0.027976665	
## Familiarity	0.000000000	
## WrittenFrequency	0.000000000	
## WrittenSpokenFrequencyRatio	0.000000000	
## FamilySize	0.000000000	
## DerivationalEntropy	0.000000000	
## InflectionalEntropy	0.000000000	
## NumberSimplexSynsets	0.000000000	
## NumberComplexSynsets	0.000000000	
## LengthInLetters	0.000000000	
## Ncount	0.000000000	
## MeanBigramFrequency	0.000000000	
## FrequencyInitialDiphone	0.000000000	
## ConspelV	0.000000000	
## ConspelN	0.000000000	
## ConphonV	0.000000000	
## ConphonN	0.000000000	
## ConfriendsV	0.000000000	
## ConfriendsN	0.000000000	
## ConffV	0.000000000	
## ConffN	0.000000000	
## ConfbV	0.000000000	
## ConfbN	0.000000000	
## NounFrequency	0.000000000	
## VerbFrequency	0.000000000	
## FrequencyInitialDiphoneWord	0.000000000	
## FrequencyInitialDiphoneSyllable	0.000000000	
## CorrectLexdec	-0.007369094	
##	FrequencyInitialDiphone	ConspelV
## RTlexdec	-0.04493013	0.007644183
## RTnaming	0.06140205	-0.039875118
## Familiarity	0.00000000	0.000000000
## WrittenFrequency	0.00000000	0.000000000
## WrittenSpokenFrequencyRatio	0.00000000	0.000000000
## FamilySize	0.00000000	0.000000000
## DerivationalEntropy	0.00000000	0.000000000

## InflectionalEntropy	0.00000000	0.00000000	
## NumberSimplexSynsets	0.00000000	0.00000000	
## NumberComplexSynsets	0.00000000	0.00000000	
## LengthInLetters	0.00000000	0.00000000	
## Ncount	0.00000000	0.00000000	
## MeanBigramFrequency	0.00000000	0.00000000	
## FrequencyInitialDiphone	0.00000000	0.00000000	
## ConspelV	0.00000000	0.00000000	
## ConspelN	0.00000000	0.00000000	
## ConphonV	0.00000000	0.00000000	
## ConphonN	0.00000000	0.00000000	
## ConfriendsV	0.00000000	0.00000000	
## ConfriendsN	0.00000000	0.00000000	
## ConffV	0.00000000	0.00000000	
## ConffN	0.00000000	0.00000000	
## ConfbV	0.00000000	0.00000000	
## ConfbN	0.00000000	0.00000000	
## NounFrequency	0.00000000	0.00000000	
## VerbFrequency	0.00000000	0.00000000	
## FrequencyInitialDiphoneWord	0.00000000	0.00000000	
## FrequencyInitialDiphoneSyllable	0.00000000	0.00000000	
## CorrectLexdec	-0.02610668	0.021457088	
##	ConspelN	ConphonV	ConphonN
## RTlexdec	0.011181913	0.01367560	-0.003630847
## RTnaming	-0.039228492	-0.04747100	-0.041792508
## Familiarity	0.000000000	0.000000000	0.000000000
## WrittenFrequency	0.000000000	0.000000000	0.000000000
## WrittenSpokenFrequencyRatio	0.000000000	0.000000000	0.000000000
## FamilySize	0.000000000	0.000000000	0.000000000
## DerivationalEntropy	0.000000000	0.000000000	0.000000000
## InflectionalEntropy	0.000000000	0.000000000	0.000000000
## NumberSimplexSynsets	0.000000000	0.000000000	0.000000000
## NumberComplexSynsets	0.000000000	0.000000000	0.000000000
## LengthInLetters	0.000000000	0.000000000	0.000000000
## Ncount	0.000000000	0.000000000	0.000000000
## MeanBigramFrequency	0.000000000	0.000000000	0.000000000
## FrequencyInitialDiphone	0.000000000	0.000000000	0.000000000
## ConspelV	0.000000000	0.000000000	0.000000000
## ConspelN	0.000000000	0.000000000	0.000000000
## ConphonV	0.000000000	0.000000000	0.000000000
## ConphonN	0.000000000	0.000000000	0.000000000
## ConfriendsV	0.000000000	0.000000000	0.000000000
## ConfriendsN	0.000000000	0.000000000	0.000000000
## ConffV	0.000000000	0.000000000	0.000000000
## ConffN	0.000000000	0.000000000	0.000000000
## ConfbV	0.000000000	0.000000000	0.000000000
## ConfbN	0.000000000	0.000000000	0.000000000
## NounFrequency	0.000000000	0.000000000	0.000000000
## VerbFrequency	0.000000000	0.000000000	0.000000000
## FrequencyInitialDiphoneWord	0.000000000	0.000000000	0.000000000
## FrequencyInitialDiphoneSyllable	0.000000000	0.000000000	0.000000000
## CorrectLexdec	0.009609034	0.00554454	0.021666978
##	ConfriendsV	ConfriendsN	ConffV
## RTlexdec	0.001183683	-0.0003527338	-0.002125561

## RTnaming	-0.031553502	-0.0222358766	-0.020829534
## Familiarity	0.000000000	0.0000000000	0.0000000000
## WrittenFrequency	0.000000000	0.0000000000	0.0000000000
## WrittenSpokenFrequencyRatio	0.000000000	0.0000000000	0.0000000000
## FamilySize	0.000000000	0.0000000000	0.0000000000
## DerivationalEntropy	0.000000000	0.0000000000	0.0000000000
## InflectionalEntropy	0.000000000	0.0000000000	0.0000000000
## NumberSimplexSynsets	0.000000000	0.0000000000	0.0000000000
## NumberComplexSynsets	0.000000000	0.0000000000	0.0000000000
## LengthInLetters	0.000000000	0.0000000000	0.0000000000
## Ncount	0.000000000	0.0000000000	0.0000000000
## MeanBigramFrequency	0.000000000	0.0000000000	0.0000000000
## FrequencyInitialDiphone	0.000000000	0.0000000000	0.0000000000
## ConspelV	0.000000000	0.0000000000	0.0000000000
## ConspelN	0.000000000	0.0000000000	0.0000000000
## ConphonV	0.000000000	0.0000000000	0.0000000000
## ConphonN	0.000000000	0.0000000000	0.0000000000
## ConfriendsV	0.000000000	0.0000000000	0.0000000000
## ConfriendsN	0.000000000	0.0000000000	0.0000000000
## ConffV	0.000000000	0.0000000000	0.0000000000
## ConffN	0.000000000	0.0000000000	0.0000000000
## ConfbV	0.000000000	0.0000000000	0.0000000000
## ConfbN	0.000000000	0.0000000000	0.0000000000
## NounFrequency	0.000000000	0.0000000000	0.0000000000
## VerbFrequency	0.000000000	0.0000000000	0.0000000000
## FrequencyInitialDiphoneWord	0.000000000	0.0000000000	0.0000000000
## FrequencyInitialDiphoneSyllable	0.000000000	0.0000000000	0.0000000000
## CorrectLexdec	0.022808229	0.0125375157	0.010567201
##	ConffN	ConfbV	ConfbN
## RTlexdec	0.003320933	0.02148976	0.019525088
## RTnaming	-0.026394194	-0.03032809	-0.026209252
## Familiarity	0.000000000	0.000000000	0.0000000000
## WrittenFrequency	0.000000000	0.000000000	0.0000000000
## WrittenSpokenFrequencyRatio	0.000000000	0.000000000	0.0000000000
## FamilySize	0.000000000	0.000000000	0.0000000000
## DerivationalEntropy	0.000000000	0.000000000	0.0000000000
## InflectionalEntropy	0.000000000	0.000000000	0.0000000000
## NumberSimplexSynsets	0.000000000	0.000000000	0.0000000000
## NumberComplexSynsets	0.000000000	0.000000000	0.0000000000
## LengthInLetters	0.000000000	0.000000000	0.0000000000
## Ncount	0.000000000	0.000000000	0.0000000000
## MeanBigramFrequency	0.000000000	0.000000000	0.0000000000
## FrequencyInitialDiphone	0.000000000	0.000000000	0.0000000000
## ConspelV	0.000000000	0.000000000	0.0000000000
## ConspelN	0.000000000	0.000000000	0.0000000000
## ConphonV	0.000000000	0.000000000	0.0000000000
## ConphonN	0.000000000	0.000000000	0.0000000000
## ConfriendsV	0.000000000	0.000000000	0.0000000000
## ConfriendsN	0.000000000	0.000000000	0.0000000000
## ConffV	0.000000000	0.000000000	0.0000000000
## ConffN	0.000000000	0.000000000	0.0000000000
## ConfbV	0.000000000	0.000000000	0.0000000000
## ConfbN	0.000000000	0.000000000	0.0000000000
## NounFrequency	0.000000000	0.000000000	0.0000000000

## VerbFrequency	0.000000000	0.000000000	0.000000000
## FrequencyInitialDiphoneWord	0.000000000	0.000000000	0.000000000
## FrequencyInitialDiphoneSyllable	0.000000000	0.000000000	0.000000000
## CorrectLexdec	0.010458407	0.01202029	0.003904468
##	NounFrequency	VerbFrequency	
## RTlexdec	0.02564271	0.004003111	
## RTnaming	-0.04112607	0.001412855	
## Familiarity	0.000000000	0.000000000	
## WrittenFrequency	0.000000000	0.000000000	
## WrittenSpokenFrequencyRatio	0.000000000	0.000000000	
## FamilySize	0.000000000	0.000000000	
## DerivationalEntropy	0.000000000	0.000000000	
## InflectionalEntropy	0.000000000	0.000000000	
## NumberSimplexSynsets	0.000000000	0.000000000	
## NumberComplexSynsets	0.000000000	0.000000000	
## LengthInLetters	0.000000000	0.000000000	
## Ncount	0.000000000	0.000000000	
## MeanBigramFrequency	0.000000000	0.000000000	
## FrequencyInitialDiphone	0.000000000	0.000000000	
## ConspelV	0.000000000	0.000000000	
## ConspelN	0.000000000	0.000000000	
## ConphonV	0.000000000	0.000000000	
## ConphonN	0.000000000	0.000000000	
## ConfriendsV	0.000000000	0.000000000	
## ConfriendsN	0.000000000	0.000000000	
## ConffV	0.000000000	0.000000000	
## ConffN	0.000000000	0.000000000	
## ConfbV	0.000000000	0.000000000	
## ConfbN	0.000000000	0.000000000	
## NounFrequency	0.000000000	0.000000000	
## VerbFrequency	0.000000000	0.000000000	
## FrequencyInitialDiphoneWord	0.000000000	0.000000000	
## FrequencyInitialDiphoneSyllable	0.000000000	0.000000000	
## CorrectLexdec	-0.03054532	-0.017706399	
##	FrequencyInitialDiphoneWord		
## RTlexdec		-0.017229562	
## RTnaming		-0.045748605	
## Familiarity		0.000000000	
## WrittenFrequency		0.000000000	
## WrittenSpokenFrequencyRatio		0.000000000	
## FamilySize		0.000000000	
## DerivationalEntropy		0.000000000	
## InflectionalEntropy		0.000000000	
## NumberSimplexSynsets		0.000000000	
## NumberComplexSynsets		0.000000000	
## LengthInLetters		0.000000000	
## Ncount		0.000000000	
## MeanBigramFrequency		0.000000000	
## FrequencyInitialDiphone		0.000000000	
## ConspelV		0.000000000	
## ConspelN		0.000000000	
## ConphonV		0.000000000	
## ConphonN		0.000000000	
## ConfriendsV		0.000000000	

## ConfriendsN	0.000000000
## ConffV	0.000000000
## ConffN	0.000000000
## ConfbV	0.000000000
## ConfbN	0.000000000
## NounFrequency	0.000000000
## VerbFrequency	0.000000000
## FrequencyInitialDiphoneWord	0.000000000
## FrequencyInitialDiphoneSyllable	0.000000000
## CorrectLexdec	0.001425028
##	FrequencyInitialDiphoneSyllable
## RTlexdec	-0.014870929
## RTnaming	-0.048939592
## Familiarity	0.000000000
## WrittenFrequency	0.000000000
## WrittenSpokenFrequencyRatio	0.000000000
## FamilySize	0.000000000
## DerivationalEntropy	0.000000000
## InflectionalEntropy	0.000000000
## NumberSimplexSynsets	0.000000000
## NumberComplexSynsets	0.000000000
## LengthInLetters	0.000000000
## Ncount	0.000000000
## MeanBigramFrequency	0.000000000
## FrequencyInitialDiphone	0.000000000
## ConspelV	0.000000000
## ConspelN	0.000000000
## ConphonV	0.000000000
## ConphonN	0.000000000
## ConfriendsV	0.000000000
## ConfriendsN	0.000000000
## ConffV	0.000000000
## ConffN	0.000000000
## ConfbV	0.000000000
## ConfbN	0.000000000
## NounFrequency	0.000000000
## VerbFrequency	0.000000000
## FrequencyInitialDiphoneWord	0.000000000
## FrequencyInitialDiphoneSyllable	0.000000000
## CorrectLexdec	0.001633701
##	CorrectLexdec
## RTlexdec	-0.055671350
## RTnaming	-0.132557125
## Familiarity	-0.154048437
## WrittenFrequency	-0.100432471
## WrittenSpokenFrequencyRatio	0.035191538
## FamilySize	-0.062268940
## DerivationalEntropy	-0.030874694
## InflectionalEntropy	-0.033450636
## NumberSimplexSynsets	-0.052240594
## NumberComplexSynsets	-0.067440872
## LengthInLetters	0.004158661
## Ncount	-0.008460476
## MeanBigramFrequency	-0.007369094

## FrequencyInitialDiphone	-0.026106677
## ConspelV	0.021457088
## ConspelN	0.009609034
## ConphonV	0.005544540
## ConphonN	0.021666978
## ConfriendsV	0.022808229
## ConfriendsN	0.012537516
## ConffV	0.010567201
## ConffN	0.010458407
## ConfbV	0.012020288
## ConfbN	0.003904468
## NounFrequency	-0.030545323
## VerbFrequency	-0.017706399
## FrequencyInitialDiphoneWord	0.001425028
## FrequencyInitialDiphoneSyllable	0.001633701
## CorrectLexdec	0.000000000