

# Статистический анализ влияния высшего образования и запаса слов на мнение в отношении к эффекту прирожденной способности на человеческих различиях

Мой друг в России сказал мне о наборе данных из General Society Survey (GSS) который является социальным научным изучением в Америке. В частности он спросил если я могу проводить статистический анализ использующий такие данные. Он интересуется с степенью с которой отличие между реальным интеллектом и высшее образованием относится в отношении к точке зрения на отличия в людях из-за прирожденной способности. В отношении к этому, в этом наборе данных, существуют три параметра - 1) `racdif2` (DIFFERENCES DUE TO INBORN DISABILITY), 2) `wordsum` (NUMBER WORDS CORRECT IN VOCABULARY TEST), 3) `degree` (RS HIGHEST DEGREE).

Что моему другу интересует по более математическому языку - эти величины

**Корреляция**(`wordsum`, `racdif2` | `degree` ∈ {промежуток малый достаточно})

и

**Корреляция**(`degree`, `racdif2` | `wordsum` ∈ {промежуток малый достаточно})

Ниже мы запустим код использующий библиотеку с функцией читающий sav файл.

```
In [77]: #savFileName = "GSS7214_R3.sav"
savFileName = "GSS2008.sav"
import pyreadstat

df, meta = pyreadstat.read_sav(savFileName)

# done! let's see what we got
print(df.head())
print(meta.column_names)
print(meta.column_labels)
print(meta.column_names_to_labels)
#print(meta.number_rows)
#print(meta.number_columns)
#print(meta.file_label)
#print(meta.file_encoding)
df
```

	vpsu	vstrat	mar1	mar2	mar3	mar4	mar5	mar6	mar7	mar8	...	\
0	1.0	2106.0	2.0	5.0	NaN	NaN	NaN	NaN	NaN	NaN	...	
1	1.0	2106.0	1.0	NaN	NaN	NaN	NaN	NaN	NaN	NaN	...	
2	1.0	2106.0	1.0	1.0	NaN	NaN	NaN	NaN	NaN	NaN	...	
3	1.0	2106.0	5.0	3.0	5.0	NaN	NaN	NaN	NaN	NaN	...	
4	2.0	2106.0	4.0	NaN	NaN	NaN	NaN	NaN	NaN	NaN	...	

	RELACTIV1	CONSENT	size	xnorcsiz	srcbelt	realinc	realrinc	\
0	1.0	1.0	8008.0	1.0	1.0	4016.25	NaN	
1	NaN	1.0	8008.0	1.0	1.0	64260.00	44178.750	
2	1.0	1.0	8008.0	1.0	1.0	24097.50	24097.500	

3	9.0	1.0	8008.0	1.0	1.0	20081.25	8701.875
4	NaN	1.0	8008.0	1.0	1.0	17403.75	17403.750

	coninc	conrinc	churhpow
0	6228.75	NaN	1.0
1	99660.00	68516.250	NaN
2	37372.50	37372.500	2.0
3	31143.75	13495.625	4.0
4	26991.25	26991.250	NaN

[5 rows x 843 columns]

[ 'vpsu', 'vstrat', 'mar1', 'mar2', 'mar3', 'mar4', 'mar5', 'mar6', 'mar7', 'mar8', 'mar11', 'mar12', 'mar13', 'abany', 'abdefctw', 'abdefect', 'abhlth', 'abnomore', 'abpoor', 'abpoorw', 'abrape', 'absingle', 'acqntsex', 'ADOPTKID', 'adults', 'advfront', 'affrmact', 'afterlif', 'age', 'AGECMEUS', 'aged', 'agekdbn', 'ANCESTRS', 'ANHEAT', 'ANSCITST', 'astrosci', 'attend', 'attend12', 'attendma', 'attendpa', 'ATTRACTD', 'autonojb', 'away1', 'away11', 'away12', 'away2', 'away3', 'away4', 'away5', 'away6', 'away7', 'away8', 'away9', 'babies', 'ballot', 'balneg', 'balpos', 'betrlang', 'bible', 'bigbang', 'BIZGROSS', 'bizshare', 'blkwhite', 'BMITZVAH', 'born', 'BORNSP', 'boyorgrl', 'cantrust', 'cappun', 'childs', 'chldidel', 'class', 'clerggov', 'clergvte', 'closeblk', 'closewht', 'clrggen1', 'clrggen2', 'clrggen3', 'clrgmar1', 'clrgmar2', 'clrgmar3', 'clrgmode', 'clrgsex1', 'clrgsex2', 'clrgsex3', 'CLSCSEX', 'cohort', 'colath', 'colcom', 'coldeg1', 'colhomo', 'colmil', 'COLMSLM', 'colrac', 'colsci', 'colscinm', 'COMFORT', 'comprend', 'conarmy', 'conbiz', 'conbus', 'conchurh', 'conclerg', 'concong', 'concou rt', 'condom', 'condrift', 'coneduc', 'confed', 'confinan', 'conjudge', 'conlabo r', 'conlegis', 'conmedic', 'conpress', 'conschls', 'consci', 'contv', 'coop', 'counsell', 'counsel2', 'counsel3', 'courts', 'crack30', 'cshutyp06', 'CUREMPY R', 'dateintv', 'DAYNIGHT', 'degree', 'denkid', 'denom', 'denom16', 'densp', 'di scaff', 'discaffm', 'discaffw', 'divlaw', 'divorce', 'DONE911A', 'DONE911B', 'DO NE911C', 'DONE911D', 'DONE911E', 'DONE911F', 'DONE911G', 'DONE911H', 'DONE911I', 'DONE911J', 'DONE911K', 'DONE911L', 'DONE911M', 'DONE911N', 'doneelse', 'DWELL 5', 'dwelling', 'dwelown', 'earns', 'earthsun', 'educ', 'EFF911A', 'EFF911B', 'EFF911C', 'EFF911D', 'EFF911E', 'EFF911F', 'EFF911G', 'EFF911H', 'EFF911I', 'EF F911J', 'EFF911K', 'EFF911L', 'EFF911M', 'EFF911N', 'egomeans', 'electron', 'EMP HLTH', 'EMPHLTH1', 'EMPHLTH2', 'EMPHPLAN', 'eqwlth', 'EROSION', 'eth1', 'eth2', 'eth3', 'ethnic', 'ethnum', 'evcrack', 'EVDWELL', 'EVHARJB', 'evidu', 'EVKID', 'EVLOSEJB', 'EVNEGJOB', 'evolved', 'evpaidsx', 'evstray', 'evwork', 'expdesgn', 'exptext', 'fair', 'famdif16', 'famgen', 'family16', 'fatalism', 'fear', 'fechl d', 'feelrel', 'fefam', 'fehire', 'fejobaff', 'fepol', 'fepres', 'fepresch', 'fi nalter', 'FINDNWJB', 'finrela', 'FISHEXP1', 'FISHEXP2', 'form', 'formwt', 'frndk ing', 'frndsex', 'FUCITZN', 'fund', 'fund16', 'gender1', 'gender10', 'gender11', 'gender12', 'gender13', 'gender2', 'gender3', 'gender4', 'gender5', 'gender6', 'gender7', 'gender8', 'gender9', 'GENES', 'GEOMOBIL', 'getahead', 'GILLS', 'go d', 'godchnge', 'godmeans', 'GOLDFISH', 'goodlife', 'goveqinc', 'granborn', 'gra ss', 'gunlaw', 'H2OLIFE', 'hapmar', 'happy', 'hapunhap', 'HARJOB5', 'harmgood', 'HARSEXCL', 'HARSEXJB', 'health', 'heaven', 'hefinfo', 'hell', 'helpblk', 'helpf ul', 'helpnot', 'helpoth', 'helppoor', 'helpsick', 'hhrace', 'hhtype', 'hhtype 1', 'hispanic', 'hivtest', 'hivtest1', 'hivtest2', 'HLTHCOVR', 'HLTHTYPE', 'homo sex', 'homosex1', 'hompop', 'hotcore', 'hrs1', 'hrs2', 'hsbio', 'hschem', 'hsmat h', 'hsphys', 'hubbywrk', 'hunt', 'HUSHREL1', 'HUSHREL2', 'id', 'idu30', 'if04wh o', 'incgap', 'INCLSTJB', 'incom16', 'income', 'income06', 'indus80', 'inequal 3', 'inequal5', 'INTECON', 'INTEDUC', 'INTENVIR', 'INTFARM', 'inthisp', 'INTINT L', 'intlblks', 'INTLCOWK', 'intlwhts', 'INTMED', 'INTMIL', 'intracel', 'intrac e2', 'intrhome', 'INTSCI', 'INTSPACE', 'INTTECH', 'isco681', 'isco88', 'issp', 'j ew', 'jew16', 'jobfind', 'joblose', 'judgeluv', 'KD1JWOTH', 'kd1relig', 'KD2JWOT H', 'kd2relig', 'KD3JWOTH', 'kd3relig', 'KD4JWOTH', 'kd4relig', 'KD5JWOTH', 'kd5 relig', 'kd6relig', 'kd7relig', 'kd8relig', 'KIDLIVED', 'KIDNOW1', 'KIDNOW2', 'K IDRESP', 'kidssol', 'KNWCLSEX', 'lasers', 'LASTYRWK', 'LEAVEJB', 'letdiel', 'let diely', 'letin1', 'LFTPLANE', 'libath', 'libcom', 'libhomo', 'libmil', 'LIBMSL M', 'librac', 'life', 'litmstxt', 'liveblks', 'livewhts', 'localnum', 'LOSEJB1 2', 'LOSEJOB5', 'LOSTJOBS', 'maboygrl', 'madeg', 'madenkid', 'maeduc', 'maind8 0', 'maisc681', 'maisco88', 'majew', 'majorcol', 'MAJWOTH', 'MAKEFRND', 'maocc8 0', 'mapa', 'mapres80', 'marasian', 'marblk', 'marelig', 'marelkid', 'marhisp', 'marhomo', 'marital', 'MARUNION', 'marwht', 'masei', 'mastersp', 'matesex', 'maw

rkgrw', 'mawrkslf', 'MEETF2F1', 'MEETF2F2', 'meovrwrk', 'miracles', 'mobile16', 'MORETRDE', 'MYKIDS', 'MYWAYGOD', 'NANOBEN', 'NANOHARM', 'nanoknw1', 'nanoknw2', 'nanotech', 'nanowill', 'nataid', 'nataidy', 'natarms', 'natarmsy', 'natchld', 'natcity', 'natcityy', 'natcrime', 'natcrim', 'NATDEG', 'natdrug', 'natdrugy', 'nateduc', 'nateducy', 'natenvir', 'natenviy', 'natfare', 'natfarey', 'natheal', 'nathealy', 'natmass', 'natpark', 'natrace', 'natracey', 'natroad', 'natsci', 'natatoc', 'natpac', 'natspacy', 'NEGJOB5', 'NEWJOBS', 'news', 'newsfrom', 'nextgen', 'nihilism', 'NIRVANA', 'NUMCLERG', 'numemps', 'NUMEMPS5', 'nummen', 'NUMOW', 'numwomen', 'obey', 'occ80', 'odds1', 'odds2', 'old1', 'old10', 'old11', 'old12', 'old13', 'old2', 'old3', 'old4', 'old5', 'old6', 'old7', 'old8', 'old9', 'ONGOREL1', 'ONGOREL2', 'ONGOREL3', 'OPENREL1', 'OPENREL2', 'OPENREL3', 'oth16', 'other', 'othersex', 'OTHJEW', 'OTHJEW16', 'OTHKIDS', 'othlang', 'othlang1', 'othlang2', 'OTHPLAN', 'oversamp', 'OWNBIZ', 'OWNCLERG', 'owngun', 'OWNINC', 'padeg', 'padenkid', 'paeduc', 'PAIDEMPS', 'paidsex', 'pained80', 'paisc681', 'paisco88', 'pajew', 'PAJWOTH', 'paocc80', 'papres80', 'parborn', 'parelig', 'parelkid', 'parsol', 'partfull', 'partners', 'partnrs5', 'partyid', 'pasei', 'PASTPAY', 'pawrkslf', 'PAXHAPPY', 'PAYCHNGE', 'permoral', 'PERSCRFC', 'phase', 'phone', 'pikupsex', 'pillok', 'pillok', 'pistol', 'polabuse', 'polattak', 'polescap', 'polhitok', 'polhitoy', 'polmurdr', 'polviews', 'popespks', 'popespky', 'popular', 'pornlaw', 'postlife', 'pray', 'prayer', 'prayfreq', 'premars1', 'premarsx', 'pres04', 'prestg80', 'preteen', 'punsin', 'racdif1', 'racdif2', 'racdif3', 'racdif4', 'race', 'racecen1', 'racecen2', 'racecen3', 'raclive', 'racopen', 'racpres', 'racwork', 'radioact', 'reborn', 'reg16', 'region', 'REINCAR', 'relativ', 'relate1', 'relate10', 'relate11', 'relate12', 'relate13', 'relate2', 'relate3', 'relate4', 'relate5', 'relate6', 'relate7', 'relate8', 'relate9', 'relatsex', 'RELCAN', 'D', 'relexp', 'relexper', 'RELEXT1', 'RELEXT2', 'RELGENDR', 'RELGRPEQ', 'relhh1', 'relhh10', 'relhh11', 'relhh12', 'relhh13', 'relhh2', 'relhh3', 'relhh4', 'relhh5', 'relhh6', 'relhh7', 'relhh8', 'relhh9', 'relhhhd1', 'relhhhd10', 'relhhhd11', 'relhhhd12', 'relhhhd13', 'relhhhd2', 'relhhhd3', 'relhhhd4', 'relhhhd5', 'relhhhd6', 'relhhhd7', 'relhhhd8', 'relhhhd9', 'relig', 'relig16', 'religcon', 'religint', 'religkid', 'religsp', 'reliten', 'rellife', 'RELMARRY', 'relneg', 'RELOBJCT', 'relpersn', 'relsp1', 'relsp10', 'relsp11', 'relsp12', 'relsp2', 'relsp3', 'relsp4', 'relsp5', 'relsp6', 'relsp7', 'relsp8', 'relsp9', 'RELSPRT', 'reltruth', 'res16', 'RES2006', 'respnum', 'richwork', 'rifle', 'RIGHTPEO', 'rincom06', 'rincome', 'rotapple', 'rowngun', 'rplace', 'RSPCTREL', 'rvisitor', 'SALTH20', 'sampcode', 'sample', 'satfin', 'satjob', 'savesoul', 'scibnfts', 'scifrom', 'sciintr', 'o', 'SCIMATH', 'scimode', 'scistudy', 'scitext', 'seeksci', 'SEESAND', 'sei', 'sex', 'sexeduc', 'sexfreq', 'SEXORNT', 'sexsex', 'SEXSEX18', 'sexsex5', 'SEXUNIO', 'N', 'shotgun', 'sibs', 'socbar', 'socfrend', 'socommun', 'socrel', 'solarrev', 'spaneng', 'spanint', 'spanking', 'spanself', 'spdeg', 'spden', 'speduc', 'spevork', 'spfund', 'sphrs1', 'sphrs2', 'spind80', 'spisc681', 'spisco88', 'spjew', 'spjew16', 'SPJOTH16', 'spjrell16', 'spkath', 'spkcom', 'spkhomo', 'spklang', 'spkmil', 'SPKMSLM', 'spkrac', 'spocc80', 'spother', 'SPOTHJEW', 'SPPART', 'sppres80', 'sprel', 'sprtpsrn', 'spsei', 'spwrkslf', 'spwrksta', 'STARTBIZ', 'stormtxt', 'suicide1', 'suicide2', 'suicide3', 'suicide4', 'SYNMEM', 'tax', 'taxrich', 'taxshare', 'teens', 'teensex', 'theism', 'thnkself', 'TOLDEXP1', 'TOLDEXP2', 'TOLDEXP3', 'toldrel1', 'toldrel2', 'toldrel3', 'TOLDSMSX', 'TOLDSXOR', 'TOLDWORK', 'toofast', 'trust', 'trustsci', 'tvhours', 'TYPEVISA', 'unemp', 'union', 'unrelat', 'UPBREATH', 'USCITZN', 'uswary', 'version', 'viruses', 'VISA', 'VISART', 'visitors', 'VISLIB', 'VISNHIST', 'VISSCI', 'VISTHOLY', 'VISZOO', 'vote04', 'weekswrk', 'WEIGHING', 'where1', 'where11', 'where12', 'where2', 'where3', 'where4', 'where5', 'where6', 'where7', 'where8', 'WHYBIZ', 'whyjbct1', 'whyjbct2', 'WHYLEAVE', 'whylose1', 'whylose2', 'whylose3', 'whynojb1', 'whynojb2', 'widowed', 'WKCOMPTR', 'wksub', 'wksubs', 'wksub', 'wksup', 'wksups', 'wlthblks', 'wlthwhts', 'WOCOMPTR', 'worda', 'wordb', 'wordc', 'wordd', 'worde', 'wordf', 'wordg', 'wordh', 'wordi', 'wordj', 'wordsum', 'WORK3YRS', 'workblks', 'workhard', 'workwhts', 'wrkgovt', 'wrkslf', 'wrkstat', 'wrkwayup', 'wtss', 'wtssall', 'wtssnr', 'xmarsex', 'xmarsex1', 'xmovie', 'year', 'YEARBIZ', 'zodiac', 'intid', 'intage', 'intethn', 'intsex', 'intyrs', 'whoelse1', 'whoelse2', 'whoelse3', 'whoelse4', 'whoelse5', 'whoelse6', 'lngthin', 'feelevel', 'feeused', 'mode', 'RELACTIV1', 'CONSENT', 'size', 'xnorcsiz', 'srcbelt', 'realinc', 'realrinc', 'coninc', 'conrinc', 'churhpow']

['Variance primary sampling unit', 'Variance stratum', 'MARITAL STATUS OF 1ST PERSON', 'MARITAL STATUS OF 2ND PERSON', 'MARITAL STATUS OF 3RD PERSON', 'MARITAL STATUS OF 4TH PERSON', 'MARITAL STATUS OF 5TH PERSON', 'MARITAL STATUS OF 6TH PERSON']

RSON', 'MARITAL STATUS OF 7TH PERSON', 'MARITAL STATUS OF 8TH PERSON', 'MARITAL  
 STATUS OF 11TH PERSON (VISITOR)', 'MARITAL STATUS OF 12TH PERSON (VISITOR)', 'MA  
 RITAL STATUS OF 13TH PERSON (VISITOR)', 'ABORTION IF WOMAN WANTS FOR ANY REASO  
 N', 'WRONG FOR WOMAN TO GET ABORTION FOR BIRTH DEFECTS', 'STRONG CHANCE OF SERIO  
 US DEFECT', 'WOMANS HEALTH SERIOUSLY ENDANGERED', 'MARRIED--WANTS NO MORE CHILDREN',  
 'LOW INCOME--CANT AFFORD MORE CHILDREN', 'WRONG FOR WOMAN TO GET ABORTION I  
 F LOW INCOME?', 'PREGNANT AS RESULT OF RAPE', 'NOT MARRIED', 'R HAD SEX WITH ACQ  
 UAINANCE LAST YEAR', 'HAVE EVER LEGALLY ADOPTED A CHILD', 'HOUSEHOLD MEMBERS 18  
 YRS AND OLDER', 'SCI RSCH IS NECESSARY AND SHOULD BE SUPPORTED BY FEDERAL GOVT',  
 'FAVOR PREFERENCE IN HIRING BLACKS', 'BELIEF IN LIFE AFTER DEATH', 'AGE OF RESPO  
 NDEMENT', 'IF BORN OUTSIDE USA, WHAT AGE WERE YOU WHEN YOU PERMANENTLY MOVED TO US  
 A', 'SHOULD AGED LIVE WITH THEIR CHILDREN', 'R'S AGE WHEN 1ST CHILD BORN', 'BELI  
 EVE IN SUPERNATURAL POWER OF DECEASED ANCESTORS', 'WHICH BODILY FEATURES BE BEST  
 SUITED TO A SMALL ANIMAL LIVING IN A COLD CLIMATE', 'SCIENTISTS SHLD BE ALLOWED  
 TO DO RESEARCH ANIMALS' PAIN & INJURY', 'ASTROLOGY IS SCIENTIFIC', 'HOW OFTEN R  
 ATTENDS RELIGIOUS SERVICES', 'FREQ OF R'S RELIG SVC ATTENDANCE AT AGE 12', 'FREQ  
 OF R'S MOM'S RELIG SVC ATTENDANCE', 'FREQ OF R'S DAD'S RELIG SVC ATTENDANCE', 'A  
 T WHAT AGE WERE YOU FIRST SEXUALLY ATTRACTED TO SAME SEX', 'R HEARD OF PERSONS I  
 N R'S FIRM HAVING JOBS REPLACED BY COMPUTERS', 'IS 1ST PERSON STAYING SOMEWHERE  
 ELSE NOW?', 'IS 11TH PERSON (VISITOR) STAYING ELSEWHERE NOW?', 'IS 12TH PERSON  
 (VISITOR) STAYING ELSEWHERE NOW?', 'IS 2ND PERSON STAYING SOMEWHERE ELSE NOW?',  
 'IS 3RD PERSON STAYING SOMEWHERE ELSE NOW?', 'IS 4TH PERSON STAYING SOMEWHERE EL  
 SE NOW?', 'IS 5TH PERSON STAYING SOMEWHERE ELSE NOW?', 'IS 6TH PERSON STAYING SO  
 MEWHERE ELSE NOW?', 'IS 7TH PERSON STAYING SOMEWHERE ELSE NOW?', 'IS 8TH PERSON  
 STAYING SOMEWHERE ELSE NOW?', 'IS 9TH PERSON STAYING SOMEWHERE ELSE NOW?', 'HOUS  
 EHOOLD MEMBERS LESS THAN 6 YRS OLD', 'BALLOT USED FOR INTERVIEW', 'SCI RESEARCH I  
 S STRONGLY IN FAVOR OF HARMFUL RESULTS', 'SCI RESEARCH IS STRONGLY IN FAVOR OF B  
 ENEFITS', 'Which language R speaks more fluent', 'FEELINGS ABOUT THE BIBLE', 'SC  
 I KNOWLEDGE:THE UNIVERSE BEGAN WITH A HUGE EXPLOSION', 'BUSINESS REVENUE LAST YE  
 AR', 'PERCENTAGE OWNERSHIP R HOLDS', 'R AGREES RIGHT & WRONG NOT BLACK & WHITE',  
 'R HAD BAR OR BAT MITZVAH WHEN R WAS A CHILD', 'WAS R BORN IN THIS COUNTRY', 'IN  
 WHAT COUNTRY WERE YOU BORN', 'SCI KNOWLEDGE:FATHER GENE DECIDES SEX OF BABY', 'P  
 OEPL CAN BE TRUSTED OR CANT BE TOO CAREFUL', 'FAVOR OR OPPOSE DEATH PENALTY FOR  
 MURDER', 'NUMBER OF CHILDREN', 'IDEAL NUMBER OF CHILDREN', 'SUBJECTIVE CLASS IDE  
 NTIFICATION', 'CLERGY SHOULDN'T TRY TO INFLUENCE GOVT DECISIONS', 'CLERGY SHOULD  
 N'T TRY TO INFLUENCE VOTERS', 'HOW CLOSE FEEL TO BLACKS', 'HOW CLOSE FEEL TO WHI  
 TES', 'SEX OF LEADER1', 'SEX OF LEADER2', 'SEX OF LEADER3', 'LEADER1 WAS MARRIED  
 AT THE TIME', 'LEADER2 WAS MARRIED AT THE TIME', 'LEADER3 WAS MARRIED AT THE TIM  
 E', 'WAS SAQ SELF ADMINISTERED OR INTERVIEW ADMINISTERED', 'R HAD SEXUAL CONTACT  
 WITH LEADER1', 'R HAD SEXUAL CONTACT WITH LEADER2', 'R HAD SEXUAL CONTACT WITH L  
 EADER3', 'ANY OF THEM WERE CLOSE FRIENDS OR FAMILY MEMBERS', 'YEAR OF BIRTH', 'A  
 LLOW ANTI-RELIGIONIST TO TEACH', 'SHOULD COMMUNIST TEACHER BE FIRED', 'THE HIGHE  
 ST DEGREE R HAVE EARNED', 'ALLOW HOMOSEXUAL TO TEACH', 'ALLOW MILITARIST TO TEAC  
 H', 'ALLOW ANTI-AMERICAN MUSLIM CLERGYMEN TEACHING IN COLLEGE', 'ALLOW RACIST TO  
 TEACH', 'R HAS TAKEN ANY COLLEGE-LEVEL SCI COURSE', 'NUMBER OF COLLEGE-LEVEL SCI  
 COURSES R HAVE TAKEN', 'RELIGION HELPS PEOPLE TO GAIN COMFORT IN TIMES OF TROUBL  
 E AND SORROW', 'RS UNDERSTANDING OF QUESTIONS', 'CONFIDENCE IN MILITARY', 'CONFI  
 DENCE IN BUSINESS AND INDUSTRY', 'CONFIDENCE IN MAJOR COMPANIES', 'CONFIDENCE IN  
 CHURCHES AND RELIGIOUS ORGS', 'CONFIDENCE IN ORGANIZED RELIGION', 'CONFIDENCE IN  
 US CONGRESS', 'CONFIDENCE IN COURTS AND LEGAL SYSTEM', 'USED CONDOM LAST TIME',  
 'SCI KNOWLEDGE:THE CONTINENTS HAVE BEEN MOVING', 'CONFIDENCE IN EDUCATION', 'CON  
 FID. IN EXEC BRANCH OF FED GOVT', 'CONFID IN BANKS & FINANCIAL INSTITUTIONS', 'C  
 ONFID. IN UNITED STATES SUPREME COURT', 'CONFIDENCE IN ORGANIZED LABOR', 'CONFID  
 ENCE IN CONGRESS', 'CONFIDENCE IN MEDICINE', 'CONFIDENCE IN PRESS', 'CONFIDENCE  
 IN SCHOOLS AND EDUC SYSTEM', 'CONFIDENCE IN SCIENTIFIC COMMUNITY', 'CONFIDENCE I  
 N TELEVISION', 'RS ATTITUDE TOWARD INTERVIEW', 'LEADER1 WAS R'S COUNSELOR', 'LEA  
 DER2 WAS R'S COUNSELOR', 'LEADER3 WAS R'S COUNSELOR', 'COURTS DEALING WITH CRIMI  
 NALS', 'R LAST USE CRACK COCAINE', 'DURING MARCH-MAY 2006, WAS R RESIDENT IN HOU  
 SEHOLD OR INSTITUTION', 'HOW MANY YRS R WORKED FOR CURRENT EMPLOYER', 'DATE OF I  
 NTERVIEW', 'WHEN DID MOST ERRORS OCCUR', 'RS HIGHEST DEGREE', 'IF PROTESTANT, DE  
 NOMINATION R RAISED IN', 'SPECIFIC DENOMINATION', 'DENOMINATION IN WHICH R WAS R  
 AISED', 'IF PROTESTANT, R'S SPOUSE'S DENOMINATION', 'WHITES HURT BY AFF. ACTIO  
 N', 'A MAN WON'T GET A JOB OR PROMOTION', 'A WOMAN WON'T GET A JOB OR PROMOTIO  
 N', 'DIVORCE LAWS', 'EVER BEEN DIVORCED OR SEPARATED', 'HAS R DEVELOPED EMERGENC  
 Y PLANS', 'HAS R STOCKPILED SUPPLIES', 'HAS R PURCHASED THINGS TO MAKED THEM SAF

ER', 'HAS R LEARNED WHERE TO GET MORE INFO ABOUT TERRORISM', 'HAS R DUPLICATED I  
 MPORTANT DOCUMENTS', 'HAS R REDUCED AIR TRAVEL', 'HAS R REDUCED TRAVEL BY TRAI  
 N', 'HAS R REDUCED USE OF PUBLIC TRANSPORTATION', 'HAS R CHANGED MAIL HANDLING P  
 ROCEDURES', 'HAS R BECOME VIGILANT OF WHAT IS GOING ON AROUND R', 'HAS R AVOIDED  
 TRAVEL TO CERTAIN CITIES', 'HAS R AVOIDED TALL BUILDINGS', 'HAS R AVOIDED NATION  
 AL LANDMARKS', 'HAS R DONE ANYTHING ELSE TO DEAL WITH TERRORISM', 'SPECIFY WHAT  
 IT IS R HAS DONE', 'IN LAST 5 YRS, R HAS BEEN PREVENTED FROM MOVING CUZ LANDLORD  
 BELIVED R WAS GAY/LES/BI', 'TYPE OF STRUCTURE', 'DOES R OWN OR RENT HOME?', 'HOW  
 MANY IN FAMILY EARNED MONEY', 'SCI KNOWLEDGE:THE EARTH GOES AROUND THE SUN', 'HI  
 GHEST YEAR OF SCHOOL COMPLETED', 'HOW EFFECTIVE R THINKS DEVELOPING EMERGENCY PL  
 ANS', 'HOW EFFECTIVE R THINKS STOCKPILING SUPPLIES', 'HOW EFFECTIVE R THINKS PUR  
 CHASING THINGS TO MAKE THEM SAFER', 'HOW EFFECTIVE R THINKS LEARNING WHERE TO GE  
 T INFO ABOUT TERRORISM', 'HOW EFFECTIVE R THINKS DUPLICATING IMPORTANT DOCUMENT  
 S', 'HOW EFFECTIVE R THINKS REDUCING AIR TRAVEL', 'HOW EFFECTIVE R THINKS REDUCI  
 NG TRAVEL BY TRAIN', 'HOW EFFECTIVE R THINKS REDUCING USE OF PUBLIC TRANSPORTATI  
 ON', 'HOW EFFECTIVE R THINKS CHANGING MAIL HANDLING PROCEDURES', 'HOW EFFECTIVE  
 R THINKS BECOMING VIGILANT', 'HOW EFFECTIVE R THINKS AVOIDING TRAVEL TO CERTAIN  
 CITIES', 'HOW EFFECTIVE R THINKS AVOIDING TALL BUILDINGS', 'HOW EFFECTIVE R THIN  
 KS AVOIDING NATIONAL LANDMARKS', 'HOW EFFECTIVE R THINKS THAT IS', 'LIFE MEANING  
 FUL ONLY IF YOU PROVIDE MEANING', 'SCI KNOWLEDGE:ELECTRONS ARE SMALLER THAN ATOM  
 S', 'DO YOU RECEIVE HEALTH INSURANCE FROM EMPLOYER', 'CURRENT EMPLOYER OFFER HEA  
 LTH CARE INSURANCE TO R AS EMPLOYEE', 'EMPLOYER'S COVERAGE', 'NAME OF INSURANCE  
 OR HMO', 'SHOULD GOVT REDUCE INCOME DIFFERENCES', 'EXAMPLE OF EROSION', '1ST MEN  
 TIONED COUNTRY OF ORIGIN', '2ND MENTIONED COUNTRY OF ORIGIN', '3RD MENTIONED COU  
 NTRY OF ORIGIN', 'COUNTRY OF FAMILY ORIGIN', 'TYPE OF RESPONSE ABOUT ETHNICITY -  
 - R', 'R EVER USE CRACK COCAINE', 'IN LIFE, R HAS EVER BEEN PREVENTED FROM MOVIN  
 G CUZ LANDLORD BELIVED R WAS GAY/LES/BI', 'IN LIFE, R HAS EVER BEEN HARRASSED ON  
 JOB CUZ R WAS BELIEVED TO BE GAY/LES/BI', 'R EVER INJECT DRUGS', 'HAVE EVER GIVE  
 N BIRTH TO/FATHERED A CHILD', 'IN LIFE, R HAS EVER BEEN DENIED A JOB OR FIRED CU  
 Z EMPLOYERS BELIEVED R WAS GAY/LES/BI', 'IN LIFE, R EVER BEEN DENIED PROMO OR RE  
 CVD BAD EVALUATION CUZ EMPLOYR BELIVD R WAS GAY/LES/BI', 'SCI KNOWLEDGE:HUMAN BE  
 INGS DEVELOPED FROM ANIMALS', 'EVER HAVE SEX PAID FOR OR BEING PAID SINCE 18',  
 'HAVE SEX OTHER THAN SPOUSE WHILE MARRIED', 'EVER WORK AS LONG AS ONE YEAR', 'BE  
 TTER WAY TO TEST DRUG BTW CONTROL AND NON-CONTROL', 'WHY IS IT BETTER TO TEST DR  
 UG THIS WAY', 'PEOPLE FAIR OR TRY TO TAKE ADVANTAGE', 'REASON NOT LIVING WITH PA  
 RENTS', 'NUMBER OF FAMILY GENERATIONS IN HOUSEHOLD', 'LIVING WITH PARENTS WHEN 1  
 6 YRS OLD', 'PEOPLE CAN'T CHANGE THE COURSE OF THEIR LIVES', 'AFRAID TO WALK AT  
 NIGHT IN NEIGHBORHOOD', 'MOTHER WORKING DOESNT HURT CHILDREN', 'HOW RELIGIOUS IS  
 R', 'BETTER FOR MAN TO WORK, WOMAN TEND HOME', 'SHOULD HIRE AND PROMOTE WOMEN',  
 'FOR OR AGAINST PREFERENTIAL HIRING OF WOMEN', 'WOMEN NOT SUITED FOR POLITICS',  
 'VOTE FOR WOMAN PRESIDENT', 'PRESCHOOL KIDS SUFFER IF MOTHER WORKS', 'CHANGE IN  
 FINANCIAL SITUATION', 'HOW LIKELY R TO FIND JOB WITH SAME/BETTER BENEFIT', 'OPIN  
 ION OF FAMILY INCOME', 'WHAT IS SCIENTIST TRYING TO FIND OUT FROM THIS EXPERIMEN  
 T', 'WHY DID YOU CHOOSE THAT ANSWER', 'FORM OF SPLIT QUESTIONNAIRE ASKED', 'Weig  
 ht deal with experimental randomization', 'CONTRAST BETWEEN FRIEND AND KING', 'R  
 HAD SEX WITH FRIEND LAST YEAR', 'IS R PLANNING/APPLING FOR US CITIZENSHIP OR NO  
 T', 'HOW FUNDAMENTALIST IS R CURRENTLY', 'HOW FUNDAMENTALIST WAS R AT AGE 16',  
 'GENDER OF 1ST PERSON', 'GENDER OF 10TH PERSON', 'GENDER OF 11TH PERSON (VISITO  
 R)', 'GENDER OF 12TH PERSON (VISITOR)', 'GENDER OF 13TH PERSON (VISITOR)', 'GEN  
 DER OF 2ND PERSON', 'GENDER OF 3RD PERSON', 'GENDER OF 4TH PERSON', 'GENDER OF 5T  
 H PERSON', 'GENDER OF 6TH PERSON', 'GENDER OF 7TH PERSON', 'GENDER OF 8TH PERSO  
 N', 'GENDER OF 9TH PERSON', 'TRAITS ARE TRANSFERRED OVER GENERATION', 'HAS R MOV  
 ED FROM ONE KIND OF PLACE TO ANOTHER', 'OPINION OF HOW PEOPLE GET AHEAD', 'HOW F  
 ISH GET OXYGEN', 'RS CONFIDENCE IN THE EXISTENCE OF GOD', 'DESCRIBE YOUR BELIEFS  
 ABOUT GOD', 'LIFE MEANINGFUL BECAUSE GOD EXISTS', 'EXPERIMENT ABOUT GOLDFISH AND  
 TEMPERATURE', 'STANDARD OF LIVING OF R WILL IMPROVE', 'GOVMNT SHOULD REDUCE INC  
 DIFFERENTIALS', 'HOW MANY GRANDPARENTS BORN OUTSIDE U.S.', 'SHOULD MARIJUANA BE  
 MADE LEGAL', 'FAVOR OR OPPOSE GUN PERMITS', 'WHAT PROPERTY OF WATER IS MOST IMPO  
 RTANT', 'HAPPINESS OF MARRIAGE', 'GENERAL HAPPINESS', 'HAPPY OR UNHAPPY WITH LIF  
 E TODAY', 'IN LAST 5 YRS, R HAS EVER BEEN HARRASSED ON JOB CUZ R WAS BELIEVED TO  
 BE GAY/LES/BI', 'MODERN SCIENCE DOES MORE HARM THAN GOOD', 'SINCE 18 R HAS EVER  
 FOUND SELF THE OBJECT OF SEXUAL ADVANCES FROM RELIGIOUS LEADERS', 'R HAS BEEN TH  
 E OBJECT OF SEXUAL ADVANCES/PROPOSITIONS FROM SUPERVISORS', 'CONDITION OF HEALT  
 H', 'BELIEF IN HEAVEN', 'NUMBER OF HEF INFORMANT', 'BELIEF IN HELL', 'SHOULD GOV  
 T AID BLACKS?', 'PEOPLE HELPFUL OR LOOKING OUT FOR SELVES', 'SHOULD GOVT DO MORE

OR LESS?', 'TO HELP OTHERS', 'SHOULD GOVT IMPROVE STANDARD OF LIVING?', 'SHOULD GOVT HELP PAY FOR MEDICAL CARE?', 'RACE OF HOUSEHOLD', 'HOUSEHOLD TYPE', 'HOUSEHOLD TYPE (CONDENSED)', 'HISPANIC SPECIFIED', 'Have you ever been tested for HIV', 'In what month and year was your last HIV test', 'Where did you have your last HIV test', 'R HAS HEALTH INSURANCE COVERAGE', 'SOURCE OF HEALTH INSURANCE', 'HOMOSEXUAL SEX RELATIONS', 'IS HOMOSEXUAL SEX WRONG?', 'NUMBER OF PERSONS IN HOUSEHOLD', 'SCI KNOWLEDGE: THE CENTER OF EARTH IS VERY HOT', 'NUMBER OF HOURS WORKED LAST WEEK', 'NUMBER OF HOURS USUALLY WORK A WEEK', 'R EVER TOOK A HIGH SCHOOL BIOLOGY COURSE', 'R EVER TOOK A HIGH SCHOOL CHEMISTRY COURSE', 'THE HIGHEST LEVEL OF MATH R COMPLETED IN HIGH SCHOOL', 'R EVER TOOK A HIGH SCHOOL PHYSICS COURSE', 'HUSB SHLD WORK WIFE SHLD LOOK AFTER HOME', 'DOES R OR SPOUSE HUNT', 'LEADER1 TRIED TO KEEP R FROM TELLING OTHER PEOPLE ABOUT THE RELATIONSHIP', 'LEADER2 TRIED TO KEEP R FROM TELLING OTHER PEOPLE ABOUT THE RELATIONSHIP', 'RESPONDNT ID NUMBER', 'R INJECT DRUGS IN PAST 30 DAYS', 'WHO WOULD R HAS VOTED FOR IN 2004 ELECTION', 'INCOME DIFFERENTIALS IN USA TOO BIG', 'EARNINGS FROM ALL SOURCES FOR THIS JOB', 'RS FAMILY INCOME WHEN 16 YRS OLD', 'TOTAL FAMILY INCOME', 'TOTAL FAMILY INCOME', 'RS INDUSTRY CODE (1980)', 'INEQUALITY EXISTS FOR BENEFIT OF RICH', 'PAY DIFFERENCES -> AMERICAN PROSPERITY', 'INTERESTED IN ECONOMIC ISSUES', 'INTERESTED IN LOCAL SCHOOL ISSUES', 'INTERESTED IN ENVIRONMENTAL ISSUES', 'INTERESTED IN FARM ISSUES', 'IS INTERVIEWER SPANISH, HISPANIC OR LATINO', 'INTERESTED IN INTERNATIONAL ISSUES', 'UNINTELLIGENT - INTELLIGENT', 'HOW OFTEN EXCHANGE INFO WITH CO-WORKERS LOCATED OUTSIDE USA', 'UNINTELLIGENT - INTELLIGENT', 'INTERESTED IN MEDICAL DISCOVERIES', 'INTERESTED IN MILITARY POLICY', 'INTERVIEWER S RACE1', 'INTERVIEWER S RACE2', 'INTERNET ACCESS IN R'S HOME', 'INTERESTED IN NEW SCIENTIFIC DISCOVERIES', 'INTERESTED IN SPACE EXPLORATION', 'INTERESTED IN TECHNOLOGIES', 'RESPONDENT'S OCCUPATION, 1980 CENSUS', 'RESPONDENT'S OCCUPATION, 1980 CENSUS & 1988 ISCO CODE', 'FILTER FOR ISSP CASES', 'WHAT SORT OF JEW R IS', 'WHAT SORT OF JEW R WAS AT AGE 16', 'COULD R FIND EQUALLY GOOD JOB', 'IS R LIKELY TO LOSE JOB', 'CONTRAST BETWEEN JUDGE AND LOVER', 'R'S CHILD 1 CONSIDERED JEWISH', 'RELIGION OF R'S CHILD 1', 'R'S CHILD 2 CONSIDERED JEWISH', 'RELIGION OF R'S CHILD 2', 'R'S CHILD 3 CONSIDERED JEWISH', 'RELIGION OF R'S CHILD 3', 'R'S CHILD 4 CONSIDERED JEWISH', 'RELIGION OF R'S CHILD 4', 'R'S CHILD 5 CONSIDERED JEWISH', 'RELIGION OF R'S CHILD 5', 'RELIGION OF R'S CHILD 6', 'RELIGION OF R'S CHILD 7', 'RELIGION OF R'S CHILD 8', 'CHILDREN UNDER 18 HAVE EVER LIVED WITH R UNDER R'S CARE', 'R'S CHILDREN UNDER 18 LIVING WITH R', 'R IS LIVING IN A HH WHERE CHILDREN UNDER 18 ARE LIVING WITH R UNDER R'S CARE', 'R IS LEGALLY RESPONSIBLE BIOLOGICAL/ADOPTIVE PARENT OF A CHILD UNDER 18', 'RS KIDS LIVING STANDARD COMPARED TO R', 'R KNOWS OTHER PEOPLE WHO WERE OBJ OF SEXUAL ADVANCES', 'SCI KNOWLEDGE: LASERS WORK BY FOCUSING SOUND WAVES', 'THINKING ABOUT LAST FULL-TIME JOB, WHAT YR R WORKED LAST', 'WHY DID R LEAVE LAST JOB', 'ALLOW INCURABLE PATIENTS TO DIE', 'ALLOW INCURABLE PATIENTS TO DIE (FORM 2)', 'NUMBER OF IMMIGRANTS TO AMERICA NOWADAYS SHOULD BE', 'KEY FACTOR THAT ENABLES AIRPLANE TO LIFT', 'ALLOW ANTI-RELIGIOUS BOOK IN LIBRARY', 'ALLOW COMMUNISTS BOOK IN LIBRARY', 'ALLOW HOMOSEXUALS BOOK IN LIBRARY', 'ALLOW MILITARISTS BOOK IN LIBRARY', 'ALLOW ANTI-AMERICAN MUSLIM CLERGYMEN'S BOOKS IN LIBRARY', 'ALLOW RACISTS BOOK IN LIBRARY', 'IS LIFE EXCITING OR DULL', 'WHY LITMUS PAPER DOESN'T CHANGE COLOR IN MIXED SOLUTION', 'NEIGHBORHOOD HALF BLACK', 'R FAVORS LIVING IN HALF WHITE NEIGHBORHOOD', 'NUMBER OF EMPLOYEES: RS WORK SITE', 'HOW LIKELY R WILL LOSE JOB OR LAID OFF IN NEXT 1 YR', 'IN LAST 5 YRS, R HAS BEEN DENIED A JOB OR FIRED CUZ EMPLOYER BELIEVED R WAS GAY/LES/BI', 'JOBS TAKEN AWAY ARE BETTER THAN R'S CURRENT JOB', 'DOES MOM'S GENE DECIDE BABY'S SEX', 'MOTHERS HIGHEST DEGREE', 'IF PROTESTANT, MOTHER'S DENOMINATION', 'HIGHEST YEAR SCHOOL COMPLETED, MOTHER', 'MOTHERS INDUSTRY CODE (1980)', 'R'S MOTHER'S OCCUPATION, 1980 CENSUS', 'R'S MOTHER'S OCCUPATION, 1980 CENSUS & 1988 ISCO CODE', 'WHAT SORT OF JEW WAS RS MOTHER', 'THE FIELD OF DEGREE R EARNED', 'R'S MOM WAS JEWISH WHEN R WAS GROWING UP', 'RELIGION HELPS PEOPLE TO MAKE FRIENDS', 'MOTHERS CENSUS OCCUPATION CODE (1980)', 'CONTRAST BETWEEN MOTHER AND FATHER', 'MOTHERS OCCUPATIONAL PRESTIGE SCORE (1980)', 'CLOSE RELATIVE MARRY ASIAN', 'CLOSE RELATIVE MARRY BLACK', 'WHAT WAS MOTHERS RELIGIOUS PREFERENCE', 'MOTHERS RELIGION WHEN R WAS CHILD', 'CLOSE RELATIVE MARRY HISPANIC', 'HOMOSEXUALS SHOULD HAVE RIGHT TO MARRY', 'MARITAL STATUS', 'LEGAL MARITAL STATUS', 'R FAVOR CLOSE RELATIVE MARRYING WHITE PERSON', 'R'S MOTHER'S SOCIOECONOMIC INDEX', 'CONTRAST BETWEEN MASTER AND SPOUSE', 'WAS 1 OF RS PARTNERS SPOUSE OR REGULAR', 'MOTHERS EMPLOYMENT WHEN R WAS 16', 'MOTHER SELF-EMP. OR WORKED FOR SOMEBODY', 'HOW OFTEN MEET FACE TO FACE WITH CUSTOMERS, CLIENTS, PATIENTS', 'HOW OFTEN MEET FACE TO FACE WITH CO-WORKERS TO WORK ON PROJECTS', 'MEN HURT FAMILY WHEN FOCUS ON WORK TOO MUCH', 'BELIEF IN

RELIGIOUS MIRACLES', 'GEOGRAPHIC MOBILITY SINCE AGE 16', 'MORE TRADE, LESS JOBS IN USA', 'R'S CURRENT INSURANCE PLAN COVERS CHILDREN', 'R HAS OWN WAY OF CONNECTING WITH GOD WITHOUT CHURCHES OR RELIGIOUS SERVICES', 'BALANCE WILL BE STRONGLY IN FAVOR OF THE BENEFITS OR SLIGHTLY', 'BALANCE WILL BE STRONGLY IN FAVOR OF THE BENEFITS OR SLIGHTLY', 'TRUE-FALSE:NANOTECHNOLOGY MANIPULATE EXTREMELY SMALL UNITS', 'TRUE-FALSE:NANOSCALE DIFFER FROM SAME MATERIAL AT LARGER SCALE', 'HOW MUCH R HEARD ABOUT NANOTECHNOLOGY', 'BENEFIT OF NANOTECHNOLOGY OUTWEIGH HARMFUL RESULTS', 'FOREIGN AID', 'ASSISTANCE TO OTHER COUNTRIES -- VER Y', 'MILITARY, ARMAMENTS, AND DEFENSE', 'NATIONAL DEFENSE -- VERSION Y', 'ASSISTANCE FOR CHILDCARE', 'SOLVING PROBLEMS OF BIG CITIES', 'ASSISTANCE TO BIG CITIES -- VERSION Y', 'HALTING RISING CRIME RATE', 'LAW ENFORCEMENT -- VERISON Y', 'IN WHICH COUNTRY DID YOU OBTAIN YOUR HIGHEST DEGREE?', 'DEALING WITH DRUG ADDICTION', 'DRUG REHABILITATION -- VERSION Y', 'IMPROVING NATIONS EDUCATION SYSTEM', 'EDUCATION -- VERSION Y', 'IMPROVING & PROTECTING ENVIRONMENT', 'THE ENVIRONMENT -- VERSION Y', 'WELFARE', 'ASSISTANCE TO THE POOR -- VERSION Y', 'IMPROVING & PROTECTING NATIONS HEALTH', 'HEALTH -- VERSION Y', 'MASS TRANSPORTATION', 'PARKS AND RECREATION', 'IMPROVING THE CONDITIONS OF BLACKS', 'ASSISTANCE TO BLACKS -- VERSION Y', 'HIGHWAYS AND BRIDGES', 'SUPPORTING SCIENTIFIC RESEARCH', 'SOCIAL SECURITY', 'SPACE EXPLORATION PROGRAM', 'SPACE EXPLORATION -- VERSION Y', 'IN LAST 5 YRS, R BEEN DENIED PROMO OR RECVD BAD EVALUATION CUZ EMPLOYR BELIVD R WAS GAY/LES/BI', 'JOBS CREATED ARE BETTER THAN R'S CURRENT JOB', 'HOW OFTEN DOES R READ NEWSPAPER', 'MAIN SOURCE OF INFORMATION ABOUT EVENTS IN THE NEWS', 'SCIENCE & TECH. GIVE MORE OPPORTUNITIES TO NEXT GENERATION', 'LIFE SERVES NO PURPOSE', 'BELIEVE IN NIRVANA', 'WITH HOW MANY DIFFERENT LEADERS HAS THIS HAPPENED TO YOU', 'NUMBER OF EMPLOYEE FOR THE SELF-EMPLOYED', 'HOW MANY PEOPLE R EMPLOYS 5 YRS AFTER', 'NUMBER OF MALE SEX PARTNERS SINCE 18', 'NUMBER OF BUSINESSES YOU OWN AND MANAGE', 'NUMBER OF FEMALE SEX PARTNERS SINCE 18', 'TO OBEY', 'RS CENSUS OCCUPATION CODE (1980)', 'TEST OF KNOWLEDGE ABOUT PROBABILITY1', 'TEST OF KNOWLEDGE ABOUT PROBABILITY2', 'AGE OF 1ST PERSON', 'AGE OF 10TH PERSON', 'AGE OF 11TH PERSON (VISITOR)', 'AGE OF 12TH PERSON (VISITOR)', 'AGE OF 13TH PERSON (VISITOR)', 'AGE OF 2ND PERSON', 'AGE OF 3RD PERSON', 'AGE OF 4TH PERSON', 'AGE OF 5TH PERSON', 'AGE OF 6TH PERSON', 'AGE OF 7TH PERSON', 'AGE OF 8TH PERSON', 'AGE OF 9TH PERSON', 'R HAD AN ONGOING RELATIONSHIP WITH LEADER1', 'R HAD AN ONGOING RELATIONSHIP WITH LEADER2', 'R HAD AN ONGOING RELATIONSHIP WITH LEADER3', 'R AND LEADER EVER BECOME AN OPENLY ACKNOWLEDGED COUPLE', 'R AND LEADER EVER BECOME AN OPENLY ACKNOWLEDGED COUPLE', 'R AND LEADER EVER BECOME AN OPENLY ACKNOWLEDGED COUPLE', 'OTHER PROTESTANT DENOMINATIONS', 'OTHER PROTESTANT DENOMINATIONS', 'R HAD SEX WITH SOME OTHER LAST YEAR', 'CONSIDER SELF TO BE JEWISH', 'R RAISED AS A JEW', 'R'S CURRENT INSURANCE PLAN COVERS CHILDREN FOR WHOM R NOT A BIO/ADOPTIVE PARENT', 'CAN R SPEAK LANGUAGE OTHER THAN ENGLISH', 'WHAT OTHER LANGUAGES DOES R SPEAK', 'WHAT OTHER LANGUAGES DOES R SPEAK', 'OTHER NAME FOR INSURANCE OR HMO POLICY', 'WEIGHTS FOR BLACK OVERSAMPLES', 'R OWNS BUSINESS', 'DID THIS HAPPEN WITH A LEADER IN CONGREGATION R WAS ATTENDING', 'HAVE GUN IN HOME', 'AMT OF HOUSEHOLD INCOME COMING FROM THIS BUSINESS', 'FATHERS HIGHEST DEGREE', 'IF PROTESTANT, FATHER'S DENOMINATION', 'HIGHEST YEAR SCHOOL COMPLETED, FATHER', 'R HAS PAID EMPLOYEES', 'R HAD SEX FOR PAY LAST YEAR', 'FATHERS INDUSTRY CODE (1980)', 'R'S FATHER'S OCCUPATION, 1980 CENSUS', 'R'S FATHER'S OCCUPATION, 1980 CENSUS & 1988 ISCO CODE', 'WHAT SORT OF JEW WAS RS FATHER', 'R'S DAD WAS JEWISH WHEN R WAS GROWING UP', 'FATHERS CENSUS OCCUPATION CODE (1980)', 'FATHERS OCCUPATIONAL PRESTIGE SCORE (1980)', 'WERE RS PARENTS BORN IN THIS COUNTRY', 'WHAT WAS FATHERS RELIGIOUS PREFERENCE', 'FATHER'S RELIGION WHEN R WAS CHILD', 'RS LIVING STANDARD COMPARED TO PARENTS', 'WAS R'S WORK PART-TIME OR FULL-TIME?', 'HOW MANY SEX PARTNERS R HAD IN LAST YEAR', 'HOW MANY SEX PARTNERS R HAD IN LAST 5 YEARS', 'POLITICAL PARTY AFFILIATION', 'R'S FATHER'S SOCIOECONOMIC INDEX', 'WAS R'S STARTING PAY HIGHER/LOWER/SAME AS EARNING IN PREVIOUS JOB', 'FATHER SELF-EMP. OR WORKED FOR SOMEBODY', 'RELIGION HELPS PEOPLE TO FIND INNER PEACE AND HAPPINESS', 'HOW MUCH HAS R PAY CHANGED ON R'S CURRENT JOB SINCE R BEGAN', 'R AGREES THAT MORALITY A PERSONAL MATTER', 'R MADE SOME PERSONAL SACRIFICE AS AN EXPRESSION OF FAITH BY FASTING, GIVING UP ACTIVITY, ETC.', 'Subsampling: two-phase design.', 'DOES R HAVE TELEPHONE', 'R HAD SEX WITH CASUAL DATE LAST YEAR', 'BIRTH CONTROL TO TEENAGERS 14-16', 'BIRTH CONTROL TO TEENAGERS 14-16 (FORM 2)', 'PISTOL OR REVOLVER IN HOME', 'CITIZEN SAID VULGAR OR OBSCENE THINGS', 'CITIZEN ATTACKING POLICEMAN WITH FISTS', 'CITIZEN ATTEMPTING TO ESCAPE CUSTODY', 'EVER APPROVE OF POLICE STRIKING CITIZEN', 'EVER APPROVE OF POLICE STRIKING CITIZEN (FORM 2)', 'CITIZEN QUESTIONED AS MURDER SUSPECT', 'THINK OF SELF AS LIBERAL OR CONSERVATIVE', 'POPE IS INFALLIBLE ON MATTERS OF FAITH OR MORALS', 'POPE

IS INFALLIBLE ON MATTERS OF FAITH OR MORALS (FORM 2)', 'TO BE WELL LIKED OR POPULAR', 'FEELINGS ABOUT PORNOGRAPHY LAWS', 'BELIEF IN LIFE AFTER DEATH', 'HOW OFTEN DOES R PRAY', 'BIBLE PRAYER IN PUBLIC SCHOOLS', 'HOW OFTEN DOES R PRAY', 'IS REMARRITAL SEX WRONG?', 'SEX BEFORE MARRIAGE', 'VOTE FOR KERRY, BUSH, NADER', 'RS OCCUPATIONAL PRESTIGE SCORE (1980)', 'HOUSEHOLD MEMBERS 6 THRU 12 YRS OLD', 'R AGREES THAT SINNERS MUST BE PUNISHED', 'DIFFERENCES DUE TO DISCRIMINATION', 'DIFFERENCES DUE TO INBORN DISABILITY', 'DIFFERENCES DUE TO LACK OF EDUCATION', 'DIFFERENCES DUE TO LACK OF WILL', 'RACE OF RESPONDENT', 'WHAT IS RS RACE 1ST MENTION', 'WHAT IS RS RACE 2ND MENTION', 'WHAT IS RS RACE 3RD MENTION', 'ANY OPP. RACE IN NEIGHBORHOOD', 'VOTE ON OPEN HOUSING LAW', 'WOULD VOTE FOR BLACK PRESIDENT', 'RACIAL MAKEUP OF WORKPLACE', 'SCI KNOWLEDGE:ALL RADIOACTIVITY IS MAN-MADE', 'HAS R EVER HAD A 'BORN AGAIN' EXPERIENCE', 'REGION OF RESIDENCE, AGE 16', 'REGION OF INTERVIEW', 'BELIEVE IN REINCARNATION', 'HOW OFTEN DOES R TAKE PART IN RELIGIOUS ACTIVITIES', 'RELATIONSHIP OF 1ST PERSON TO HOUSEHOLD HEAD', 'RELATIONSHIP OF 10TH PERSON TO HOUSEHOLD HEAD', 'RELATION OF 11TH PERSON (VISITOR) TO HEAD', 'RELATION OF 12TH PERSON (VISITOR) TO HEAD', 'RELATION OF 13TH PERSON (VISITOR) TO HEAD', 'RELATIONSHIP OF 2ND PERSON TO HOUSEHOLD HEAD', 'RELATIONSHIP OF 3RD PERSON TO HOUSEHOLD HEAD', 'RELATIONSHIP OF 4TH PERSON TO HOUSEHOLD HEAD', 'RELATIONSHIP OF 5TH PERSON TO HOUSEHOLD HEAD', 'RELATIONSHIP OF 6TH PERSON TO HOUSEHOLD HEAD', 'RELATIONSHIP OF 7TH PERSON TO HOUSEHOLD HEAD', 'RELATIONSHIP OF 8TH PERSON TO HOUSEHOLD HEAD', 'RELATIONSHIP OF 9TH PERSON TO HOUSEHOLD HEAD', 'RELATION TO LAST SEX PARTNER', 'R ACCEPTS A PERSON FROM A DIFFERENT RELIGION OR VIEW FROM R'S BEING CANDIDATE OF PARTY R PREFERENCES', 'HAVE RELIGIOUS EXPERIENCE CHANGED LIFE', 'TURNING POINT IN LIFE FOR RELIGION', 'RELIGIOUS EXTREMISTS SHOULD BE ALLOWED TO HOLD PUBLIC MEETING TO EXPRESS VIEWS', 'PEOPLE SHOULD BE ALLOWED TO PUBLISH BOOKS EXPRESSING THEIR VIEWS', 'WHAT IS YOUR RELATIONSHIP SITUATION', 'ALL RELIGIOUS GROUPS IN USA SHOULD HAVE EQUAL RIGHTS', 'RELATIONSHIP OF PERSON 1 TO HEAD OF HOUSEHOLD', 'RELATIONSHIP OF PERSON 10 TO HEAD OF HOUSEHOLD', 'RELATIONSHIP OF PERSON 11 TO HEAD OF HOUSEHOLD', 'RELATIONSHIP OF PERSON 12 TO HEAD OF HOUSEHOLD', 'RELATIONSHIP OF PERSON 13 TO HEAD OF HOUSEHOLD', 'RELATIONSHIP OF PERSON 2 TO HEAD OF HOUSEHOLD', 'RELATIONSHIP OF PERSON 3 TO HEAD OF HOUSEHOLD', 'RELATIONSHIP OF PERSON 4 TO HEAD OF HOUSEHOLD', 'RELATIONSHIP OF PERSON 5 TO HEAD OF HOUSEHOLD', 'RELATIONSHIP OF PERSON 6 TO HEAD OF HOUSEHOLD', 'RELATIONSHIP OF PERSON 7 TO HEAD OF HOUSEHOLD', 'RELATIONSHIP OF PERSON 8 TO HEAD OF HOUSEHOLD', 'RELATIONSHIP OF PERSON 9 TO HEAD OF HOUSEHOLD', 'RELATION OF 1ST PERSON TO HOUSEHOLD HEAD', 'RELATION OF 10TH PERSON TO HOUSEHOLD HEAD', 'RELATION OF 11TH PERSON (VISITOR) TO HEAD', 'RELATION OF 12TH PERSON (VISITOR) TO HEAD', 'RELATION OF 13TH PERSON (VISITOR) TO HEAD', 'RELATION OF 2ND PERSON TO HOUSEHOLD HEAD', 'RELATION OF 3RD PERSON TO HOUSEHOLD HEAD', 'RELATION OF 4TH PERSON TO HOUSEHOLD HEAD', 'RELATION OF 5TH PERSON TO HOUSEHOLD HEAD', 'RELATION OF 6TH PERSON TO HOUSEHOLD HEAD', 'RELATION OF 7TH PERSON TO HOUSEHOLD HEAD', 'RELATION OF 8TH PERSON TO HOUSEHOLD HEAD', 'RELATION OF 9TH PERSON TO HOUSEHOLD HEAD', 'RS RELIGIOUS PREFERENCE', 'RELIGION IN WHICH RAISED', 'RELIGIONS BRING MORE CONFLICT', 'RELIGIOUS PEOPLE ARE OFTEN TOO INTOLERANT', 'RELIGION R WAS RAISED IN', 'R'S SPOUSE'S RELIGION', 'STRENGTH OF AFFILIATION', 'TRY TO CARRY BELIEFS INTO OTHER DEALINGS', 'R ACCEPTS A PERSON FROM A DIFFERENT RELIGION OR VIEW FROM R'S MARRYING RELATIVE', 'ANY TURNING POINT WHEN LESS COMMITTED TO RELIGION', 'FOR RELIGIOUS REASONS R HAS IN HOME SHRINE, ALTAR, OR RELIGIOUS OBJECT ON DISPLAY', 'R CONSIDER SELF A RELIGIOUS PERSON', 'RELATIONSHIP OF PERSON 1 TO SPOUSE OF HOUSEHOLD', 'RELATIONSHIP OF PERSON 10 TO SPOUSE OF HOUSEHOLD', 'RELATIONSHIP OF PERSON 11 TO SPOUSE OF HOUSEHOLD', 'RELATIONSHIP OF PERSON 12 TO SPOUSE OF HOUSEHOLD', 'RELATIONSHIP OF PERSON 2 TO SPOUSE OF HOUSEHOLD', 'RELATIONSHIP OF PERSON 3 TO SPOUSE OF HOUSEHOLD', 'RELATIONSHIP OF PERSON 4 TO SPOUSE OF HOUSEHOLD', 'RELATIONSHIP OF PERSON 5 TO SPOUSE OF HOUSEHOLD', 'RELATIONSHIP OF PERSON 6 TO SPOUSE OF HOUSEHOLD', 'RELATIONSHIP OF PERSON 7 TO SPOUSE OF HOUSEHOLD', 'RELATIONSHIP OF PERSON 8 TO SPOUSE OF HOUSEHOLD', 'RELATIONSHIP OF PERSON 9 TO SPOUSE OF HOUSEHOLD', 'IS R SPIRITUAL PERSON', 'HOW MUCH TRUTH IN RELIGION', 'TYPE OF PLACE LIVED IN WHEN 16 YRS OLD', 'WAS R LIVING IN USA DURING MARCH-MAY 2006', 'NUMBER IN FAMILY OF R', 'IF RICH, CONTINUE OR STOP WORKING', 'RIFLE IN HOME', 'RELIGION HELPS PEOPLE TO MEET THE RIGHT KIND OF PEOPLE', 'RESPONDENTS INCOME', 'RESPONDENTS INCOME', 'R AGREES IMMORAL PERSON CORRUPTS SOCIETY', 'DOES GUN BELONG TO R', 'R'S RELATIONSHIP TO HOUSEHOLD HEAD', 'WE MUST RESPECT ALL RELIGIONS', 'IS R A VISITOR?', 'OCEAN WATER FOR VEGETABLES', 'SAMPLING ERROR CODE', 'SAMPLING FRAME AND METHOD', 'SATISFACTION WITH FINANCIAL SITUATION', 'JOB OR HOUSEWORK', 'TRIED TO CONVINCE OTHERS TO ACCEPT JESUS', 'BENEFITS OF SCI RESEARCH OUTWEIGHT HARMFUL RESULTS', 'MAIN SOURCE OF INFO



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ATE SUPERVISE ANYONE', 'RICH - POOR', 'RICH - POOR', 'R CAN DO JOB WITHOUT COMPU  
TER', 'WORD A', 'WORD B', 'WORD C', 'WORD D', 'WORD E', 'WORD F', 'WORD G', 'WOR  
D H', 'WORD I', 'WORD J', 'NUMBER WORDS CORRECT IN VOCABULARY TEST', 'HOW MANY F  
ULL TIME JOBS R HAS IN PAST 3 YRS SINCE 2005', 'HARD WORKING - LAZY', 'TO WORK H  
ARD', 'HARD WORKING - LAZY', 'GOVT OR PRIVATE EMPLOYEE', 'R SELF-EMP OR WORKS FO  
R SOMEBODY', 'LABOR FORCE STATUS', 'BLACKS OVERCOME PREJUDICE WITHOUT FAVORS',  
'WEIGHT VARIABLE', 'WEIGHT VARIABLE', 'WEIGHT VARIABLE', 'SEX WITH PERSON OTHER  
THAN SPOUSE', 'IS EXTRAMARITAL SEX WRONG?', 'SEEN X-RATED MOVIE IN LAST YEAR',  
'GSS YEAR FOR THIS RESPONDENT', 'YEAR BUSINESS STARTED', 'RESPONDENTS ASTROLOGIC  
AL SIGN', 'INTERVIEWER ID', 'AGE OF INTERVIEWER', 'RACE OF INTERVIEWER', 'SEX OF  
INTERVIEWER', 'YEARS OF SERVICE AS AN INTERVIEWER AT NORC', 'PRESENCE OF OTHERS:  
CHILDREN UNDER SIX', 'PRESENCE OF OTHERS:OLDER CHILDREN', 'PRESENCE OF OTHERS:SP  
OUSE PARTNER', 'PRESENCE OF OTHERS:OTHER RELATIVES', 'PRESENCE OF OTHERS:OTHER A  
DULTS', 'PRESENCE OF OTHERS:NO ONE', 'HOW LONG WAS INTERVIEW', 'AMOUNT OF FEES P  
AID', 'FEE GIVEN TO GET CASE', 'INTERVIEW DONE IN-PERSON OR OVER THE PHONE', 'HO  
W OFTEN DOES R TAKE PART IN RELIG ACTIVITIES', 'PARTICIPATION/RECORDING CONSEN  
T', 'SIZE OF PLACE IN 1000S', 'EXPANDED N.O.R.C. SIZE CODE', 'SRC BELTCODE', 'FA  
MILY INCOME IN CONSTANT \$', 'RS INCOME IN CONSTANT \$', 'FAMILY INCOME IN CONSTAN  
T DOLLARS', 'RESPONDENT INCOME IN CONSTANT DOLLARS', 'DO CHURCHES HAVE TOO MUCH  
POWER?']

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{'vpsu': 'Variance primary sampling unit', 'vstrat': 'Variance stratum', 'mar1':
'MARITAL STATUS OF 1ST PERSON', 'mar2': 'MARITAL STATUS OF 2ND PERSON', 'mar3':
'MARITAL STATUS OF 3RD PERSON', 'mar4': 'MARITAL STATUS OF 4TH PERSON', 'mar5':
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'MARITAL STATUS OF 7TH PERSON', 'mar8': 'MARITAL STATUS OF 8TH PERSON', 'mar11':
'MARITAL STATUS OF 11TH PERSON (VISITOR)', 'mar12': 'MARITAL STATUS OF 12TH PERS
ON (VISITOR)', 'mar13': 'MARITAL STATUS OF 13TH PERSON (VISITOR)', 'abany': 'ABO
RTION IF WOMAN WANTS FOR ANY REASON', 'abdefctw': 'WRONG FOR WOMAN TO GET ABORTI
ON FOR BIRTH DEFECTS', 'abdefect': 'STRONG CHANCE OF SERIOUS DEFECT', 'abhlth':
'WOMANS HEALTH SERIOUSLY ENDANGERED', 'abnomore': 'MARRIED--WANTS NO MORE CHILDREN', 'abpoor': 'LOW INCOME--CANT AFFORD MORE CHILDREN', 'abpoorw': 'WRONG FOR WOMAN TO GET ABORTION IF LOW INCOME?', 'abrape': 'PREGNANT AS RESULT OF RAPE', 'absingle': 'NOT MARRIED', 'acqntsex': 'R HAD SEX WITH ACQUAINTANCE LAST YEAR', 'adoptkid': 'HAVE EVER LEGALLY ADOPTED A CHILD', 'adults': 'HOUSEHOLD MEMBERS 18 YRS AND OLDER', 'advfront': 'SCI RSCH IS NECESSARY AND SHOULD BE SUPPORTED BY FEDERAL GOVT', 'affrmact': 'FAVOR PREFERENCE IN HIRING BLACKS', 'afterlif': 'BELIEF IN LIFE AFTER DEATH', 'age': 'AGE OF RESPONDENT', 'AGECMEUS': 'IF BORN OUTSIDE USA, WHAT AGE WERE YOU WHEN YOU PERMANENTLY MOVED TO USA', 'aged': 'SHOULD AGED LIVE WITH THEIR CHILDREN', 'agekdbn': 'R'S AGE WHEN 1ST CHILD BORN', 'ANCESTRS': 'BELIEVE IN SUPERNATURAL POWER OF DECEASED ANCESTORS', 'ANHEAT': 'WHICH BODILY FEATURES BE BEST SUITED TO A SMALL ANIMAL LIVING IN A COLD CLIMATE', 'ANSCITST': 'SCIENTISTS SHLD BE ALLOWED TO DO RESEARCH ANIMALS' PAIN & INJURY', 'astrosci': 'ASTROLOGY IS SCIENTIFIC', 'attend': 'HOW OFTEN R ATTENDS RELIGIOUS SERVICES', 'attend12': 'FREQ OF R'S RELIG SVC ATTENDANCE AT AGE 12', 'attendma': 'FREQ OF R'S MOM'S RELIG SVC ATTENDANCE', 'attendpa': 'FREQ OF R'S DAD'S RELIG SVC ATTENDANCE', 'ATTRACTD': 'AT WHAT AGE WERE YOU FIRST SEXUALLY ATTRACTED TO SAME SEX', 'autonojb': 'R HEARD OF PERSONS IN R'S FIRM HAVING JOBS REPLACED BY COMPUTERS', 'away1': 'IS 1ST PERSON STAYING SOMEWHERE ELSE NOW?', 'away11': 'IS 11TH PERSON (VISITOR) STAYING ELSEWHERE NOW?', 'away12': 'IS 12TH PERSON (VISITOR) STAYING ELSEWHERE NOW?', 'away2': 'IS 2ND PERSON STAYING SOMEWHERE ELSE NOW?', 'away3': 'IS 3RD PERSON STAYING SOMEWHERE ELSE NOW?', 'away4': 'IS 4TH PERSON STAYING SOMEWHERE ELSE NOW?', 'away5': 'IS 5TH PERSON STAYING SOMEWHERE ELSE NOW?', 'away6': 'IS 6TH PERSON STAYING SOMEWHERE ELSE NOW?', 'away7': 'IS 7TH PERSON STAYING SOMEWHERE ELSE NOW?', 'away8': 'IS 8TH PERSON STAYING SOMEWHERE ELSE NOW?', 'away9': 'IS 9TH PERSON STAYING SOMEWHERE ELSE NOW?', 'babies': 'HOUSEHOLD MEMBERS LESS THAN 6 YRS OLD', 'ballot': 'BALLOT USED FOR INTERVIEW', 'balneg': 'SCI RESEARCH IS STRONGLY IN FAVOR OF HARMFUL RESULTS', 'balpos': 'SCI RESEARCH IS STRONGLY IN FAVOR OF BENEFITS', 'betrlang': 'Which language R speaks more fluent', 'bibble': 'FEELINGS ABOUT THE BIBLE', 'bigbang': 'SCI KNOWLEDGE:THE UNIVERSE BEGAN WITH A HUGE EXPLOSION', 'BIZGROSS': 'BUSINESS REVENUE LAST YEAR', 'bizshare': 'PERCENTAGE OWNERSHIP R HOLDS', 'blkwhite': 'R AGREES RIGHT & WRONG NOT BLACK & WHITE', 'BMITZVAH': 'R HAD BAR OR BAT MITZVAH WHEN R WAS A CHILD', 'born': 'WAS R BORN IN THIS COUNTRY', 'BORNSP': 'IN WHAT COUNTRY WERE YOU BORN', 'boyorgrl': 'SCI KNOWLEDGE:FATHER GENE DECIDES SEX OF BABY', 'cantrust': 'POEPL E CAN BE TRUSTED OR R CANT BE TOO CAREFUL', 'cappun': 'FAVOR OR OPPOSE DEATH PENALTY FOR MURDER', 'c
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hilds': 'NUMBER OF CHILDREN', 'chldidel': 'IDEAL NUMBER OF CHILDREN', 'class': 'SUBJECTIVE CLASS IDENTIFICATION', 'clerggov': 'CLERGY SHOULDN'T TRY TO INFLUENCE GOVT DECISIONS', 'clergvte': 'CLERGY SHOULDN'T TRY TO INFLUENCE VOTERS', 'closeblk': 'HOW CLOSE FEEL TO BLACKS', 'closewht': 'HOW CLOSE FEEL TO WHITES', 'clrggen1': 'SEX OF LEADER1', 'clrggen2': 'SEX OF LEADER2', 'clrggen3': 'SEX OF LEADER3', 'clrgmar1': 'LEADER1 WAS MARRIED AT THE TIME', 'clrgmar2': 'LEADER2 WAS MARRIED AT THE TIME', 'clrgmar3': 'LEADER3 WAS MARRIED AT THE TIME', 'clrgmode': 'WAS SAQ SELF ADMINISTERED OR INTERVIEW ADMINISTERED', 'clrgsex1': 'R HAD SEXUAL CONTACT WITH LEADER1', 'clrgsex2': 'R HAD SEXUAL CONTACT WITH LEADER2', 'clrgsex3': 'R HAD SEXUAL CONTACT WITH LEADER3', 'CLSCLSEX': 'ANY OF THEM WERE CLOSE FRIENDS OR FAMILY MEMBERS', 'cohort': 'YEAR OF BIRTH', 'colath': 'ALLOW ANTI-RELIGIONIST TO TEACH', 'colcom': 'SHOULD COMMUNIST TEACHER BE FIRED', 'coldeg1': 'THE HIGHEST DEGREE R HAVE EARNED', 'colhomo': 'ALLOW HOMOSEXUAL TO TEACH', 'colmil': 'ALLOW MILITARIST TO TEACH', 'COLMSLM': 'ALLOW ANTI-AMERICAN MUSLIM CLERGYMEN TEACHING IN COLLEGE', 'colrac': 'ALLOW RACIST TO TEACH', 'colsci': 'R HAS TAKEN ANY COLLEGE-LEVEL SCI COURSE', 'colscinm': 'NUMBER OF COLLEGE-LEVEL SCI COURSES R HAVE TAKEN', 'COMFORT': 'RELIGION HELPS PEOPLE TO GAIN COMFORT IN TIMES OF TROUBLE AND SORROW', 'comprend': 'RS UNDERSTANDING OF QUESTIONS', 'conarmy': 'CONFIDENCE IN MILITARY', 'conbiz': 'CONFIDENCE IN BUSINESS AND INDUSTRY', 'conbus': 'CONFIDENCE IN MAJOR COMPANIES', 'conchurh': 'CONFIDENCE IN CHURCHES AND RELIGIOUS ORGS', 'conclerg': 'CONFIDENCE IN ORGANIZED RELIGION', 'concong': 'CONFIDENCE IN US CONGRESS', 'concourt': 'CONFIDENCE IN COURTS AND LEGAL SYSTEM', 'condom': 'USED CONDOM LAST TIME', 'condrift': 'SCI KNOWLEDGE:THE CONTINENTS HAVE BEEN MOVING', 'coneduc': 'CONFIDENCE IN EDUCATION', 'confed': 'CONFID. IN EXEC BRANCH OF FED GOVT', 'confinan': 'CONFID IN BANKS & FINANCIAL INSTITUTIONS', 'conjudge': 'CONFID. IN UNITED STATES SUPREME COURT', 'conlabor': 'CONFIDENCE IN ORGANIZED LABOR', 'conlegis': 'CONFIDENCE IN CONGRESS', 'conmedic': 'CONFIDENCE IN MEDICINE', 'conpress': 'CONFIDENCE IN PRESS', 'conschls': 'CONFIDENCE IN SCHOOLS AND EDUC SYSTEM', 'consci': 'CONFIDENCE IN SCIENTIFIC COMMUNITY', 'contv': 'CONFIDENCE IN TELEVISION', 'coop': 'RS ATTITUDE TOWARD INTERVIEW', 'counsel1': 'LEADER1 WAS R'S COUNSELOR', 'counsel2': 'LEADER2 WAS R'S COUNSELOR', 'counsel3': 'LEADER3 WAS R'S COUNSELOR', 'courts': 'COURTS DEALING WITH CRIMINALS', 'crack30': 'R LAST USE CRACK COCAINE', 'cshutyp06': 'DURING MARCH-MAY 2006, WAS R RESIDENT IN HOUSE HOLD OR INSTITUTION', 'CUREMPYR': 'HOW MANY YRS R WORKED FOR CURRENT EMPLOYER', 'dateintv': 'DATE OF INTERVIEW', 'DAYNIGHT': 'WHEN DID MOST ERRORS OCCUR', 'degree': 'RS HIGHEST DEGREE', 'denkid': 'IF PROTESTANT, DENOMINATION R RAISED IN', 'denom': 'SPECIFIC DENOMINATION', 'denom16': 'DENOMINATION IN WHICH R WAS RAISED', 'densp': 'IF PROTESTANT, R'S SPOUSE'S DENOMINATION', 'discaff': 'WHITES HURT BY AFF. ACTION', 'discaffm': 'A MAN WON'T GET A JOB OR PROMOTION', 'discaffw': 'A WOMAN WON'T GET A JOB OR PROMOTION', 'divlaw': 'DIVORCE LAWS', 'divorce': 'EVER BEEN DIVORCED OR SEPARATED', 'DONE911A': 'HAS R DEVELOPED EMERGENCY PLANS', 'DONE911B': 'HAS R STOCKPILED SUPPLIES', 'DONE911C': 'HAS R PURCHASED THINGS TO MAKE THEM SAFER', 'DONE911D': 'HAS R LEARNED WHERE TO GET MORE INFO ABOUT TERRORISM', 'DONE911E': 'HAS R DUPLICATED IMPORTANT DOCUMENTS', 'DONE911F': 'HAS R REDUCED AIR TRAVEL', 'DONE911G': 'HAS R REDUCED TRAVEL BY TRAIN', 'DONE911H': 'HAS R REDUCED USE OF PUBLIC TRANSPORTATION', 'DONE911I': 'HAS R CHANGED MAIL HANDLING PROCEDURES', 'DONE911J': 'HAS R BECOME VIGILANT OF WHAT IS GOING ON AROUND R', 'DONE911K': 'HAS R AVOIDED TRAVEL TO CERTAIN CITIES', 'DONE911L': 'HAS R AVOIDED TALL BUILDINGS', 'DONE911M': 'HAS R AVOIDED NATIONAL LANDMARKS', 'DONE911N': 'HAS R DONE ANYTHING ELSE TO DEAL WITH TERRORISM', 'doneelse': 'SPECIFY WHAT IT IS R HAS DONE', 'DWELL5': 'IN LAST 5 YRS, R HAS BEEN PREVENTED FROM MOVING CUZ LANDLORD BELIEVED R WAS GAY/LES/BI', 'dwelling': 'TYPE OF STRUCTURE', 'dwelown': 'DOES R OWN OR RENT HOME?', 'earnrs': 'HOW MANY IN FAMILY EARNED MONEY', 'earthsun': 'SCI KNOWLEDGE:THE EARTH GOES AROUND THE SUN', 'educ': 'HIGHEST YEAR OF SCHOOL COMPLETED', 'EFF911A': 'HOW EFFECTIVE R THINKS DEVELOPING EMERGENCY PLANS', 'EFF911B': 'HOW EFFECTIVE R THINKS STOCKPILING SUPPLIES', 'EFF911C': 'HOW EFFECTIVE R THINKS PURCHASING THINGS TO MAKE THEM SAFER', 'EFF911D': 'HOW EFFECTIVE R THINKS LEARNING WHERE TO GET INFO ABOUT TERRORISM', 'EFF911E': 'HOW EFFECTIVE R THINKS DUPLICATING IMPORTANT DOCUMENTS', 'EFF911F': 'HOW EFFECTIVE R THINKS REDUCING AIR TRAVEL', 'EFF911G': 'HOW EFFECTIVE R THINKS REDUCING TRAVEL BY TRAIN', 'EFF911H': 'HOW EFFECTIVE R THINKS REDUCING USE OF PUBLIC TRANSPORTATION', 'EFF911I': 'HOW EFFECTIVE R THINKS CHANGING MAIL HANDLING PROCEDURES', 'EFF911J': 'HOW EFFECTIVE R THINKS BECOMING VIGILANT', 'EFF911K': 'HOW EFFECTIVE R THINKS AVOIDING TRAVEL TO CERTAIN CITIES', 'EFF911L': 'HOW EFFECTIVE R THINKS AVOIDING TALL BUILDINGS', 'EFF911M': 'HOW EFFECTIVE R THINKS AVOIDING NATIONAL LANDMARKS', 'EFF911

N': 'HOW EFFECTIVE R THINKS THAT IS', 'egomeans': 'LIFE MEANINGFUL ONLY IF YOU PROVIDE MEANING', 'electron': 'SCI KNOWLEDGE:ELECTRONS ARE SMALLER THAN ATOMS', 'EMPHLTH': 'DO YOU RECEIVE HEALTH INSURANCE FROM EMPLOYER', 'EMPHLTH1': 'CURRENT EMPLOYER OFFER HEALTH CARE INSURANCE TO R AS EMPLOYEE', 'EMPHLTH2': 'EMPLOYER'S COVERAGE', 'EMPHPLAN': 'NAME OF INSURANCE OR HMO', 'eqwlth': 'SHOULD GOVT REDUCE INCOME DIFFERENCES', 'EROSION': 'EXAMPLE OF EROSION', 'eth1': '1ST MENTIONED COUNTRY OF ORIGIN', 'eth2': '2ND MENTIONED COUNTRY OF ORIGIN', 'eth3': '3RD MENTIONED COUNTRY OF ORIGIN', 'ethnic': 'COUNTRY OF FAMILY ORIGIN', 'ethnum': 'TYPE OF RESPONSE ABOUT ETHNICITY -- R', 'evcrack': 'R EVER USE CRACK COCAINE', 'EVDWELL': 'IN LIFE, R HAS EVER BEEN PREVENTED FROM MOVING CUZ LANDLORD BELIVED R WAS GAY/LES/BI', 'EVHARJB': 'IN LIFE, R HAS EVER BEEN HARRASSED ON JOB CUZ R WAS BELIEVED TO BE GAY/LES/BI', 'evidu': 'R EVER INJECT DRUGS', 'EVKID': 'HAVE EVER GIVEN BIRTH TO/FATHERED A CHILD', 'EVLOSEJB': 'IN LIFE, R HAS EVER BEEN DENIED A JOB OR FIRED CUZ EMPLOYERS BELIEVED R WAS GAY/LES/BI', 'EVNEGJOB': 'IN LIFE, R EVER BEEN DENIED PROMO OR RECVD BAD EVALUATION CUZ EMPLOYR BELIVD R WAS GAY/LES/BI', 'evolved': 'SCI KNOWLEDGE:HUMAN BEINGS DEVELOPED FROM ANIMALS', 'evpaidsx': 'EVE R HAVE SEX PAID FOR OR BEING PAID SINCE 18', 'evstray': 'HAVE SEX OTHER THAN SPOUSE WHILE MARRIED', 'evwork': 'EVER WORK AS LONG AS ONE YEAR', 'expdesgn': 'BETTER WAY TO TEST DRUG BTW CONTROL AND NON-CONTROL', 'exptext': 'WHY IS IT BETTER TO TEST DRUG THIS WAY', 'fair': 'PEOPLE FAIR OR TRY TO TAKE ADVANTAGE', 'famdif16': 'REASON NOT LIVING WITH PARENTS', 'famgen': 'NUMBER OF FAMILY GENERATIONS IN HOUSEHOLD', 'family16': 'LIVING WITH PARENTS WHEN 16 YRS OLD', 'fatalism': 'PEOPLE CAN'T CHANGE THE COURSE OF THEIR LIVES', 'fear': 'AFRAID TO WALK AT NIGHT IN NEIGHBORHOOD', 'fechld': 'MOTHER WORKING DOESNT HURT CHILDREN', 'feelrel': 'HOW RELIGIOUS IS R', 'fefam': 'BETTER FOR MAN TO WORK, WOMAN TEND HOME', 'fehire': 'SHOULD HIRE AND PROMOTE WOMEN', 'fejebaff': 'FOR OR AGAINST PREFERENTIAL HIRING OF WOMEN', 'fepol': 'WOMEN NOT SUITED FOR POLITICS', 'fepres': 'VOTE FOR WOMAN PRESIDENT', 'fepresch': 'PRESCHOOL KIDS SUFFER IF MOTHER WORKS', 'finalter': 'CHANGE IN FINANCIAL SITUATION', 'FINDNWJB': 'HOW LIKELY R TO FIND JOB WITH SAME/BETTER BENEFIT', 'finrela': 'OPINION OF FAMILY INCOME', 'FISHEXP1': 'WHAT IS SCIENTIST TRYING TO FIND OUT FROM THIS EXPERIMENT', 'FISHEXP2': 'WHY DID YOU CHOOSE THAT ANSWER', 'form': 'FORM OF SPLIT QUESTIONNAIRE ASKED', 'formwt': 'Weight deal with experimental randomization', 'frndking': 'CONTRAST BETWEEN FRIEND AND KIN', 'frndsex': 'R HAD SEX WITH FRIEND LAST YEAR', 'FUCITZN': 'IS R PLANNING/APPLYING FOR US CITIZENSHIP OR NOT', 'fund': 'HOW FUNDAMENTALIST IS R CURRENTLY', 'fund16': 'HOW FUNDAMENTALIST WAS R AT AGE 16', 'gender1': 'GENDER OF 1ST PERSON', 'gender10': 'GENDER OF 10TH PERSON', 'gender11': 'GENDER OF 11TH PERSON (VISITOR)', 'gender12': 'GENDER OF 12TH PERSON (VISITOR)', 'gender13': 'GENDER OF 13TH PERSON (VISITOR)', 'gender2': 'GENDER OF 2ND PERSON', 'gender3': 'GENDER OF 3RD PERSON', 'gender4': 'GENDER OF 4TH PERSON', 'gender5': 'GENDER OF 5TH PERSON', 'gender6': 'GENDER OF 6TH PERSON', 'gender7': 'GENDER OF 7TH PERSON', 'gender8': 'GENDER OF 8TH PERSON', 'gender9': 'GENDER OF 9TH PERSON', 'GENES': 'TRAITS ARE TRANSFERRED OVER GENERATION', 'GEOMOBIL': 'HAS R MOVED FROM ONE KIND OF PLACE TO ANOTHER', 'getahead': 'OPINION OF HOW PEOPLE GET AHEAD', 'GILLS': 'HOW FISH GET OXYGEN', 'god': 'RS CONFIDENCE IN THE EXISTENCE OF GOD', 'godchnge': 'DESCRIBE YOUR BELIEFS ABOUT GOD', 'godmeans': 'LIFE MEANINGFUL BECAUSE GOD EXISTS', 'GOLDFISH': 'EXPERIMENT ABOUT GOLDFISH AND TEMPERATURE', 'goodlife': 'STANDARD OF LIVING OF R WILL IMPROVE', 'goveqinc': 'GOVMNT SHOULD REDUCE INC DIFFERENTIALS', 'granborn': 'HOW MANY GRANDPARENTS BORN OUTSIDE U.S.', 'grass': 'SHOULD MARIJUANA BE MADE LEGAL', 'gunlaw': 'FAVOR OR OPPOSE GUN PERMITS', 'H2OLIFE': 'WHAT PROPERTY OF WATER IS MOST IMPORTANT', 'hapmar': 'HAPPINESS OF MARRIAGE', 'happy': 'GENERAL HAPPINESS', 'hapunhap': 'HAPPY OR UNHAPPY WITH LIFE TODAY', 'HARJOB5': 'IN LAST 5 YRS, R HAS EVER BEEN HARRASSED ON JOB CUZ R WAS BELIEVED TO BE GAY/LES/BI', 'harmgood': 'MODERN SCIENCE DOES MORE HARM THAN GOOD', 'HARSEXCL': 'SINCE 18 R HAS EVER FOUND SELF THE OBJECT OF SEXUAL ADVANCES FROM RELIGIOUS LEADERS', 'HARSEXJB': 'R HAS BEEN THE OBJECT OF SEXUAL ADVANCES/PROPOSITIONS FROM SUPERVISOR S', 'health': 'CONDITION OF HEALTH', 'heaven': 'BELIEF IN HEAVEN', 'hefinfo': 'NUMBER OF HEF INFORMANT', 'hell': 'BELIEF IN HELL', 'helpblk': 'SHOULD GOVT AID BLACKS?', 'helpful': 'PEOPLE HELPFUL OR LOOKING OUT FOR SELVES', 'helpnot': 'SHOULD GOVT DO MORE OR LESS?', 'helpoth': 'TO HELP OTHERS', 'helpppoor': 'SHOULD GOVT IMPROVE STANDARD OF LIVING?', 'helpsick': 'SHOULD GOVT HELP PAY FOR MEDICAL CARE?', 'hhrace': 'RACE OF HOUSEHOLD', 'hhtype': 'HOUSEHOLD TYPE', 'hhtype1': 'HOUSEHOLD TYPE (CONDENSED)', 'hispanic': 'HISPANIC SPECIFIED', 'hivtest': 'Have you ever been tested for HIV', 'hivtest1': 'In what month and year was your last HIV test', 'hivtest2': 'Where did you have your last HIV test', 'HLTHCOVR': 'R HAS H

EALTH INSURANCE COVERAGE', 'HLTHTYPE': 'SOURCE OF HEALTH INSURANCE', 'homosex':  
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 L OF MATH R COMPLETED IN HIGH SCHOOL', 'hsphys': 'R EVER TOOK A HIGH SCHOOL PHYS  
 ICS COURSE', 'hubbywrk': 'HUSB SHLD WORK WIFE SHLD LOOK AFTER HOME', 'hunt': 'DO  
 ES R OR SPOUSE HUNT', 'HUSHREL1': 'LEADER1 TRIED TO KEEP R FROM TELLING OTHER PE  
 OPLE ABOUT THE RELATIONSHIP', 'HUSHREL2': 'LEADER2 TRIED TO KEEP R FROM TELLING  
 OTHER PEOPLE ABOUT THE RELATIONSHIP', 'id': 'RESPONDNT ID NUMBER', 'idu30': 'R I  
 NJECT DRUGS IN PAST 30 DAYS', 'if04who': 'WHO WOULD R HAS VOTED FOR IN 2004 ELEC  
 TION', 'incgap': 'INCOME DIFFERENTIALS IN USA TOO BIG', 'INCLSTJB': 'EARNINGS FR  
 OM ALL SOURCES FOR THIS JOB', 'incom16': 'RS FAMILY INCOME WHEN 16 YRS OLD', 'in  
 come': 'TOTAL FAMILY INCOME', 'income06': 'TOTAL FAMILY INCOME', 'indus80': 'RS  
 INDUSTRY CODE (1980)', 'inequal3': 'INEQUALITY EXISTS FOR BENEFIT OF RICH', 'i  
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 sp': 'IS INTERVIEWER SPANISH, HISPANIC OR LATINO', 'INTINTL': 'INTERESTED IN INT  
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 GENT -INTELLIGENT', 'INTMED': 'INTERESTED IN MEDICAL DISCOVERIES', 'INTMIL': 'IN  
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 HAT SORT OF JEW R WAS AT AGE 16', 'jobfind': 'COULD R FIND EQUALLY GOOD JOB', 'j  
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 R', 'KD1JWOTH': 'R'S CHILD 1 CONSIDERED JEWISH', 'kdlrelig': 'RELIGION OF R'S CH  
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 REN UNDER 18 HAVE EVER LIVED WITH R UNDER R'S CARE', 'KIDNOW1': 'R'S CHILDREN UN  
 DER 18 LIVING WITH R', 'KIDNOW2': 'R IS LIVING IN A HH WHERE CHILDREN UNDER 18 A  
 RE LIVING WITH R UNDER R'S CARE', 'KIDRESP': 'R IS LEGALLY RESPONSIBLE BIOLOGICA  
 L/ADOPTIVE PARENT OF A CHIND UNDER 18', 'kidssol': 'RS KIDS LIVING STANDARD COMP  
 ARED TO R', 'KNWCLSEX': 'R KNOWS OTHER PEOPLE WHO WERE OBJ OF SEXUAL ADVANCES',  
 'lasers': 'SCI KNOWLEDGE: LASERS WORK BY FOCUSING SOUND WAVES', 'LASTYRWK': 'THIN  
 KING ABOUT LAST FULL-TIME JOB, WHAT YR R WORKED LAST', 'LEAVEJB': 'WHY DID R LEA  
 VE LAST JOB', 'letdiel': 'ALLOW INCURABLE PATIENTS TO DIE', 'letdiely': 'ALLOW I  
 NCURABLE PATIENTS TO DIE (FORM 2)', 'letin1': 'NUMBER OF IMMIGRANTS TO AMERICA N  
 OWADAYS SHOULD BE', 'LFTPLANE': 'KEY FACTOR THAT ENABLES AIRPLANE TO LIFT', 'lib  
 ath': 'ALLOW ANTI-RELIGIOUS BOOK IN LIBRARY', 'libcom': 'ALLOW COMMUNISTS BOOK I  
 N LIBRARY', 'libhomo': 'ALLOW HOMOSEXUALS BOOK IN LIBRARY', 'libmil': 'ALLOW MIL  
 ITARISTS BOOK IN LIBRARY', 'LIBMSLM': 'ALLOW ANTI-AMERICAN MUSLIM CLERGYMEN'S BO  
 OKS IN LIBRARY', 'librac': 'ALLOW RACISTS BOOK IN LIBRARY', 'life': 'IS LIFE EXC  
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 LF WHITE NEIGHBORHOOD', 'localnum': 'NUMBER OF EMPLOYEES: RS WORK SITE', 'LOSEJB  
 12': 'HOW LIKELY R WILL LOSE JOB OR LAID OFF IN NEXT 1 YR', 'LOSEJOB5': 'IN LAST  
 5 YRS, R HAS BEEN DENIED A JOB OR FIRED CUZ EMPLOYER BELIEVED R WAS GAY/LES/B  
 I', 'LOSTJOBS': 'JOBS TAKEN AWAY ARE BETTER THAN R'S CURRENT JOB', 'maboygrl':  
 "DOES MOM'S GENE DECIDE BABY'S SEX", 'madeg': 'MOTHERS HIGHEST DEGREE', 'madenk  
 id': 'IF PROTESTANT, MOTHER'S DENOMINATION', 'maeduc': 'HIGHEST YEAR SCHOOL COMP  
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 & 1988 ISCO CODE', 'majew': 'WHAT SORT OF JEW WAS RS MOTHER', 'majorcol': 'THE  
 FIELD OF DEGREE R EARNED', 'MAJWOTH': 'R'S MOM WAS JEWISH WHEN R WAS GROWING U  
 P', 'MAKEFRND': 'RELIGION HELPS PEOPLE TO MAKE FRIENDS', 'maocc80': 'MOTHERS CEN

SUS OCCUPATION CODE (1980)', 'mapa': 'CONTRAST BETWEEN MOTHER AND FATHER', 'mapres80': 'MOTHERS OCCUPATIONAL PRESTIGE SCORE (1980)', 'marasian': 'CLOSE RELATIVE MARRY ASIAN', 'marblk': 'CLOSE RELATIVE MARRY BLACK', 'marelig': 'WHAT WAS MOTHERS RELIGIOUS PREFERENCE', 'marelkid': 'MOTHERS RELIGION WHEN R WAS CHILD', 'marhisp': 'CLOSE RELATIVE MARRY HISPANIC', 'marhomo': 'HOMOSEXUALS SHOULD HAVE RIGHT TO MARRY', 'marital': 'MARITAL STATUS', 'MARUNION': 'LEGAL MARITAL STATUS', 'marwhit': 'R FAVOR CLOSE RELATIVE MARRYING WHITE PERSON', 'masei': 'R'S MOTHER'S SOCIOECONOMIC INDEX', 'mastersp': 'CONTRAST BETWEEN MASTER AND SPOUSE', 'matesex': 'WAS 1 OF RS PARTNERS SPOUSE OR REGULAR', 'mawrkgrw': 'MOTHERS EMPLOYMENT WHEN R WAS 16', 'mawrkself': 'MOTHER SELF-EMP. OR WORKED FOR SOMEBODY', 'MEETF2F1': 'HOW OFTEN MEET FACE TO FACE WITH CUSTOMERS, CLIENTS, PATIENTS', 'MEETF2F2': 'HOW OFTEN MEET FACE TO FACE WITH CO-WORKERS TO WORK ON PROJECTS', 'meovrwrk': 'MEN HURT FAMILY WHEN FOCUS ON WORK TOO MUCH', 'miracles': 'BELIEF IN RELIGIOUS MIRACLES', 'mobile16': 'GEOGRAPHIC MOBILITY SINCE AGE 16', 'MORETRDE': 'MORE TRADE, LESS JOBS IN USA', 'MYKIDS': 'R'S CURRENT INSURANCE PLAN COVERS CHILDREN', 'MYWYAGOD': 'R HAS OWN WAY OF CONNECTING WITH GOD WITHOUT CHURCHES OR RELIGIOUS SERVICES', 'NANOBN': 'BALANCE WILL BE STRONGLY IN FAVOR OF THE BENEFITS OR SLIGHTLY', 'NANOHARM': 'BALANCE WILL BE STRONGLY IN FAVOR OF THE BENEFITS OR SLIGHTLY', 'nanoknw1': 'TRUE-FALSE:NANOTECHNOLOGY MANIPULATE EXTREMELY SMALL UNITS', 'nanoknw2': 'TRUE-FALSE:NANOSCALE DIFFER FROM SAME MATERIAL AT LARGER SCALE', 'nanotech': 'HOW MUCH R HEARD ABOUT NANOTECHNOLOGY', 'nanowill': 'BENEFIT OF NANOTECHNOLOGY OUTWEIGH HARMFUL RESULTS', 'nataid': 'FOREIGN AID', 'nataidy': 'ASSISTANCE TO OTHER COUNTRIES -- VERSION Y', 'natarms': 'MILITARY, ARMAMENTS, AND DEFENSE', 'natarmysy': 'NATIONAL DEFENSE -- VERSION Y', 'natchld': 'ASSISTANCE FOR CHILDCARE', 'natcity': 'SOLVING PROBLEMS OF BIG CITIES', 'natcityy': 'ASSISTANCE TO BIG CITIES -- VERSION Y', 'natcrime': 'HALTING RISING CRIME RATE', 'natcrim': 'LAW ENFORCEMENT -- VERSION Y', 'NATDEG': 'IN WHICH COUNTRY DID YOU OBTAIN YOUR HIGHEST DEGREE?', 'natdrug': 'DEALING WITH DRUG ADDICTION', 'natdrugy': 'DRUG REHABILITATION -- VERSION Y', 'nateduc': 'IMPROVING NATIONS EDUCATION SYSTEM', 'nateducy': 'EDUCATION -- VERSION Y', 'natenvir': 'IMPROVING & PROTECTING ENVIRONMENT', 'natenviy': 'THE ENVIRONMENT -- VERSION Y', 'natfare': 'WELFARE', 'natfarey': 'ASSISTANCE TO THE POOR -- VERSION Y', 'natheal': 'IMPROVING & PROTECTING NATIONALS HEALTH', 'nathealy': 'HEALTH -- VERSION Y', 'natmass': 'MASS TRANSPORTATION', 'natpark': 'PARKS AND RECREATION', 'natrace': 'IMPROVING THE CONDITIONS OF BLACKS', 'natracey': 'ASSISTANCE TO BLACKS -- VERSION Y', 'natroad': 'HIGHWAYS AND BRIDGES', 'natsci': 'SUPPORTING SCIENTIFIC RESEARCH', 'natsoc': 'SOCIAL SECURITY', 'natspac': 'SPACE EXPLORATION PROGRAM', 'natspacy': 'SPACE EXPLORATION -- VERSION Y', 'NEGJOB5': 'IN LAST 5 YRS, R BEEN DENIED PROMO OR RECVD BAD EVALUATION CUZ EMPLOYR BELIVD R WAS GAY/LES/BI', 'NEWJOBS': 'JOBS CREATED ARE BETTER THAN R'S CURRENT JOB', 'news': 'HOW OFTEN DOES R READ NEWSPAPER', 'newsfrom': 'MAIN SOURCE OF INFORMATION ABOUT EVENTS IN THE NEWS', 'nextgen': 'SCIENCE & TECH. GIVE MORE OPPORTUNITIES TO NEXT GENERATION', 'nihilism': 'LIFE SERVES NO PURPOSE', 'NIRVANA': 'BELIEVE IN NIRVANA', 'NUMCLERG': 'WITH HOW MANY DIFFERENT LEADERS HAS THIS HAPPENED TO YOU', 'numemps': 'NUMBER OF EMPLOYEE FOR THE SELF-EMPLOYED', 'NUMEMPS5': 'HOW MANY PEOPLE R EMPLOYED 5 YRS AFTER', 'nummen': 'NUMBER OF MALE SEX PARTNERS SINCE 18', 'NUMOWN': 'NUMBER OF BUSINESSES YOU OWN AND MANAGE', 'numwomen': 'NUMBER OF FEMALE SEX PARTNERS SINCE 18', 'obey': 'TO OBEY', 'occ80': 'RS CENSUS OCCUPATION CODE (1980)', 'odds1': 'TEST OF KNOWLEDGE ABOUT PROBABILITY1', 'odds2': 'TEST OF KNOWLEDGE ABOUT PROBABILITY2', 'old1': 'AGE OF 1ST PERSON', 'old10': 'AGE OF 10TH PERSON', 'old11': 'AGE OF 11TH PERSON (VISITOR)', 'old12': 'AGE OF 12TH PERSON (VISITOR)', 'old13': 'AGE OF 13TH PERSON (VISITOR)', 'old2': 'AGE OF 2ND PERSON', 'old3': 'AGE OF 3RD PERSON', 'old4': 'AGE OF 4TH PERSON', 'old5': 'AGE OF 5TH PERSON', 'old6': 'AGE OF 6TH PERSON', 'old7': 'AGE OF 7TH PERSON', 'old8': 'AGE OF 8TH PERSON', 'old9': 'AGE OF 9TH PERSON', 'ONGOREL1': 'R HAD AN ONGOING RELATIONSHIP WITH LEADER1', 'ONGOREL2': 'R HAD AN ONGOING RELATIONSHIP WITH LEADER2', 'ONGOREL3': 'R HAD AN ONGOING RELATIONSHIP WITH LEADER3', 'OPENREL1': 'R AND LEADER EVER BECOME AN OPENLY ACKNOWLEDGED COUPLE', 'OPENREL2': 'R AND LEADER EVER BECOME AN OPENLY ACKNOWLEDGED COUPLE', 'OPENREL3': 'R AND LEADER EVER BECOME AN OPENLY ACKNOWLEDGED COUPLE', 'oth16': 'OTHER PROTESTANT DENOMINATIONS', 'other': 'OTHER PROTESTANT DENOMINATIONS', 'othersex': 'R HAD SEX WITH SOME OTHER LAST YEAR', 'OTHJEW': 'CONSIDER SELF TO BE JEWISH', 'OTHJEW16': 'R RAISED AS A JEW', 'OTHKIDS': 'R'S CURRENT INSURANCE PLAN COVERS CHILDREN FOR WHOM R NOT A BIO/ADOPTIVE PARENT', 'othlang': 'CAN R SPEAK LANGUAGE OTHER THAN ENGLISH', 'othlang1': 'WHAT OTHER LANGUAGES DOES R SPEAK', 'othlang2': 'WHAT OTHER LANGUAGES DOES R SPEAK', 'OTHPLAN': 'OTHER NAME FOR INSURANCE OR HM

O POLICY', 'oversamp': 'WEIGHTS FOR BLACK OVERSAMPLES', 'OWNBIZ': 'R OWNS BUSINESS', 'OWNCLERG': 'DID THIS HAPPEN WITH A LEADER IN CONGREGATION R WAS ATTENDING', 'owngun': 'HAVE GUN IN HOME', 'OWNINC': 'AMT OF HOUSEHOLD INCOME COMING FROM THIS BUSINESS', 'padeg': 'FATHERS HIGHEST DEGREE', 'padenkid': 'IF PROTESTANT, FATHER'S DENOMINATION', 'paeduc': 'HIGHEST YEAR SCHOOL COMPLETED, FATHER', 'PAIDEMPS': 'R HAS PAID EMPLOYEES', 'paidsex': 'R HAD SEX FOR PAY LAST YEAR', 'paid80': 'FATHERS INDUSTRY CODE (1980)', 'paisc681': 'R'S FATHER'S OCCUPATION, 1980 CENSUS', 'paisco88': 'R'S FATHER'S OCCUPATION, 1980 CENSUS & 1988 ISCO CODE', 'pajew': 'WHAT SORT OF JEW WAS RS FATHER', 'PAJWOTH': 'R'S DAD WAS JEWISH WHEN R WAS GROWING UP', 'paocc80': 'FATHERS CENSUS OCCUPATION CODE (1980)', 'papres80': 'FATHERS OCCUPATIONAL PRESTIGE SCORE (1980)', 'parborn': 'WERE RS PARENTS BORN IN THIS COUNTRY', 'parelig': 'WHAT WAS FATHERS RELIGIOUS PREFERENCE', 'parelkid': 'FATHER'S RELIGION WHEN R WAS CHILD', 'parsol': 'RS LIVING STANDARD COMPARED TO PARENTS', 'partfull': 'WAS R'S WORK PART-TIME OR FULL-TIME?', 'partners': 'HOW MANY SEX PARTNERS R HAD IN LAST YEAR', 'partnrs5': 'HOW MANY SEX PARTNERS R HAD IN LAST 5 YEARS', 'partyid': 'POLITICAL PARTY AFFILIATION', 'pasei': 'R'S FATHER'S SOCIOECONOMIC INDEX', 'PASTPAY': 'WAS R'S STARTING PAY HIGHER/LOWER/SAME AS EARNING IN PREVIOUS JOB', 'pawrkslf': 'FATHER SELF-EMP. OR WORKED FOR SOME BODY', 'PAXHAPPY': 'RELIGION HELPS PEOPLE TO FIND INNER PEACE AND HAPPINESS', 'PAYCHNGE': 'HOW MUCH HAS R PAY CHANGED ON R'S CURRENT JOB SINCE R BEGAN', 'permoral': 'R AGREES THAT MORALITY A PERSONAL MATTER', 'PERSCRFC': 'R MADE SOME PERSONAL SACRIFICE AS AN EXPRESSION OF FAITH BY FASTING, GIVING UP ACTIVITY, ETC.', 'phase': 'Subsampling: two-phase design.', 'phone': 'DOES R HAVE TELEPHONE', 'pikupsex': 'R HAD SEX WITH CASUAL DATE LAST YEAR', 'pillok': 'BIRTH CONTROL TO TEENAGERS 14-16', 'pilloky': 'BIRTH CONTROL TO TEENAGERS 14-16 (FORM 2)', 'pistol': 'PISTOL OR REVOLVER IN HOME', 'polabuse': 'CITIZEN SAID VULGAR OR OBSCENE THING', 'polattak': 'CITIZEN ATTACKING POLICEMAN WITH FISTS', 'polescap': 'CITIZEN ATTEMPTING TO ESCAPE CUSTODY', 'polhitok': 'EVER APPROVE OF POLICE STRIKING CITIZEN', 'polhitoy': 'EVER APPROVE OF POLICE STRIKING CITIZEN (FORM 2)', 'polmurdr': 'CITIZEN QUESTIONED AS MURDER SUSPECT', 'polviews': 'THINK OF SELF AS LIBERAL OR CONSERVATIVE', 'popespks': 'POPE IS INFALLIBLE ON MATTERS OF FAITH OR MORALS', 'popespky': 'POPE IS INFALLIBLE ON MATTERS OF FAITH OR MORALS (FORM 2)', 'popular': 'TO BE WELL LIKED OR POPULAR', 'pornlaw': 'FEELINGS ABOUT PORNOGRAPHY LAWS', 'postlife': 'BELIEF IN LIFE AFTER DEATH', 'pray': 'HOW OFTEN DOES R PRAY', 'prayer': 'BIBLE PRAYER IN PUBLIC SCHOOLS', 'prayfreq': 'HOW OFTEN DOES R PRAY', 'premars1': 'IS PREMARITAL SEX WRONG?', 'premarsx': 'SEX BEFORE MARRIAGE', 'pres04': 'VOTE FOR KERRY, BUSH, NADER', 'prestg80': 'RS OCCUPATIONAL PRESTIGE SCORE (1980)', 'preteen': 'HOUSEHOLD MEMBERS 6 THRU 12 YRS OLD', 'punsin': 'R AGREES THAT SINNERS MUST BE PUNISHED', 'racdif1': 'DIFFERENCES DUE TO DISCRIMINATION', 'racdif2': 'DIFFERENCES DUE TO INBORN DISABILITY', 'racdif3': 'DIFFERENCES DUE TO LACK OF EDUCATION', 'racdif4': 'DIFFERENCES DUE TO LACK OF WILL', 'race': 'RACE OF RESPONDENT', 'racecen1': 'WHAT IS RS RACE 1ST MENTION', 'racecen2': 'WHAT IS RS RACE 2ND MENTION', 'racecen3': 'WHAT IS RS RACE 3RD MENTION', 'raclive': 'ANY OPP. RACE IN NEIGHBORHOOD', 'racopen': 'VOTE ON OPEN HOUSING LAW', 'racpres': 'WOULD VOTE FOR BLACK PRESIDENT', 'racwork': 'RACIAL MAKEUP OF WORKPLACE', 'radioact': 'SCI KNOWLEDGE:ALL RADIOACTIVITY IS MAN-MADE', 'reborn': 'HAS R EVER HAD A 'BORN AGAIN' EXPERIENCE', 'regl6': 'REGION OF RESIDENCE, AGE 16', 'region': 'REGION OF INTERVIEW', 'REINCAR': 'BELIEVE IN REINCARNATION', 'relativ': 'HOW OFTEN DOES R TAKE PART IN RELIG ACTIVITIES', 'relatel': 'RELATIONSHIP OF 1ST PERSON TO HOUSEHOLD HEAD', 'relatel0': 'RELATIONSHIP OF 10TH PERSON TO HOUSEHOLD HEAD', 'relatel1': 'RELATION OF 11TH PERSON (VISITOR) TO HEAD', 'relatel2': 'RELATION OF 12TH PERSON (VISITOR) TO HEAD', 'relatel3': 'RELATION OF 13TH PERSON (VISITOR) TO HEAD', 'relate2': 'RELATIONSHIP OF 2ND PERSON TO HOUSEHOLD HEAD', 'relate3': 'RELATIONSHIP OF 3RD PERSON TO HOUSEHOLD HEAD', 'relate4': 'RELATIONSHIP OF 4TH PERSON TO HOUSEHOLD HEAD', 'relate5': 'RELATIONSHIP OF 5TH PERSON TO HOUSEHOLD HEAD', 'relate6': 'RELATIONSHIP OF 6TH PERSON TO HOUSEHOLD HEAD', 'relate7': 'RELATIONSHIP OF 7TH PERSON TO HOUSEHOLD HEAD', 'relate8': 'RELATIONSHIP OF 8TH PERSON TO HOUSEHOLD HEAD', 'relate9': 'RELATIONSHIP OF 9TH PERSON TO HOUSEHOLD HEAD', 'relatsex': 'RELATION TO LAST SEX PARTNER', 'RELCAND': 'R ACCEPTS A PERSON FROM A DIFFERENT RELIGION OR VIEW FROM R'S BEING CANDIDATE OF PARTY R PREFERS', 'relexp': 'HAVE RELIGIOUS EXPERIENCE CHANGED LIFE', 'relexper': 'TURNING POINT IN LIFE FOR RELIGION', 'RELEXT1': 'RELIGIOUS EXTREMISTS SHOULD BE ALLOWED TO HOLD PUBLIC MEETING TO EXPRESS VIEWS', 'RELEXT2': 'PEOPLE SHOULD BE ALLOWED TO PUBLISH BOOKS EXPRESSING THEIR VIEWS', 'RELGENDR': 'WHAT IS YOUR RELATIONSHIP SITUATION', 'RELGRPEQ': 'ALL RELIGIOUS GROUPS IN USA SHOULD HAVE EQUAL RIGHTS'

HTS', 'relhh1': 'RELATIONSHIP OF PERSON 1 TO HEAD OF HOUSEHOLD', 'relhh10': 'RELATIONSHIP OF PERSON 10 TO HEAD OF HOUSEHOLD', 'relhh11': 'RELATIONSHIP OF PERSON 11 TO HEAD OF HOUSEHOLD', 'relhh12': 'RELATIONSHIP OF PERSON 12 TO HEAD OF HOUSEHOLD', 'relhh13': 'RELATIONSHIP OF PERSON 13 TO HEAD OF HOUSEHOLD', 'relhh2': 'RELATIONSHIP OF PERSON 2 TO HEAD OF HOUSEHOLD', 'relhh3': 'RELATIONSHIP OF PERSON 3 TO HEAD OF HOUSEHOLD', 'relhh4': 'RELATIONSHIP OF PERSON 4 TO HEAD OF HOUSEHOLD', 'relhh5': 'RELATIONSHIP OF PERSON 5 TO HEAD OF HOUSEHOLD', 'relhh6': 'RELATIONSHIP OF PERSON 6 TO HEAD OF HOUSEHOLD', 'relhh7': 'RELATIONSHIP OF PERSON 7 TO HEAD OF HOUSEHOLD', 'relhh8': 'RELATIONSHIP OF PERSON 8 TO HEAD OF HOUSEHOLD', 'relhh9': 'RELATIONSHIP OF PERSON 9 TO HEAD OF HOUSEHOLD', 'relhhd1': 'RELATION OF 1ST PERSON TO HOUSEHOLD HEAD', 'relhhd10': 'RELATION OF 10TH PERSON TO HOUSEHOLD HEAD', 'relhhd11': 'RELATION OF 11TH PERSON (VISITOR) TO HEAD', 'relhhd12': 'RELATION OF 12TH PERSON (VISITOR) TO HEAD', 'relhhd13': 'RELATION OF 13TH PERSON (VISITOR) TO HEAD', 'relhhd2': 'RELATION OF 2ND PERSON TO HOUSEHOLD HEAD', 'relhhd3': 'RELATION OF 3RD PERSON TO HOUSEHOLD HEAD', 'relhhd4': 'RELATION OF 4TH PERSON TO HOUSEHOLD HEAD', 'relhhd5': 'RELATION OF 5TH PERSON TO HOUSEHOLD HEAD', 'relhhd6': 'RELATION OF 6TH PERSON TO HOUSEHOLD HEAD', 'relhhd7': 'RELATION OF 7TH PERSON TO HOUSEHOLD HEAD', 'relhhd8': 'RELATION OF 8TH PERSON TO HOUSEHOLD HEAD', 'relhhd9': 'RELATION OF 9TH PERSON TO HOUSEHOLD HEAD', 'relig': 'RS RELIGIOUS PREFERENCE', 'religl6': 'RELIGION IN WHICH RAISED', 'religcon': 'RELIGIONS BRING MORE CONFLICT', 'religint': 'RELIGIOUS PEOPLE ARE OFTEN TOO INTOLERANT', 'religkid': 'RELIGION R WAS RAISED IN', 'religsp': 'R'S SPOUSE'S RELIGION', 'reliten': 'STRENGTH OF AFFILIATION', 'rellife': 'TRY TO CARRY BELIEFS INTO OTHER DEALINGS', 'RELMARRY': 'R ACCEPTS A PERSON FROM A DIFFERENT RELIGION OR VIEW FROM R'S MARRYING RELATIVE', 'relneg': 'ANY TURNING POINT WHEN LESS COMMITTED TO RELIGION', 'RELOBJCT': 'FOR RELIGIOUS REASONS R HAS IN HOME SHRINE, ALTAR, OR RELIGIOUS OBJECT ON DISPLAY', 'relpersn': 'R CONSIDER SELF A RELIGIOUS PERSON', 'relsp1': 'RELATIONSHIP OF PERSON 1 TO SPOUSE OF HOUSEHOLD', 'relsp10': 'RELATIONSHIP OF PERSON 10 TO SPOUSE OF HOUSEHOLD', 'relsp11': 'RELATIONSHIP OF PERSON 11 TO SPOUSE OF HOUSEHOLD', 'relsp12': 'RELATIONSHIP OF PERSON 12 TO SPOUSE OF HOUSEHOLD', 'relsp2': 'RELATIONSHIP OF PERSON 2 TO SPOUSE OF HOUSEHOLD', 'relsp3': 'RELATIONSHIP OF PERSON 3 TO SPOUSE OF HOUSEHOLD', 'relsp4': 'RELATIONSHIP OF PERSON 4 TO SPOUSE OF HOUSEHOLD', 'relsp5': 'RELATIONSHIP OF PERSON 5 TO SPOUSE OF HOUSEHOLD', 'relsp6': 'RELATIONSHIP OF PERSON 6 TO SPOUSE OF HOUSEHOLD', 'relsp7': 'RELATIONSHIP OF PERSON 7 TO SPOUSE OF HOUSEHOLD', 'relsp8': 'RELATIONSHIP OF PERSON 8 TO SPOUSE OF HOUSEHOLD', 'relsp9': 'RELATIONSHIP OF PERSON 9 TO SPOUSE OF HOUSEHOLD', 'RELSPT': 'IS R SPIRITUAL PERSON', 'reltruth': 'HOW MUCH TRUTH IN RELIGION', 'res16': 'TYPE OF PLACE LIVED IN WHEN 16 YRS OLD', 'RES2006': 'WAS R LIVING IN USA DURING MARCH-MAY 2006', 'respnum': 'NUMBER IN FAMILY OF R', 'richwork': 'IF RICH, CONTINUE OR STOP WORKING', 'rifle': 'RIFLE IN HOME', 'RIGHTPEO': 'RELIGION HELPS PEOPLE TO MEET THE RIGHT KIND OF PEOPLE', 'rincom06': 'RESPONDENTS INCOME', 'rincome': 'RESPONDENTS INCOME', 'rotapple': 'R AGREES IMMORAL PERSON CORRUPTS SOCIETY', 'rowngun': 'DOES GUN BELONG TO R', 'rplace': 'R'S RELATIONSHIP TO HOUSEHOLD HEAD', 'RSPCTREL': 'WE MUST RESPECT ALL RELIGIONS', 'rvisit or': 'IS R A VISITOR?', 'SALTH20': 'OCEAN WATER FOR VEGETABLES', 'sampcode': 'SAMPLING ERROR CODE', 'sample': 'SAMPLING FRAME AND METHOD', 'satfin': 'SATISFACTION WITH FINANCIAL SITUATION', 'satjob': 'JOB OR HOUSEWORK', 'savesoul': 'TRIED TO CONVINCE OTHERS TO ACCEPT JESUS', 'scibnfts': 'BENEFITS OF SCI RESEARCH OUTWEIGHT HARMFUL RESULTS', 'scifrom': 'MAIN SOURCE OF INFORMATION ABOUT SCIENCE AND TECHNOLOGY', 'sciintro': 'WHICH VERSION OF SCIENCE INTRODUCTION WAS USED', 'SCIMATH': 'QUALITY OF SCIENCE & MATH EDUC IN US IS INADEQUATE', 'scimode': 'WAS SAQ SELF ADMINISTERED OR INTERVIEW ADMINISTERED', 'scistudy': 'R HAS CLEAR UNDERSTANDING OF SCIENTIFIC STUDY', 'scitext': 'WHAT IT MEANS TO R TO STUDY SCIENTIFICALLY', 'seeksci': 'PROBABLE SOURCE OF INFORMATION ABOUT SCIENTIFIC ISSUES', 'SEESAND': 'WHICH PICTURE SHOWS WHAT SHE SHOULD USE FOR THE 2ND POT', 'sei': 'RESPONDENT'S SOCIOECONOMIC INDEX', 'sex': 'RESPONDENTS SEX', 'sexeduc': 'SEX EDUCATION IN PUBLIC SCHOOLS', 'sexfreq': 'FREQUENCY OF SEX DURING LAST YEAR', 'SEXORNT': 'SEXUAL ORIENTATION', 'sexsex': 'SEX OF SEX PARTNERS IN LAST YEAR', 'SEXSEX18': 'SINCE AGE 18, HAVE YOUR SEX PARTNERS BEEN?', 'sexsex5': 'SEX OF SEX PARTNERS LAST FIVE YEARS', 'SEXUNION': 'SEX OF R'S SPOUSE/CIVIL UNION PARTNER/DOMESTIC PARTNER', 'shotgun': 'SHOTGUN IN HOME', 'sibs': 'NUMBER OF BROTHERS AND SISTERS', 'socbar': 'SPEND EVENING AT BAR', 'socfrend': 'SPEND EVENING WITH FRIENDS', 'socommu n': 'SPEND EVENING WITH NEIGHBOR', 'socrel': 'SPEND EVENING WITH RELATIVES', 'solarrev': 'SCI KNOWLEDGE:HOW LONG THE EARTH GOES AROUND THE SUN', 'spaneng': 'Interviews Conducted in Spanish or English', 'spanint': 'If no Spanish, R could have



e been interviewed in English', 'spanking': 'FAVOR SPANKING TO DISCIPLINE CHILD', 'spanself': 'If this interview had only been available in English, would you?', 'spdeg': 'SPOUSES HIGHEST DEGREE', 'spden': 'SPECIFIC DENOMINATION, SPOUSE', 'speduc': 'HIGHEST YEAR SCHOOL COMPLETED, SPOUSE', 'spevwork': 'SPOUSE EVER WORK AS LONG AS A YEAR', 'spfund': 'HOW FUNDAMENTALIST IS SPOUSE CURRENTLY', 'sphrs1': 'NUMBER OF HRS SPOUSE WORKED LAST WEEK', 'sphrs2': 'NO. OF HRS SPOUSE USUALLY WORKS A WEEK', 'spind80': 'SPOUSES INDUSTRY CODE (1980)', 'spisc681': 'R'S SPOUSE'S OCCUPATION, 1980 CENSUS', 'spisco88': 'R'S SPOUSE'S OCCUPATION, 1980 CENSUS & 1988 ISCO CODE', 'spjew': 'WHAT SORT OF JEW IS RS SPOUSE CURRENTLY', 'spjew16': 'WHAT SORT OF JEW WAS RS SPOUSE AT 16', 'SPJOTH16': 'R'S SPOUSE RAISED JEWISH', 'spjrel16': 'RELIGION IN WHICH SPOUSE RAISED', 'spkath': 'ALLOW ANTI-RELIGIONIST TO SPEAK', 'spkcom': 'ALLOW COMMUNIST TO SPEAK', 'spkhomo': 'ALLOW HOMOSEXUAL TO SPEAK', 'spklang': 'HOW WELL DOES R SPEAK OTHER LANGUAGE', 'spkmil': 'ALLOW MILITARIST TO SPEAK', 'SPKMSLM': 'ALLOW MUSLIM CLERGYMEN PREACHING HATRED OF THE US', 'spkrac': 'ALLOW RACIST TO SPEAK', 'spocc80': 'SPOUSE CENSUS OCCUPATION CODE (1980)', 'spother': 'OTHER PROTESTANT DENOMINATIONS', 'SPOTHJEW': 'SPOUSE CONSIDERS SELF JEWISH', 'SPPART': 'R'S CURRENT INSURANCE PLAN COVERS SPOUSE', 'sppres80': 'SPOUSES OCCUPATIONAL PRESTIGE SCORE (1980)', 'sprel': 'SPOUSES RELIGIOUS PREFERENCE', 'sprtpsrn': 'R CONSIDER SELF A SPIRITUAL PERSON', 'spsei': 'R'S SPOUSE'S SOCIOECONOMIC INDEX', 'spwrkslf': 'SPOUSE SELF-EMP. OR WORKS FOR SOMEBODY', 'spwrksta': 'SPOUSE LABOR FORCE STATUS', 'STARTBIZ': 'R TRYING TO START BUSINESS', 'stormtxt': 'DO YOU SEE LIGHTNING BEFORE HEARING THUNDER', 'suicidel': 'SUICIDE IF INCURABLE DISEASE', 'suicide2': 'SUICIDE IF BANKRUPT', 'suicide3': 'SUICIDE IF DISHONORED FAMILY', 'suicide4': 'SUICIDE IF TIRED OF LIVING', 'SYNMEM': 'R BELONGS TO A SYNAGOGUE, TEMPLE, MINYAN, OR HIGH HOLIDAY CONGREGATION', 'tax': 'RS FEDERAL INCOME TAX', 'taxrich': 'TAXES ON HIGH INCOME PEOPLE TOO HIGH', 'taxshare': 'SHOULD RICH PAY BIGGER SHARE OF TAXES?', 'teens': 'HOUSEHOLD MEMBERS 13 THRU 17 YRS OLD', 'teensex': 'SEX BEFORE MARRIAGE -- TEENS 14-16', 'theism': 'GOD CONCERNED WITH HUMAN BEINGS PERSONALLY', 'thnkself': 'TO THINK FOR ONES SELF', 'TOLDEXP1': 'R HAS EVER TOLD ANYONE ABOUT EXPERIENCE WITH LEADER1', 'TOLDEXP2': 'R HAS EVER TOLD ANYONE ABOUT EXPERIENCE WITH LEADER2', 'TOLDEXP3': 'R HAS EVER TOLD ANYONE ABOUT EXPERIENCE WITH LEADER3', 'toldrel1': 'R EVER TOLD ANY AUTHORITY IN CONGREGATION ABOUT EXPERIENCE WITH LEADER1', 'toldrel2': 'R EVER TOLD ANY AUTHORITY IN CONGREGATION ABOUT EXPERIENCE WITH LEADER2', 'toldrel3': 'R EVER TOLD ANY AUTHORITY IN CONGREGATION ABOUT EXPERIENCE WITH LEADER3', 'TOLDSMSX': 'AT WHAT AGE YOU FIRST TOLD SOMEONE THAT YOU HAD SEX WITH SAME SEX', 'TOLDSXOR': 'AT WHAT AGE YOU FIRST TOLD SOMEONE THAT YOU WERE GAY/LES/BI', 'TOLDWORK': 'HOW MANY OF R'S COWORKERS KNOW R IS GAY/LES/BI', 'toofast': 'SCIENCE MAKES OUR WAY OF LIFE CHANGE TOO FAST', 'trust': 'CAN PEOPLE BE TRUSTED', 'trustsci': 'WE TRUST TOO MUCH IN SCIENCE', 'tvhours': 'HOURS PER DAY WATCHING TV', 'TYPEVISA': 'WHAT KIND OF VISA', 'unemp': 'EVER UNEMPLOYED IN LAST TEN YRS', 'union': 'DOES R OR SPOUSE BELONG TO UNION', 'unrelat': 'NUMBER IN HOUSEHOLD NOT RELATED', 'UPBREATH': 'WHY SHORT BREATH AT THE TOP OF A MOUNTAIN', 'USCITZN': 'IS R US CITIZEN', 'uswary': 'EXPECT U.S. IN WORLD WAR IN 10 YEARS', 'version': 'VERSION OF QUESTIONNAIRE', 'viruses': 'SCI KNOWLEDGE:ANTIVIROTICS KILL VIRUSES AS WELL AS BACTERIA', 'VISA': 'DO YOU HOLD A SPECIAL VISA', 'VISART': 'HOW OFTEN R VISITED ART MUSEUM LAST YEAR', 'visitors': 'NUMBER OF VISITORS IN HOUSEHOLD', 'VISLIB': 'HOW OFTEN R VISITED PUBLIC LIBRARY LAST YEAR', 'VISNHIST': 'HOW OFTEN R VISITED NATURAL HISTORY MUSEUM LAST YEAR', 'VISSCI': 'HOW OFTEN R VISITED SCIENCE MUSEUM', 'VISTHOLY': 'HOW OFTEN R VISITS HOLY PLACE FOR RELIGIOUS REASONS', 'VISZOO': 'HOW OFTEN R VISITED ZOO LAST YEAR', 'vote04': 'DID R VOTE IN 2004 ELECTION', 'weekswrk': 'WEEKS R. WORKED LAST YEAR', 'WEIGHING': 'WHICH IS THE BEST METHOD TO REPORT WEIGHT OF LEAF', 'where1': 'WHERE IS 1ST PERSON STAYING?', 'where11': 'WHERE IS 11TH PERSON (VISITOR) STAYING?', 'where12': 'WHERE IS 12TH PERSON (VISITOR) STAYING?', 'where2': 'WHERE IS 2ND PERSON STAYING?', 'where3': 'WHERE IS 3RD PERSON STAYING?', 'where4': 'WHERE IS 4TH PERSON STAYING?', 'where5': 'WHERE IS 5TH PERSON STAYING?', 'where6': 'WHERE IS 6TH PERSON STAYING?', 'where7': 'WHERE IS 7TH PERSON STAYING?', 'where8': 'WHERE IS 8TH PERSON STAYING?', 'WHYBIZ': 'WHY DID R START BUSINESS', 'whyjbct1': 'WHY JOB ABOLISHED OR LAID OFF', 'whyjbct2': 'WHY JOB ABOLISHED OR LAID OFF', 'WHYLEAVE': 'WHY R LEFT LAST JOB', 'whylose1': 'WHY THAT MUCH POSSIBILITY OF JOB ABOLISHED OR LAID OFF', 'whylose2': 'WHY THAT MUCH POSSIBILITY OF JOB ABOLISHED OR LAID OFF', 'whylose3': 'WHY THAT MUCH POSSIBILITY OF JOB ABOLISHED OR LAID OFF', 'whynojb1': 'WHY JOB ABOLISHED OR LAID OFF', 'whynojb2': 'WHY JOB ABOLISHED OR LAID OFF', 'widowed': 'EVER BEEN WIDOWED', 'WKCOMPTR': 'USE COMPUTER AT WORK', 'wksub': 'DOES R OR SP

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HOUSE HAVE SUPERVISOR', 'wksubs': 'DOES SUPERVISOR HAVE SUPERVISOR', 'wksup': 'DOES R OR SPOUSE SUPERVISE ANYONE', 'wksups': 'DOES SUBORDINATE SUPERVISE ANYONE',
'wlthblks': 'RICH - POOR', 'wlthwhts': 'RICH - POOR', 'WOCMPTR': 'R CAN DO JOB WITHOUT COMPUTER', 'worda': 'WORD A', 'wordb': 'WORD B', 'wordc': 'WORD C', 'wordd': 'WORD D', 'worde': 'WORD E', 'wordf': 'WORD F', 'wordg': 'WORD G', 'wordh': 'WORD H', 'wordi': 'WORD I', 'wordj': 'WORD J', 'wordsum': 'NUMBER WORDS CORRECT IN VOCABULARY TEST', 'WORK3YRS': 'HOW MANY FULL TIME JOBS R HAS IN PAST 3 YRS SINCE 2005', 'workblks': 'HARD WORKING - LAZY', 'workhard': 'TO WORK HARD', 'workwhts': 'HARD WORKING - LAZY', 'wrkgovt': 'GOVT OR PRIVATE EMPLOYEE', 'wrkslf': 'R SELF-EMP OR WORKS FOR SOMEBODY', 'wrkstat': 'LABOR FORCE STATUS', 'wrkwyup': 'BLACKS OVERCOME PREJUDICE WITHOUT FAVORS', 'wtss': 'WEIGHT VARIABLE', 'wtssall': 'WEIGHT VARIABLE', 'wtssnr': 'WEIGHT VARIABLE', 'xmarsex': 'SEX WITH PERSON OTHER THAN SPOUSE', 'xmarsex1': 'IS EXTRAMARITAL SEX WRONG?', 'xmovie': 'SEE N X-RATED MOVIE IN LAST YEAR', 'year': 'GSS YEAR FOR THIS RESPONDENT', 'YEARBI': 'YEAR BUSINESS STARTED', 'zodiac': 'RESPONDENTS ASTROLOGICAL SIGN', 'intid': 'INTERVIEWER ID', 'intage': 'AGE OF INTERVIEWER', 'intethn': 'RACE OF INTERVIEWER', 'intsex': 'SEX OF INTERVIEWER', 'intyrs': 'YEARS OF SERVICE AS AN INTERVIEWER AT NORC', 'whoelse1': 'PRESENCE OF OTHERS:CHILDREN UNDER SIX', 'whoelse2': 'PRESENCE OF OTHERS:OLDER CHILDREN', 'whoelse3': 'PRESENCE OF OTHERS:SPOUSE PARTNER', 'whoelse4': 'PRESENCE OF OTHERS:OTHER RELATIVES', 'whoelse5': 'PRESENCE OF OTHERS:OTHER ADULTS', 'whoelse6': 'PRESENCE OF OTHERS:NO ONE', 'lngthin': 'HOW LONG WAS INTERVIEW', 'feelevel': 'AMOUNT OF FEES PAID', 'feeused': 'FEE GIVEN TO GET CASE', 'mode': 'INTERVIEW DONE IN-PERSON OR OVER THE PHONE', 'RELACTIV1': 'HOW OFTEN DOES R TAKE PART IN RELIG ACTIVITIES', 'CONSENT': 'PARTICIPATION/RECORDING CONSENT', 'size': 'SIZE OF PLACE IN 1000S', 'xnorcsiz': 'EXPANDED N.O.R.C. SIZE CODE', 'srcbelt': 'SRC BELTCODE', 'realinc': 'FAMILY INCOME IN CONSTANT $', 'realrinc': 'RS INCOME IN CONSTANT $', 'coninc': 'FAMILY INCOME IN CONSTANT DOLLARS', 'conrinc': 'RESPONDENT INCOME IN CONSTANT DOLLARS', 'churhpow': 'DO CHURCHES HAVE TOO MUCH POWER?'}

```

```

Out[77]:

```

	vpsu	vstrat	mar1	mar2	mar3	mar4	mar5	mar6	mar7	mar8	...	RELACTIV1	CONSI
0	1.0	2106.0	2.0	5.0	NaN	NaN	NaN	NaN	NaN	NaN	...	1.0	
1	1.0	2106.0	1.0	NaN	NaN	NaN	NaN	NaN	NaN	NaN	...	NaN	
2	1.0	2106.0	1.0	1.0	NaN	NaN	NaN	NaN	NaN	NaN	...	1.0	
3	1.0	2106.0	5.0	3.0	5.0	NaN	NaN	NaN	NaN	NaN	...	9.0	
4	2.0	2106.0	4.0	NaN	NaN	NaN	NaN	NaN	NaN	NaN	...	NaN	
...	...	...	...	...	...	...	...	...	...	...	...	...	
2018	2.0	2234.0	5.0	5.0	5.0	NaN	NaN	NaN	NaN	NaN	...	8.0	
2019	1.0	2235.0	2.0	5.0	5.0	NaN	NaN	NaN	NaN	NaN	...	3.0	
2020	1.0	2236.0	3.0	5.0	NaN	NaN	NaN	NaN	NaN	NaN	...	2.0	
2021	2.0	2237.0	1.0	1.0	NaN	NaN	NaN	NaN	NaN	NaN	...	6.0	
2022	2.0	2239.0	1.0	1.0	NaN	NaN	NaN	NaN	NaN	NaN	...	3.0	

2023 rows × 843 columns

Мы можем теперь создать гистограммы для параметров которые интересуют нас.

```

In [78]:
import matplotlib
#print(matplotlib.get_cachedir())

df.hist(column=["wordsum", "degree", "racdif2"])

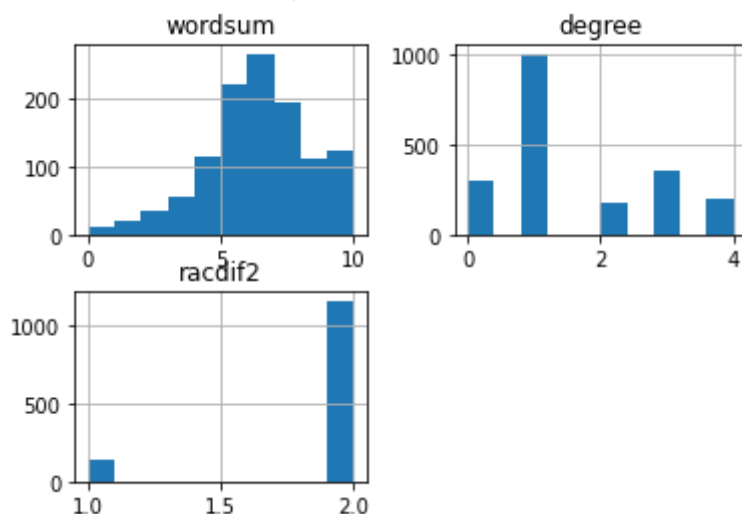
```

```

Out[78]: array([[<AxesSubplot:title={ 'center': 'wordsum' }>,
<AxesSubplot:title={ 'center': 'degree' }>],

```

```
[<AxesSubplot:title={'center':'racdif2'}>, <AxesSubplot:>]],
dtype=object)
```



Мы фильтруем данные, требуя что величины троих параметров все существуют, который конечно необходимо чтобы использовать эту точку данных как часть анализа.

```
In [79]: filtered_df = df[['wordsum', 'degree', 'racdif2']]
filtered_df = filtered_df[filtered_df['wordsum'].notnull() & filtered_df['degree'].notnull() & filtered_df['racdif2'].notnull()]
filtered_df
```

```
Out[79]:
```

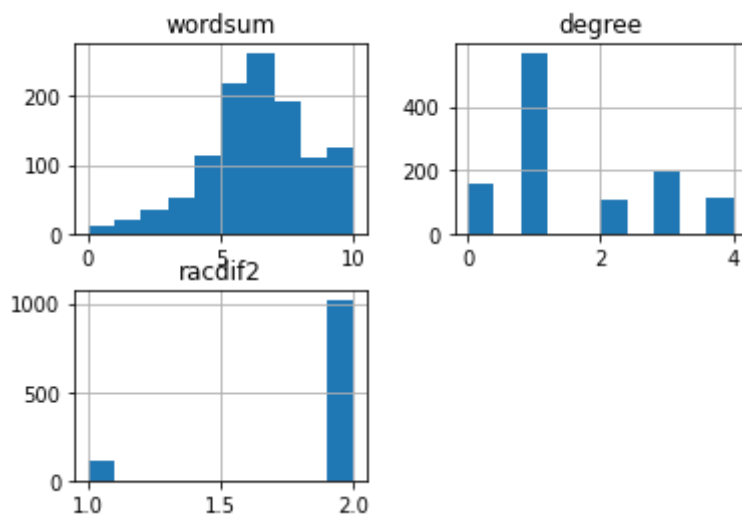
	wordsum	degree	racdif2
0	3.0	1.0	2.0
1	7.0	4.0	2.0
2	5.0	1.0	2.0
4	6.0	1.0	2.0
5	5.0	3.0	2.0
...	...	...	...
2014	5.0	3.0	2.0
2015	6.0	1.0	2.0
2017	7.0	3.0	2.0
2020	3.0	1.0	2.0
2021	10.0	1.0	2.0

	wordsum	degree	racdif2
0	3.0	1.0	2.0
1	7.0	4.0	2.0
2	5.0	1.0	2.0
4	6.0	1.0	2.0
5	5.0	3.0	2.0
...	...	...	...
2014	5.0	3.0	2.0
2015	6.0	1.0	2.0
2017	7.0	3.0	2.0
2020	3.0	1.0	2.0
2021	10.0	1.0	2.0

1136 rows × 3 columns

```
In [80]: filtered_df.hist(column=["wordsum", "degree", "racdif2"])
```

```
Out[80]: array([[<AxesSubplot:title={'center':'wordsum'}>,
<AxesSubplot:title={'center':'degree'}>],
[<AxesSubplot:title={'center':'racdif2'}>, <AxesSubplot:>]],
dtype=object)
```



```
In [81]: filtered_df.corr()
```

```
Out[81]:
```

	wordsum	degree	racdif2
wordsum	1.000000	0.409204	0.226848
degree	0.409204	1.000000	0.163980
racdif2	0.226848	0.163980	1.000000

```
In [94]: print("корреляция между degree и racdif2 при условии wordsum = некоторая величина")

num_points_total = 0
total_correlation = 0
wordsums = []
correlations = []

for wordsum_score in range(11):
    given_wordsum_df = filtered_df[filtered_df.wordsum == wordsum_score]
    num_points = given_wordsum_df.shape[0]
    correlation = given_wordsum_df["degree"].corr(filtered_df["racdif2"])
    if str(correlation) != 'nan':
        total_correlation += correlation*num_points
        num_points_total += num_points
        wordsums.append(wordsum_score)
        correlations.append(correlation)
    print("wordsum = %s, количество точек = %s, корреляция = %f" % (wordsum_score,
    num_points, correlation))

print("общее количество точек = " + str(num_points_total))
print("корреляция среднее = " + str(total_correlation/num_points_total))
```

```
корреляция между degree и racdif2 при условии wordsum = некоторая величина
wordsum = 0, количество точек = 10, корреляция = -0.252646
wordsum = 1, количество точек = 19, корреляция = -0.035806
wordsum = 2, количество точек = 35, корреляция = 0.270454
wordsum = 3, количество точек = 53, корреляция = 0.243531
wordsum = 4, количество точек = 112, корреляция = 0.023573
wordsum = 5, количество точек = 218, корреляция = 0.160961
wordsum = 6, количество точек = 262, корреляция = -0.004761
wordsum = 7, количество точек = 192, корреляция = 0.162288
wordsum = 8, количество точек = 111, корреляция = 0.047573
wordsum = 9, количество точек = 80, корреляция = 0.000000
```

wordsum = 10, количество точек = 44, корреляция = 0.245980  
 общее количество точек = 1136  
 корреляция среднее = 0.0905912106195397

```
In [95]: print("корреляция между wordsum и racdif2 при условии degree = некоторая величина")

num_points_total = 0
total_correlation = 0
degrees = []
correlations2 = []

for degree_score in range(5):
    given_degree_df = filtered_df[filtered_df.degree == degree_score]
    num_points = given_degree_df.shape[0]
    correlation = given_degree_df["wordsum"].corr(filtered_df["racdif2"])
    if str(correlation) != 'nan':
        total_correlation += correlation*num_points
        num_points_total += num_points
        degrees.append(degree_score)
        correlations2.append(correlation)
    print("degree = %s, количество точек = %s, корреляция = %f" % (str(degree_score), str(num_points), str(correlation)))

print("общее количество точек = " + str(num_points_total))
print("корреляция среднее = " + str(total_correlation/num_points_total))
```

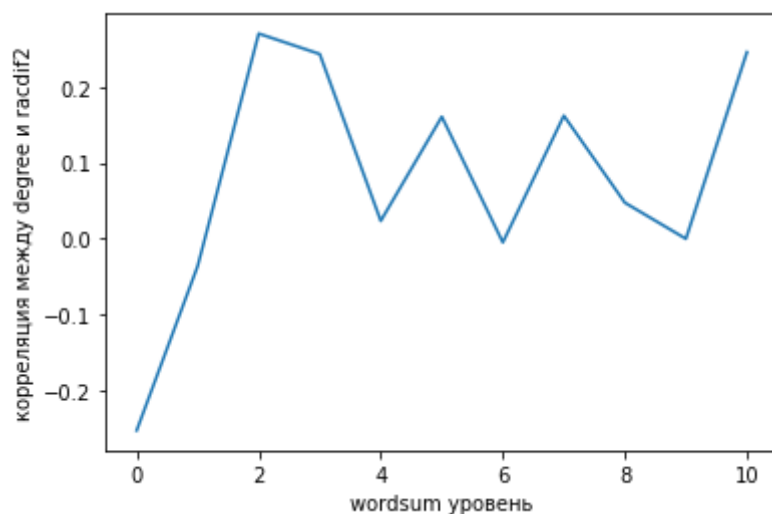
корреляция между wordsum и racdif2 при условии degree = некоторая величина  
 degree = 0, количество точек = 157, корреляция = 0.208395  
 degree = 1, количество точек = 569, корреляция = 0.178985  
 degree = 2, количество точек = 107, корреляция = 0.144432  
 degree = 3, количество точек = 193, корреляция = 0.060149  
 degree = 4, количество точек = 110, корреляция = 0.314385  
 общее количество точек = 1136  
 корреляция среднее = 0.17271662329776302

Мы отметим что между *wordsum* и *racdif2* положительная корреляция которая маленькая, но конечно не ничтожная (корреляция среднее = 0.17271662329776302), но между *degree* и *racdif2* существует очень маленькая положительная корреляция и вероятно еще статистически значимая (корреляция среднее = 0.0905912106195397). Для этого мы создаем следующие графы:

```
In [98]: import matplotlib.pyplot as plt

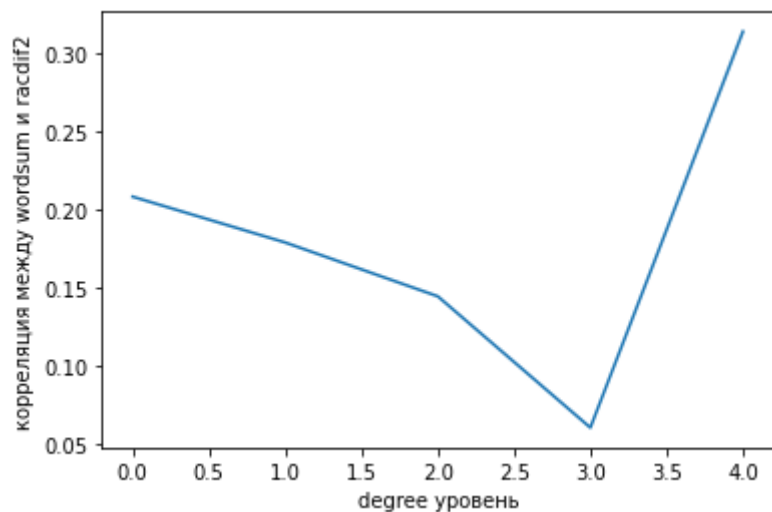
plt.plot(wordsums, correlations)
plt.xlabel('wordsum уровень')
plt.ylabel('корреляция между degree и racdif2')
```

Out[98]: Text(0, 0.5, 'корреляция между degree и racdif2')



```
In [97]: plt.plot(degrees, correlations2)
plt.xlabel('degree уровень')
plt.ylabel('корреляция между wordsum и racdif2')
```

Out[97]: Text(0, 0.5, 'корреляция между wordsum и racdif2')



In [ ]: