spam-email-filter

March 31, 2024

0.0.1 Spam Email Filter By Using Random Forest Classifier Algorithm From Sklearn Library

Got the email dataset from:

https://www.kaggle.com/balakishan77/spam-or-ham-email-classification/data

```
[55]: import pandas as pd
      from sklearn.ensemble import RandomForestClassifier
      from sklearn.datasets import make_classification
      from sklearn.model_selection import train_test_split
      from sklearn import metrics
 [3]: df = pd.read_csv("emails.csv")
 [9]: df.head()
 [9]:
                                                             spam
      O Subject: naturally irresistible your corporate...
                                                               1
      1 Subject: the stock trading gunslinger fanny i...
                                                               1
      2 Subject: unbelievable new homes made easy im ...
                                                               1
      3 Subject: 4 color printing special request add...
                                                               1
      4 Subject: do not have money, get software cds ...
     1: Spam
     0: Ham (Not spam)
 [7]: with pd.option_context('display.max_rows', 5728):
          print (df)
                                                                spam
                                                          text
     0
           Subject: naturally irresistible your corporate...
                                                                 1
     1
           Subject: the stock trading gunslinger fanny i...
     2
           Subject: unbelievable new homes made easy im ...
                                                                 1
     3
           Subject: 4 color printing special request add...
     4
           Subject: do not have money , get software cds ...
     5
           Subject: great nnews hello , welcome to medzo...
                                                                 1
     6
           Subject: here 's a hot play in motion homela...
                                                                 1
     7
           Subject: save your money buy getting this thin...
                                                                 1
```

```
8
      Subject: undeliverable : home based business f...
                                                             1
9
      Subject: save your money buy getting this thin...
                                                             1
10
      Subject: las vegas high rise boom las vegas i...
                                                             1
11
      Subject: save your money buy getting this thin...
                                                             1
      Subject: brighten those teeth get your teeth...
12
                                                             1
13
      Subject: wall street phenomenon reaps rewards ...
                                                             1
14
      Subject: fpa notice : ebay misrepresentation o...
15
      Subject: search engine position be the very f...
16
      Subject: only our software is guaranteed 100 %...
                                                             1
17
      Subject: localized software, all languages av...
                                                             1
18
      Subject: security alert - confirm your nationa...
                                                             1
19
      Subject: 21 st century web specialists jrgbm ...
                                                             1
20
      Subject: any med for your girl to be happy! ...
                                                             1
21
      Subject: re : wearable electronics hi my name...
22
      Subject: top - level logo and business identit...
                                                             1
23
      Subject: your trusted source for prescription ...
                                                             1
24
      Subject: rely on us for your online prescripti...
                                                             1
25
      Subject: guzzle like a fountain spur m rocks ...
                                                             1
26
      Subject: are you losing? the answer would ama...
                                                             1
27
      Subject: hi how to save o improper n your med...
                                                             1
28
      Subject: 25 mg did thhe trick ho receivable w...
29
      Subject: save your money buy getting this thin...
30
      Subject: want to accept credit cards ? 1264322...
                                                             1
31
      Subject: [ ilug ] seeking your partnership de...
                                                             1
32
      Subject: [ ilug ] guaranteed to lose 10 - 12 l...
                                                             1
33
      Subject: re : just to her . . . mdaemon has i...
                                                             1
34
      Subject: ms 2003 software titles available for ...
                                                             1
35
      Subject: failure notice hi . this is the qmai...
                                                             1
36
      Subject: claim your free $ 1000 home depot gif...
37
      Subject: perfect logo charset = koi 8 - r " > ...
                                                             1
38
      Subject: branded softs roxio easy media creat...
                                                             1
      Subject: extra time - last 5 - 10 times longer...
39
                                                             1
40
      Subject: get the best price on your next car !...
                                                             1
41
      Subject: bro check out this awesome new produc...
                                                             1
42
      Subject: hidden gems help get a leg up on the ...
                                                             1
      Subject: 10 minutes before sex , lasts for 24 ...
43
44
      Subject: wish you could be better ? penis gro...
45
      Subject: 1000 full color brochures 335 the ts...
                                                             1
      Subject: search for the best and cheapest phar...
46
                                                             1
47
      Subject: failure notice hi . this is the qmai...
                                                             1
48
      Subject: claim your free home depot gift card ...
                                                             1
49
      Subject: breaking biotech news hey, i though...
                                                             1
50
      Subject: prop 0 sal dear siobhan _ riskin
                                                             1
51
      Subject: grab this quick triple at its low ho...
                                                             1
      Subject: yyyy , do you know the hgh difference...
52
                                                             1
53
      Subject: make big money with foreclosed real e...
                                                             1
54
      Subject: are you ready to get it ? hello ! v...
                                                             1
55
      Subject: letter from : daniel kabila letter f...
                                                             1
```

```
56
      Subject: localized software, all languages av...
                                                            1
57
      Subject: for your information this has been o...
                                                            1
58
      Subject: did you complete this ? free service...
                                                            1
59
      Subject: your best source for viagra and more ...
                                                            1
60
      Subject: partnership mr . edward moko 18 ind...
                                                            1
61
      Subject: select small - cap for astute investo...
                                                            1
62
      Subject: save your money by getting an oem sof ...
63
      Subject: save your money buy getting this thin...
64
      Subject: how to soak her in cum " i just want...
                                                            1
65
      Subject: mail server dear projecthoneypot @ p...
                                                            1
66
      Subject: the big unit within a few days you s...
                                                            1
67
      Subject: does your business depend on the onli...
                                                            1
68
      Subject: ion online security notification de...
                                                            1
69
      Subject: quelqu ' un t ' aime en secret quelq...
70
      Subject: get your babies diapers bill paid for...
                                                            1
71
      Subject: isa article on embedded real - time 1...
                                                            1
72
      Subject: localized software, all languages av...
                                                            1
73
      Subject: congratulations hpshum you ' ve won !...
                                                            1
74
      Subject: i know your company! It is really h ...
                                                            1
75
      Subject: christian health plan we offer visio...
                                                            1
76
      Subject: over 80 % savings on all best - selli...
77
      Subject: you only think you 're u . s . citiz...
78
      Subject: perfect logo charset = koi 8 - r " > ...
79
      Subject: join focus groups to earn money a la...
                                                            1
80
      Subject: update your account information dear ...
                                                            1
81
      Subject: delivery notification for this is a ...
                                                            1
82
      Subject: the credit law is on your side jm ! g...
                                                            1
83
      Subject: we know our sto - cks pop 3 media co...
84
      Subject: are you ready to get it? hello!
85
      Subject: are you ready to get it ? hello!
                                                            1
86
      Subject: 00971 50 2443308 kevin contact me he...
                                                            1
      Subject: returned mail: host unknown ( name s...
87
                                                            1
88
      Subject: enjoy media ( ejym ) enters chinese t...
                                                            1
89
      Subject: i think you might be interested hell...
                                                            1
90
      Subject: investment / partnership proposal de...
                                                            1
      Subject: use this handy interest calculator to...
91
92
                 http://www.virtu ally-anyw...
93
      Subject: fwd : next tuesday at 9 am for imme...
                                                            1
94
      Subject: outstanding opportunities for " premi...
                                                            1
95
      Subject: v - shoop hello , welcome to the med ...
                                                            1
96
      Subject: you need only 15 minutes to prepare f...
                                                            1
97
      Subject: do i require an attorney to use this ...
                                                            1
98
      Subject: high - quality affordable logos corp...
                                                            1
99
      Subject: save your money buy getting this thin ...
                                                            1
100
      Subject: re : doctor approved pill lgw a man ...
                                                            1
101
      Subject: tell these cam sluts what to do to b...
                                                            1
102
      Subject: re : legal operating systems summer -...
                                                            1
103
      Subject: sshs . . get low cost software cds or ...
                                                            1
```

```
104
      Subject: localized software, all languages av...
                                                             1
105
      Subject: best product for 2002 copy dvd movie...
                                                             1
106
      Subject: free 1 week dvd downloads we are hap...
                                                             1
107
      Subject: this weeks ultimate adventure . . . ...
                                                            1
      Subject: you don t know how to attract custo...
108
                                                             1
109
      Subject: [ ilug ] re : popular . biz and . com...
110
      Subject: the database that bill gates doesnt w...
111
      Subject: best prescription generic meds 4 less...
      Subject: buy viagra online ! it 's your best ...
112
                                                             1
113
      Subject: fw : pho . toshop , windows , of . fi ...
                                                             1
      Subject: tired of your high mortgage rate - re...
114
                                                             1
      Subject: fw : i ' m unwell . in 1839 not at a...
115
                                                             1
      Subject: re : mobile scanner 5 inl system for ...
116
                                                             1
      Subject: localized software, all languages av...
117
118
      Subject: notification from sky bank # 6521 - 3...
119
      Subject: want me on top ? 189643322211 put th...
                                                             1
120
      Subject: need a graphic artist ? come here . ...
                                                             1
121
      Subject: re: ink prices got you down? 11956 ...
                                                             1
122
      Subject: help television in 1919 by seat to m...
                                                             1
123
      Subject: look what sandy is doing in her dorm ...
                                                             1
124
      Subject: enhance your anatomy the longz syste...
      Subject: our cool medz hello , welcome to med ...
125
126
      Subject: investment op in proven nasa technolo...
127
      Subject: it works fine want to know how to sa...
                                                             1
128
      Subject: localized software, all languages av...
                                                             1
129
      Subject: major medical breakthrough huge profi...
                                                             1
130
      Subject: you best friends and family deserve t...
                                                             1
131
      Subject: not another bad offrr w starred ant ...
      Subject: hey . we owe you some money dear hom...
132
133
      Subject: expand your penis 20 % larger in week...
134
      Subject: get latest version , cds and download...
                                                             1
135
      Subject: free $ $ $ for business or personal c...
                                                             1
136
      Subject: localized software, all languages av...
                                                             1
137
      Subject: are you listed in major search engine...
                                                             1
      Subject: make your dialup go faster how have ...
138
139
      Subject: learn to play texas hold 'em and oth...
140
      Subject: software should be easy to use! sev...
141
      Subject: delivery status notification - these...
                                                             1
      Subject: try it ouut hello , welcome to pharm...
142
                                                             1
143
      Subject: visual identity and logo now working...
                                                             1
144
      Subject: hi do you want to make $ 1000 or mor ...
                                                             1
145
      Subject: all graphics software available, che...
                                                             1
146
      Subject: localized software, all languages av...
                                                             1
147
      Subject: looking for good it team ? we do soft...
148
      Subject: the most expensive car sold in graand...
                                                             1
149
      Subject: good worrk how to save on aslant you...
                                                             1
150
      Subject: when we say free , we mean free ! to ...
                                                             1
151
      Subject: industry giants can 't match this op...
                                                             1
```

```
152
      Subject: 3 locations free : orlando , las vega...
153
      Subject: save your money buy getting this thin...
                                                            1
154
      Subject: an invitation to advertise on freight...
                                                            1
155
      Subject: perfect visual solution for your busi...
                                                            1
      Subject: do i require an attorney to use this ...
156
157
      Subject: check this impotence medication don ...
158
      Subject: veryy useful how to save on y slapst...
159
      Subject: ctfg trends upward as company begins ...
      Subject: clear benefits of creative design lt...
160
                                                            1
161
      Subject: your online sales are low because you...
                                                            1
      Subject: logo, stationer, website design and...
162
                                                            1
163
      Subject: a chance to get new logo now working...
                                                            1
164
      Subject: save your money buy getting this thin...
                                                            1
      Subject: new love tabs shop . visit our llcen...
165
166
      Subject: make your rivals envy lt is really h...
167
      Subject: perfect logo charset = koi 8 - r " > ...
                                                            1
168
      Subject: i would like to help your marketing e...
                                                            1
169
      Subject: will you be the next one selected for ...
                                                            1
170
      Subject: no need to pay more - cheapest oem on...
                                                            1
171
      Subject: failure notice hi . this is the gmai...
                                                            1
172
      Subject: undelivered mail returned to sender ...
      Subject: great idea for you byrdshot mortgage...
173
174
      Subject: my portfolio hi my name is ernie, ...
175
      Subject: teach and grow rich do you want to t...
                                                            1
176
      Subject: 10 million fresh email addresses sent...
                                                            1
177
      Subject: no further access to your account wil...
                                                            1
178
      Subject: returned mail: see transcript for de...
                                                            1
179
      Subject: get me thru july newsletter the get ...
180
      Subject: afforable health care men 's health ...
181
      Subject: be your own private eye online inter...
      Subject: esecure online pharmacies you get th...
182
                                                            1
183
      Subject: what 's going on hi u . this is sar...
                                                            1
184
      Subject: hiya hon , , . . . mandamus hi there...
                                                            1
185
      Subject: buy oil stocks now calgary, alberta...
                                                            1
      Subject: confirmation request 218 - 791 we tr...
186
187
      Subject: mid summer flag special : free shippi...
188
      Subject: less time, less effort but better sa...
189
      Subject: any med for your girl to be happy! ...
                                                            1
      Subject: having problems in bed ? we can help ...
190
                                                            1
191
      Subject: re : how are you ? 8456 fill out our...
                                                            1
192
      Subject: industry forum # 136 the industry fo...
                                                            1
193
      Subject: perfect logo charset = koi 8 - r " > ...
                                                            1
194
      Subject: update your online banking records n...
      Subject: logo , stationer , website design and ...
195
196
      Subject: programs for every credit situation ...
                                                            1
197
      Subject: please kindly assist greetings , i ...
                                                            1
198
      Subject: online live striptease for you see m...
                                                            1
199
      Subject: mail delivery failed: returning mess...
                                                            1
```

```
200
      Subject: for your information dear homeowner ...
201
      Subject: we deliver medication worldwide ! ci...
                                                            1
202
      Subject: perfect logo charset = koi 8 - r " > ...
                                                            1
203
      Subject: spamassassin . taint . org i discove...
                                                            1
204
      Subject: get a costco gold membership . this ...
205
      Subject: i ' m a changed maan how to save on ...
                                                            1
206
      Subject: give your partner more pleasure the ...
207
      Subject: naturally irresistible your corporate...
208
      Subject: see to this proposal hello! compli...
                                                            1
209
      Subject: the next move higher for strong marke...
                                                            1
      Subject: software should be easy to use ! ful...
210
                                                            1
211
      Subject: perfect logo charset = koi 8 - r " > ...
                                                            1
212
      Subject: need an outstanding logo now? worki...
                                                            1
213
      Subject: high growth investing for tomorrow h...
214
      Subject: look 10 years younger - free sample !...
      Subject: still wanna her ? : - ) you have not...
215
                                                            1
216
      Subject: cheap software http://uracil.m...
                                                            1
217
      Subject: important notice: june 21, 2005 im...
                                                            1
218
      Subject: cool page please active this link ww...
                                                            1
219
      Subject: save your money by getting an oem sof ...
                                                            1
220
      Subject: get the software you need , now !
221
      Subject: kinja account activation hello , izt...
222
      Subject: sex is a play , and you must win !
                                                            1
223
      Subject: usa cheapest licensed pharmacy we pr...
                                                            1
224
      Subject: loose your fat in 9 days are you ov...
                                                            1
225
      Subject: http://www.blomqvist.org_hel...
                                                            1
226
      Subject: you need only 15 minutes to prepare f...
                                                            1
227
      Subject: reply a . s . a . p united trust ban...
228
      Subject: congratulations the free lotto compa...
229
      Subject: need creative power ? logodentity is ...
230
      Subject: 10 minutes before sex , lasts for 24 ...
                                                            1
231
      Subject: a new era of online medical care . r...
                                                            1
232
      Subject: re : protect your computer , you need ...
                                                            1
233
      Subject: in the heart of your business ! corp...
                                                            1
234
      Subject: the ultimate in pc security and surve...
                                                            1
235
      Subject: returned mail: see transcript for de...
236
      Subject: we use to be friends dear applicant ...
237
      Subject: you don _ t know how to attract custo...
                                                            1
238
      Subject: wed , 06 jul 2005 23 : 15 : 07 + 0300...
                                                            1
239
      Subject: free ltc " sales closers " which vir...
                                                            1
240
      Subject: atft . pk has announced the acquisiti...
                                                            1
241
      Subject: [ ilug - social ] prirodu requiremus ...
                                                            1
242
      Subject: logo , stationer , website design and...
243
      Subject: . . . if you 're looking for the low...
244
      Subject: make a fortune on ebay 24772 ebay - ...
                                                            1
245
      Subject: re: 6 . 25 30 yr fixed home loan, n...
                                                            1
246
      Subject: all graphics software available, che...
                                                            1
247
      Subject: please help my child dear sir / mam ...
                                                            1
```

```
248
      Subject: entrust your visual identity to us t...
249
      Subject: hello bevstarl 0 dear bevstarl 0, ...
                                                            1
250
      Subject: set & forget ! blast your ad over 200...
                                                            1
251
      Subject: do you want a rolex for $ 75 - $ 275 ...
                                                            1
252
      Subject: discover the new winning sexual erect...
253
      Subject: are you ready to get it? hello!
                                                            1
254
      Subject: a wedding consulting business of your...
255
      Subject: in the heart of your business ! corp...
256
      Subject: perfect logo charset = koi 8 - r " > ...
                                                            1
257
      Subject: need a graphic artist ? come here . ...
                                                            1
258
      Subject: low price software http://woe....
                                                            1
259
      Subject: uae enquiries dear sirs, emiratest...
                                                            1
260
      Subject: stox maven news - letter * * * watch...
                                                            1
261
      Subject: freedom - $ 1 , 021 , 320 . 00 per ye...
262
      Subject: localized software, all languages av...
                                                            1
263
      Subject: amaziing hello, welcome to medzonl ...
                                                            1
264
      Subject: spice up your cellphone with a wallpa...
                                                            1
265
      Subject: localized software, all languages av...
                                                            1
266
      Subject: improved health jbtfcz to find out ...
                                                            1
      Subject: localized software, all languages av...
267
                                                            1
268
      Subject: if your sex life is good . . . then m...
269
      Subject: [ ilug ] stop the mlm insanity greet...
270
      Subject: = ? iso - 8859 - 1 ? q ? automated re...
                                                            1
271
      Subject: re : your financial security ! high p...
                                                            1
272
      Subject: delivery notification : delivery has ...
                                                            1
273
      Subject: best software prices . big range of ...
                                                            1
274
      Subject: reduction in high blood pressure age...
                                                            1
275
      Subject: get big , ripped & strong ! ! deca , ...
276
      Subject: this one will make you money 9 / 20 /...
277
      Subject: a chance to get new logo now working...
                                                            1
278
      Subject: it woorks fine want to know how to s...
                                                            1
279
      Subject: play full length movies on your pc t...
                                                            1
280
      Subject: send the love home with an online pho ...
                                                            1
281
      Subject: thanksgiving sale we want to thank y...
                                                            1
282
      Subject: prime lenders application status we ...
                                                            1
283
      Subject: account suspension dear paypal user...
284
      Subject: loaded with technology for business a...
                                                            1
285
      Subject: perfect logo charset = koi 8 - r " > ...
                                                            1
286
      Subject: just to her . . . you are not allowe...
                                                            1
      Subject: re : september 11 , 2001 hi my name ...
287
                                                            1
288
      Subject: seeking your partnership dear partne...
                                                            1
289
      Subject: http://www.kirkbridebuildings...
                                                           1
290
      Subject: market internet access - no investmen...
                                                            1
291
      Subject: let us find the right mortgage lender...
292
      Subject: re : new page hi sweetie , come see ...
                                                            1
293
      Subject: all graphics software available, che...
                                                            1
294
      Subject: when will the real estate bubble burs...
                                                            1
295
      Subject: youthh rediscovered how to save on y...
                                                            1
```

```
296
      Subject: are you ready to get it ? hello ! v...
297
      Subject: amaze your partner with the talents i...
                                                            1
298
      Subject: professional advertising dear projec...
                                                            1
299
      Subject: harvest lots of e - mail addresses qu...
                                                            1
300
      Subject: make this investigator work for you ...
                                                           1
301
      Subject: failure notice this is the mail deli...
                                                            1
302
      Subject: v . to you want to know how t archim...
303
      Subject: logo , stationer , website design and...
304
      Subject: introducing hgh : the most powerful a...
                                                            1
305
      Subject: are you ready to get it ? hello!
                                                            1
      Subject: teach and grow rich do you want to t...
306
                                                            1
307
      Subject: visual identity and logo now working...
                                                            1
308
      Subject: localized software, all languages av...
                                                            1
309
      Subject: viagra is the # 1 med to struggle wit...
310
      Subject: blow yourr life want to know how to ...
311
      Subject: easily lose weight / build muscle / r...
                                                            1
312
      Subject: discontinue making p a y m e n t s im...
                                                            1
313
      Subject: your logo and visual identity from us...
                                                            1
314
      Subject: part time job for you . ( ref : 375 )...
                                                            1
315
      Subject: 80 % discount on all adobe titles op...
                                                            1
      Subject: we owe you lots of money dear homeow ...
316
317
      Subject: digital voice recorders dear sir / m...
318
      Subject: perfect logo charset = koi 8 - r " > ...
319
      Subject: congrats on your approval we tried t...
                                                            1
320
      Subject: now , it 's finally possible for you...
                                                            1
321
      Subject: if you own a cell phone . . . . . p...
                                                            1
322
      Subject: excelleent news how halving to save ...
                                                            1
323
      Subject: ebay and auction info 30314 you are ...
324
      Subject: important news hey visioson @ hpp . ...
325
      Subject: for your information this will be ou...
326
      Subject: v . to youu hello , welcome to pharm...
                                                            1
327
      Subject: scrub the web confirmation required ...
                                                            1
328
      Subject: just to her . . . your message to tj...
                                                            1
329
      Subject: largest collection of dowlnoadable po...
                                                            1
330
      Subject: software taking a bite out of your bu...
                                                            1
      Subject: she is shocked hello, welcome to me...
331
332
      Subject: toners and inkjet cartridges for less...
333
      Subject: benachrichtung zum (fehlgeschlagen...
                                                            1
334
      Subject: protect your family 's future and sa...
                                                            1
335
      Subject: persian kilims and rugs dear profes...
                                                            1
336
      Subject: become happy with your performance m...
                                                            1
337
      Subject: also available levitra, cialis, and ...
                                                            1
338
      Subject: clear benefits of creative design lt...
                                                            1
339
      Subject: save your money by getting an oem sof ...
340
      Subject: impress your girl with a huge cumshot...
                                                            1
341
      Subject: improve your size and your power i '...
                                                            1
342
      Subject: 9 % commission on myg annuities call...
                                                            1
343
      Subject: 6 % commission on 12 month " cd - sty...
                                                            1
```

```
344
      Subject: failure notice hi . this is the qmai...
345
      Subject: all graphics software available, che...
                                                            1
346
      Subject: sell advertising space on your websit...
                                                            1
347
      Subject: fwd : norton makes the best software ...
                                                            1
      Subject: save your money by getting an oem sof ...
348
                                                            1
349
      Subject: take a look at this microcap benelux...
                                                            1
350
      Subject: we are the only online pharmacy offer...
351
      Subject: perfect logo charset = koi 8 - r " > ...
352
      Subject: do you realize all your sexual dreams...
                                                            1
353
      Subject: norton systemworks 2002 final clearan...
                                                            1
354
      Subject: localized software, all languages av...
                                                            1
355
      Subject: perfect logo charset = koi 8 - r " > ...
                                                            1
356
      Subject: failure notice hi . this is the qmai...
                                                            1
357
      Subject: start shopping at costco today with a...
      Subject: http://www.surfbuddies.net h...
358
359
      Subject: start shopping at costco today with a...
                                                            1
360
      Subject: $ 500 lst annuity sale bonus a new g...
                                                            1
361
      Subject: ready to earn more now take the next...
                                                            1
362
      Subject: just to her . . . soft viagra at $ 1...
                                                            1
363
      Subject: be one of our survey takers and we ' ...
                                                            1
      Subject: mail receipt thank you for your mail...
364
      Subject: are you ready to get it? hello! v...
365
366
      Subject: save up to 40 % on popular software b...
                                                            1
367
      Subject: feel insecure about your penis size ?...
                                                            1
368
      Subject: click here to improve your wellbeing ...
                                                            1
      Subject: rescue you from highprice medicaments...
369
                                                            1
370
      Subject: lasalle bank account alert ! please r...
                                                            1
371
      Subject: delivery status notification (failur...
372
      Subject: offer your clients 11 . 19 % 11 . 19...
373
      Subject: second chance # 5182 complete credit...
      Subject: are you ready to get it ? hello ! v...
374
                                                            1
375
      Subject: would you like a $ 250 check? we ' ...
                                                            1
376
      Subject: need a graphic artist ? come here . ...
                                                            1
377
      Subject: x 2 o automated wealth builder . 511...
                                                            1
378
      Subject: [ ilug - social ] claim your $ 25 kma...
                                                            1
379
      Subject: all graphics software available, che...
380
      Subject: fresh , crisp leads from allmerica fi...
381
      Subject: tombrandon , bigger , fuller breasts ...
                                                            1
382
      Subject: use this handy interest calculator to...
                                                            1
      Subject: work at home and make money would yo ...
383
                                                            1
384
      Subject: learn to play texas hold 'em and oth...
                                                            1
      Subject: herbal viagra 30 day trial . . . oncx...
385
                                                            1
386
      Subject: from mrs . fatima rasheed dear belov...
                                                            1
387
      Subject: fw : re : user name & password to mem...
388
      Subject: [ ilug ] here is the information you ...
                                                            1
389
      Subject: take positi 0 ns before breaking news...
                                                            1
390
      Subject: great news from your bank how are yo...
                                                            1
391
      Subject: save your money by getting an oem sof ...
                                                            1
```

```
392
      Subject: gov ' t guaranteed home business wea...
393
      Subject: justt try lt hello , welcome to phar...
                                                            1
394
      Subject: upside pressure signals institutional...
                                                            1
395
      Subject: earn 10 k per week with a new system ...
                                                            1
396
      Subject: how about obtaining a fully recognize...
                                                            1
397
      Subject: perfect logo charset = koi 8 - r " > ...
                                                            1
398
      Subject: free insbuyer . com agency listing l...
399
      Subject: sto - ck advice structure & technolo...
400
      Subject: greatest online prescripiton here ni...
                                                            1
401
      Subject: nymex invitation - learn power tradin...
                                                            1
402
      Subject: downloadable software http://ros...
                                                            1
403
      Subject: notification . email transmission t...
                                                            1
404
      Subject: news : company positioned to grow po...
                                                            1
405
      Subject: save your money by getting an oem sof ...
406
      Subject: cheap oem soft shipping worldwide wh...
407
      Subject: failure notice hi . this is the qmai...
                                                            1
408
      Subject: re : [ 879 ] ladybug regain your con...
                                                            1
409
      Subject: feeling great is not a luxury! do y...
                                                            1
410
      Subject: perfect visual solution for your busi...
                                                            1
411
      Subject: are you ready to get it? hello!
                                                            1
412
      Subject: buyer beware - penis patches ! penis...
413
      Subject: save your money by getting an oem sof ...
414
      Subject: no # 1 drug for male impotence buy c...
                                                            1
415
      Subject: new extensions now only $ 14 . 95 pu...
                                                            1
416
      Subject: natural remedies for sexual health y...
                                                            1
417
      Subject: re [ 1 ] death penalty it 's o . k ...
                                                            1
418
      Subject: charity sees the need not the cost . ...
                                                            1
419
      Subject: big range of all types of downloadabl...
420
      Subject: winning one of our chopard and feel t...
421
      Subject: hassle - free microsoft sql server re...
422
      Subject: ever have a sm 4 ll spock take off? ...
                                                            1
423
      Subject: good news about your rate hows it be...
                                                            1
424
      Subject: all generic viagra prices include a f...
                                                            1
425
      Subject: save your money buy getting this thin...
                                                            1
426
      Subject: best deals on all generic viagra and ...
427
      Subject: re : education opportunity we spoke a...
428
      Subject: free health insurance quotes need he...
429
      Subject: save your money buy getting this thin...
                                                            1
      Subject: you don _ t know how to attract custo...
430
                                                            1
431
      Subject: kime oy vereceksiniz ? ?yi g?nler d...
                                                            1
432
      Subject: you could need itt how to save on yo...
                                                            1
433
      Subject: the future of continuing education s...
                                                            1
434
      Subject: free adult dvds . no purchase necessa...
435
      Subject: a cry for help dear friend, i am mr...
436
      Subject: don ' t pay another monthly bill unti...
                                                            1
437
      Subject: add sennse hello, welcome to the me...
                                                            1
438
      Subject: are you listed in major search engine...
                                                            1
439
      Subject: perfect logo charset = koi 8 - r " > ...
                                                            1
```

```
440
      Subject: your gateway to wealth profiles + p...
                                                            1
441
      Subject: your order # 5056 shopping for a loa...
                                                            1
442
      Subject: start shopping at costco today with a...
                                                            1
443
      Subject: more site sales do you take credit c...
                                                            1
      Subject: entrust your visual identity to us t...
444
445
      Subject: slim factors - a totally new approach...
                                                            1
446
      Subject: congratualtions zzzz 8969!!! you ...
447
      Subject: adv : your road to financial freedom ...
      Subject: you are approved for your loan !!! ...
448
                                                            1
449
      Subject: new love tabs shop . visit our llcen...
                                                            1
450
      Subject: save now * * * * * write down * * * ...
451
      Subject: you launched a website but no one vis...
                                                            1
      Subject: mmedz services hello, welcome to th...
452
                                                            1
453
      Subject: amazingg hello, welcome to ph unavo...
454
      Subject: http://www.wbm.us hello,
455
      Subject: you were accepted . here is your mone...
                                                            1
456
      Subject: amateur teens go bad 18 - 21 yr . ol...
                                                            1
457
      Subject: instant branded software download so...
                                                            1
458
      Subject: undelivered mail returned to sender ...
                                                            1
459
      Subject: custom design work corporate image c...
                                                            1
      Subject: fca offrr hello , welcome to phar se...
460
461
      Subject: a better investment than the stock ma...
462
      Subject: from mrs fati dear , i crave your i...
                                                            1
463
      Subject: all graphics software available, che...
                                                            1
464
      Subject: v and more hello, welcome to the me...
                                                            1
      Subject: hi , low price inkjet cartridges bvax...
465
                                                            1
466
      Subject: use this handy interest calculator to...
                                                            1
467
      Subject: get your babies diapers bill paid for ...
      Subject: good ooffr want to know how to save ...
468
469
      Subject: site update tue , 05 jul 2005 . subj...
470
      Subject: urgent safeharbor department warning ...
                                                            1
471
      Subject: the best place to buy viagra online a...
                                                            1
472
      Subject: simple pill solves complex problem n...
                                                            1
473
      Subject: all graphics software available, che...
                                                            1
474
      Subject: when will the real estate bubble burs...
475
      Subject: assistance me my name is mr . newton...
476
      Subject: easy - tag board : : more options to ...
477
      Subject: charity sees the need not the cost . ...
                                                            1
478
      Subject: new extensions now only $ 14 . 95 im...
                                                            1
479
      Subject: extraa chance how to save on your me...
                                                            1
480
      Subject: returned mail: see transcript for de...
                                                            1
481
      Subject: you have successfully added a new ema...
                                                            1
482
      Subject: debt information tue , 28 jun 2005 . ...
483
      Subject: delivery failure : user antonio _ lam...
484
      Subject: free euro . on january 1st 2002 , th...
                                                            1
485
      Subject: last longer in bed hello , did you ...
                                                            1
486
      Subject: i am interested in buy ad space . hi...
                                                            1
487
      Subject: erectile dysfunction ruining your sex...
                                                            1
```

```
488
      Subject: kit torre empilhadeira savi santos ,...
                                                            1
489
      Subject: wall street 's dirty little secret ...
                                                            1
490
      Subject: increase the volume of your ejaculati...
                                                            1
491
      Subject: undelivered mail returned to sender ...
                                                            1
492
      Subject: ms office xp pro $ 49 . 95 ms 2003 o...
                                                            1
493
      Subject: future goals urgent noticepending me...
                                                            1
494
      Subject: econommize more hello, welcome to p...
495
      Subject: home loans just got better ! free se...
496
      Subject: high - quality affordable logos corp...
                                                            1
497
      Subject: your logo and visual identity from us...
                                                            1
498
      Subject: all graphics software available, che...
                                                            1
499
      Subject: re : change of plans hello you two ,...
                                                            1
500
      Subject: looking for good it team ? we do soft...
                                                            1
501
      Subject: in the heart of your business ! corp...
502
      Subject: $ 3 leads ! click here to have a rep...
503
      Subject: any med for your girl to be happy! ...
                                                            1
504
      Subject: reduce cellulite . proven alternative...
                                                            1
505
      Subject: from david wood london (citibank) ...
                                                            1
506
      Subject: give her something to smile about my...
                                                            1
507
      Subject: are you ready to get it? hello! v...
                                                            1
508
      Subject: let the tba doctor save your tough ca...
509
      Subject: up to $ 1 , 500 . 00 part time 22311 ...
510
      Subject: shee thinks i ' m a god hello , welc...
                                                            1
511
      Subject: wallstreet pulse good day to all bro...
                                                            1
512
      Subject: money: $ 21362 dear homeowner, you...
                                                            1
513
      Subject: promote your business the power of e...
                                                            1
514
      Subject: telemarketers earn $ 250 + per lead u...
                                                            1
515
      Subject: outstanding opportunities for " premi...
                                                            1
516
      Subject: all prescriptions are dispensed by li...
517
      Subject: software cds $ 15 and $ 99 get al sof ...
518
      Subject: mail delivery failed: returning mess...
                                                            1
519
      Subject: perfect visual solution for your busi...
                                                            1
520
      Subject: an innovative plan for today 's mark...
                                                            1
521
      Subject: all graphics software available, che...
                                                            1
522
      Subject: perfect logo charset = koi 8 - r " > ...
                                                            1
523
      Subject: back to happy and healthy life . . . . ...
      Subject: failure notice hi . this is the gmai...
524
525
      Subject: you can get a quote from 4 major lend...
                                                            1
526
      Subject: v foorever hello , welcome to pha ru...
                                                            1
527
      Subject: secretly record all internet activity...
                                                            1
528
      Subject: [ ilug - social ] everybody gets paid...
                                                            1
529
      Subject: hi how to save on customer your medl...
                                                            1
530
      Subject: out of office autoreply : just to her...
                                                            1
531
      Subject: small - cap stoxs can mean gains for ...
532
      Subject: failure notice hi . this is the qmai...
                                                            1
533
      Subject: winning notification ! ! bank giro 1 ...
                                                            1
534
      Subject: today 's special: amazing penetrati...
                                                            1
535
      Subject: exactseek - verify your site submissi...
                                                            1
```

```
536
      Subject: make thousands just sending emails . ...
537
      Subject: quiicker hello , welcome to pha judg...
                                                             1
538
      Subject: same medicine, different price! bi...
                                                             1
539
      Subject: re : systemworks clearance sale _ lim...
                                                             1
      Subject: in the heart of your business! corp...
540
                                                             1
541
      Subject: returned mail : can ' t create output...
                                                             1
542
      Subject: cash: $ 293622 dear homeowner, you...
543
      Subject: id = : : ffff : 220 . 184 . 181 . 141...
544
      Subject: expert web site analysis - at no char...
                                                             1
545
      Subject: new offrr want to know ho liberalize...
                                                             1
      Subject: does your business depend on the onli...
546
                                                             1
547
      Subject: save your money by getting an oem sof ...
                                                             1
548
      Subject: save your money buy getting this thin...
                                                             1
549
      Subject: free ltci policy comparison software ...
550
      Subject: renew your vitality for the first ti...
                                                             1
551
      Subject: all graphics software available, che...
                                                             1
552
      Subject: software taking a bite out of your bu...
                                                             1
553
      Subject: mail delivery failed: returning mess...
                                                             1
554
      Subject: featured sto - ck positioned to grow ...
                                                             1
555
      Subject: fortune 500 work at home reps needed ...
                                                             1
      Subject: professional advertising dear projec...
556
557
      Subject: calling all small stock players ames...
558
      Subject: lose 11 pounds in 7 days iml long ti...
                                                             1
559
      Subject: urgent contact from the desk of : dr ...
                                                             1
560
      Subject: you don _ t know how to get into sear ...
                                                             1
      Subject: all wraps around graand hello concet...
561
                                                             1
562
      Subject: is this sto - ck ready to blaze highe...
                                                             1
      Subject: estate of your late relative barrist...
563
                                                             1
564
      Subject: your commissions of $ 5000 per week !...
565
      Subject: mail delivery failed : returning mess...
566
      Subject: blue horseshoe meet me dear reader :...
                                                             1
567
      Subject: msnbc : rates hit 18 year low 4 . 75 ...
                                                             1
568
                                      Subject: . jif .
                                                               1
569
      Subject: any med for your girl to be happy! ...
                                                             1
570
      Subject: there is a genuine log home in your f...
                                                             1
571
      Subject: adv oil and gas investment tgym how ...
572
      Subject: ouur medz hello , welcome to pharmon...
573
      Subject: failure notice hi . this is the qmai...
                                                             1
574
      Subject: your in - home source of health infor...
                                                             1
575
      Subject: hi how to save on your medlcatlons o...
                                                             1
576
      Subject: new version 7 : uncover the truth abo...
                                                             1
577
      Subject: now your woman will be really happy w...
                                                             1
578
      Subject: unlimited cash bonuses ! from mo mar...
                                                             1
579
      Subject: delivery status notification - these ...
580
      Subject: here is the place to find the one you...
                                                             1
581
      Subject: vaal medz how t pestilent o save on ...
                                                             1
582
      Subject: you want to submit your website to se...
                                                             1
583
      Subject: microsoft autoroute 2005 dvd uk - $ 1...
                                                             1
```

```
584
      Subject: muscles , money , and looks help - bu...
585
      Subject: failure notice hi . this is the qmai...
                                                            1
586
      Subject: undelivered mail returned to sender ...
                                                            1
587
      Subject: porn p . o . : your 10 free pictures ...
                                                            1
      Subject: # # # # # # # # guaranteed $ 50 ,...
588
589
      Subject: wait too long and . . . 1147 secretl...
                                                            1
590
      Subject: you want to submit your website to se...
591
      Subject: phone service 2968 zuyw 7 - 202 ztvwo...
592
      Subject: free lancer eventos free lancer even...
                                                            1
593
      Subject: hi how to save on your medlc doggone...
                                                            1
594
      Subject: i think you might be interested 2005 ...
                                                            1
595
      Subject: feeling fat ? if anyone has called y...
                                                            1
596
      Subject: fulton bank online security message ...
                                                            1
597
      Subject: money is available . csse mortgage ...
598
      Subject: re : [ 9 ] this has been our final a...
599
      Subject: claim your free home depot gift card ...
                                                            1
600
      Subject: legal advice * this message was tran...
                                                            1
601
      Subject: save your money buy getting this thin ...
                                                            1
602
      Subject: more cash for the business you alread...
                                                            1
603
      Subject: [ ilug ] manuel oko attn : sir / mad...
                                                            1
604
      Subject: it works excelllent hello, welcome ...
      Subject: investment attn: president, from ...
605
606
      Subject: any software backups for lowest price...
607
      Subject: please restore your account access h...
                                                            1
608
      Subject: have you ever bought drugs online ? ...
                                                            1
      Subject: all natural viagra alternative! the ...
609
                                                            1
      Subject: you don _ t know how to get into sear ...
610
                                                            1
611
      Subject: new love tabs shop . visit our llcen...
612
      Subject: perfect logo charset = koi 8 - r " > ...
613
      Subject: looking for property in spain ? look...
614
      Subject: mortgage information for you! . . . ...
                                                            1
      Subject: largest collection of porn mo \ / ies...
615
                                                            1
616
      Subject: quick cash! sell your timeshare! ...
                                                            1
617
      Subject: failure notice hi . this is the qmai...
                                                            1
      Subject: save your money buy getting this thin ...
618
                                                            1
      Subject: [ ilug ] bank error in your favor su...
619
      Subject: free step - by - step seminar present...
620
621
      Subject: new stock : shooting stars stock repo...
                                                            1
622
      Subject: extra time - cures premature ejaculat...
                                                            1
623
      Subject: bettter control hello , welcome to p...
                                                            1
624
      Subject: perfect logo charset = koi 8 - r " > ...
                                                            1
      Subject: work from home . free info we need h ...
625
                                                            1
626
      Subject: international calls for only 33 cents...
                                                            1
627
      Subject: professional advertising dear projec...
628
      Subject: failure notice hi . this is the qmai...
629
      Subject: considered unsolicited bulk email fro...
630
      Subject: all graphics software available, che...
631
         Subject: discreet penis enlargement 4623 4623
```

```
632
      Subject: mail delivery failed: returning mess...
                                                            1
633
      Subject: earn 20 times your peers asset marke...
                                                            1
634
      Subject: a friendly professional online pharma...
                                                            1
635
      Subject: are you ready to get it ? hello ! v...
                                                            1
      Subject: i think, yes. the things we sell a...
                                                            1
636
637
      Subject: logo, stationer, website design and...
                                                            1
638
      Subject: all graphics software available, che...
639
      Subject: save your money buy getting this thin...
640
      Subject: upgrade welcome welcome to a commun...
                                                            1
641
      Subject: be informed , be prepared pandemic a...
                                                            1
642
      Subject: returned mail: see transcript for de...
                                                            1
643
      Subject: otc live 's new home run oil stock o...
                                                            1
644
      Subject: about your application we tried to c...
                                                            1
645
      Subject: your discount prescriptions resource ...
646
      Subject: you want to submit your website to se...
647
      Subject: online doctors will fill your viagra ...
                                                            1
648
      Subject: join some of the most successful peop...
                                                            1
649
      Subject: are you ready to get it? hello! v...
                                                            1
650
      Subject: megga offr hello , welcome to p need ...
                                                            1
651
      Subject: congratulations on your 2 new signups...
                                                            1
      Subject: viagra is the # 1 med to struggle wit...
652
653
      Subject: are you ready to get it? hello! v...
654
      Subject: important - cable tv consumers how a...
                                                            1
655
      Subject: use this handy interest calculator to...
                                                            1
656
      Subject: you launched a website but no one vis...
                                                            1
657
      Subject: looking for a specific medication ? 1...
                                                            1
658
      Subject: request for assistance barrister ade...
                                                            1
659
      Subject: all graphics software available, che...
                                                            1
660
      Subject: mortgage for even the worst credit zw...
661
      Subject: investor insight the oil and gas adv...
662
      Subject: save your money by getting an oem sof...
                                                            1
663
      Subject: returned mail: see transcript for de...
                                                            1
664
      Subject: free info . start your own internet c...
                                                            1
665
      Subject: sorry they were in a meeting urgent ...
                                                            1
666
      Subject: aggressive investors should be watchi...
                                                            1
667
      Subject: delivery status notification (failur...
      Subject: trusted savings on prescription drugs...
668
669
      Subject: acrobat pro 7 . 0 $ 69 . 95 systemwor...
                                                            1
670
      Subject: fast ship viagra , phentermine , etc ...
                                                            1
      Subject: fca offrr hello , welcome to strengt...
671
                                                            1
672
      Subject: in the heart of your business ! corp...
                                                            1
673
      Subject: watch this penny stox trade big news...
                                                            1
674
      Subject: * * your account may suspend * * dea...
                                                            1
675
      Subject: did yoou need medz ? hello , welcome...
      Subject: localized software, all languages av...
676
                                                            1
677
      Subject: entrust your visual identity to us t...
                                                            1
678
      Subject: important: $ 97438 dear homeowner, ...
                                                            1
679
      Subject: need a graphic artist ? come here . ...
                                                            1
```

```
680
      Subject: our medz how to save on your medlcat...
681
      Subject: computer file protection dear hulkjr...
                                                            1
682
      Subject: commercialization of nasa technology ...
                                                            1
683
      Subject: re : money issues ygr repair your cr...
                                                            1
684
      Subject: selling travel in today 's economy ...
                                                            1
      Subject: save your money by getting an oem sof...
685
                                                            1
686
      Subject: does financial freedom interest you ?...
687
      Subject: wanna be more man? check this dude ...
688
      Subject: save your money buy getting this thin ...
                                                            1
689
      Subject: i can see your on dialup how are you...
                                                            1
690
      Subject: we will guide you thru all of the ans ...
                                                            1
691
      Subject: let 's stop the mlm insanity! stil...
                                                            1
692
      Subject: goodd offr how to save on your lengt...
                                                            1
      Subject: neugierig ? --- 870879228701464 ...
693
      Subject: http://www.joelpittet.com he...
694
695
      Subject: free tv - 100 % legal good day to yo...
                                                            1
696
      Subject: we dare you to find a better annuity ...
                                                            1
697
      Subject: need an outstanding logo now? worki...
                                                            1
698
      Subject: perfect logo charset = koi 8 - r " > ...
                                                            1
699
      Subject: your e - mail to anvasetc - 1111 @ gr...
                                                            1
700
      Subject: on line gaming report special online...
701
      Subject: this stock rumored to fly special si...
702
      Subject: we are on the look - out for new part...
703
      Subject: the man of stteel hello, welcome to ...
                                                            1
704
      Subject: low price software http://neonat...
                                                            1
705
      Subject: 1 - 4 extra inches makes a massive di...
                                                            1
706
      Subject: urgent response dear sir / madam , ...
                                                            1
707
      Subject: perfect logo charset = koi 8 - r " > ...
                                                            1
708
      Subject: viagra - proven step to start somethi...
709
      Subject: you want to submit your website to se...
710
      Subject: antil co . , ltd . ( bangkok ) antil...
                                                            1
711
      Subject: how will this affect the reporting ag...
                                                            1
712
      Subject: [ wm ] ( no subject ) dear our guest...
                                                            1
713
      Subject: innovative and effective design for y...
                                                            1
714
      Subject: home reps wanted - fortune 500 comp h...
                                                            1
715
      Subject: the best possible mortgage has your ...
716
      Subject: all graphics software available, che...
717
      Subject: 4 for 1 forward stock split - ends mo...
                                                            1
718
      Subject: i need your help dear sir , in view...
                                                            1
719
      Subject: free original star wars cards adv : ...
                                                            1
720
      Subject: massage from bernard from : bernard ...
                                                            1
721
      Subject: hardcore sex & orgies !!! hot girl...
                                                            1
722
      Subject: need an outstanding logo now? worki...
                                                            1
723
      Subject: here is the money we owe you dear ap...
724
      Subject: buyer beware - penis patches ! penis...
                                                            1
725
      Subject: unbiased info for investor intelligen...
                                                            1
726
      Subject: i want to mentor you - no charge thi...
                                                            1
727
      Subject: financial opportunity [ eew 58 ] the...
                                                            1
```

```
728
      Subject: julies cam info hi . . . . my name ...
                                                            1
729
      Subject: server for mailing dear projecthoney...
                                                            1
730
      Subject: corporate identity for your business ...
                                                            1
731
      Subject: your next investment should be this s...
                                                            1
732
      Subject: re [ 4 ] : terra investigate blackou...
                                                            1
733
      Subject: you don _ t know how to get into sear ...
                                                            1
734
      Subject: regain your confidence viagra online ...
735
      Subject: are you listed in major search engine...
736
      Subject: delivery status notification (failur...
                                                            1
737
      Subject: re [ 21 ] keep calm ! in 1827 sims v...
                                                            1
738
      Subject: spend too much on your phone bill ? 2...
                                                            1
      Subject: perfect logo charset = koi 8 - r " > ...
739
                                                            1
740
      Subject: the stickiest faces ever !!!! sho...
                                                            1
741
      Subject: returned mail: see transcript for de...
742
      Subject: failure notice hi . this is the qmai...
743
      Subject: your anticipated assistant is require...
                                                            1
744
      Subject: in financial planning time is your fr...
                                                            1
745
      Subject: my new life hello, welcome to pharm...
                                                            1
746
      Subject: check these wonderful reduced prices ...
                                                            1
747
      Subject: returned mail: see transcript for de...
                                                            1
748
      Subject: fluid analysis our customer speak vo...
                                                            1
749
      Subject: claim your free $ 1000 home depot gif...
750
      Subject: foreign currency trading report volu...
                                                            1
751
      Subject: add logos and tones to your cell phon...
                                                            1
752
      Subject: in the heart of your business ! corp...
                                                            1
753
      Subject: affordable - the way medications shou...
                                                            1
754
      Subject: life - time upgrades for freeq 4 ili ...
                                                            1
755
      Subject: not anotther bad offr hello , welcom...
                                                            1
756
      Subject: considered unsolicited bulk email fro...
      Subject: http://www.shackleton.net he...
757
758
      Subject: failure notice hi . this is the qmai...
                                                            1
759
      Subject: in the heart of your business ! corp...
                                                            1
760
      Subject: . message report from your contact pa...
                                                            1
761
      Subject: your logo and visual identity from us...
                                                            1
762
      Subject: localized software, all languages av...
                                                            1
      Subject: [ ilug ] business central bank of ni...
763
764
      Subject: ) . your message subject : just to ...
765
      Subject: localized software, all languages av...
                                                            1
766
      Subject: real time leads - no brokers your na...
                                                            1
767
      Subject: you don _ t know how to get into sear ...
                                                            1
768
      Subject: re : do you smoke ? noscv lookln 4 a...
                                                            1
769
      Subject: all graphics software available, che...
                                                            1
770
      Subject: start your trading day with a bang h...
                                                            1
771
      Subject: use this handy interest calculator to...
                                                            1
772
      Subject: * * message you sent blocked by our b...
                                                            1
773
      Subject: impaired risk case of the month male...
                                                            1
774
      Subject: are you ready to get it ? hello!
                                                            1
775
      Subject: all graphics software available, che...
                                                            1
```

```
776
      Subject: onseek . com - site submission incomp...
                                                            1
777
      Subject: breaking news about cable good day t...
                                                            1
778
      Subject: to your health - a guide to online ph ...
                                                            1
779
      Subject: banner life upgraded to a + + effect...
                                                            1
780
      Subject: levltrra , xana , merldll hello , tr...
                                                            1
781
      Subject: save your money buy getting this thin...
                                                            1
782
      Subject: an alternative to mlm that works gre...
783
      Subject: v . i . a . g . r . a - the cheappess...
784
      Subject: re [ 15 ] : i ' ll give you . . micr...
                                                            1
785
      Subject: any med for your girl to be happy! ...
                                                            1
786
      Subject: save 70 % on laser toner and inkjet c...
                                                            1
787
      Subject: delivery status notification - these ...
                                                            1
788
      Subject: low cost high rated insurance . why p...
                                                            1
789
      Subject: cigarettes wholesale ! hywwzzlzd $ 1...
790
      Subject: learn the secrets of investing in rea...
791
      Subject: well , do you need it ? hello , welc...
                                                            1
792
      Subject: equipment finance and leasing contac...
                                                            1
793
      Subject: premium online medication here kodac...
                                                            1
794
      Subject: http://www.jumpsociety.com h...
                                                            1
795
      Subject: re: got ink? 21846 what have you b...
                                                            1
796
      Subject: we owe you lots of money dear applic...
                                                            1
797
      Subject: considered unsolicited bulk email fro...
798
      Subject: i know your company! it is really h ...
                                                            1
799
      Subject: reading to children has proven to inc...
                                                            1
800
      Subject: need an outstanding logo now? worki...
                                                            1
      Subject: localized software, all languages av...
801
                                                            1
802
      Subject: very cool offrr how to save on your ...
                                                            1
803
      Subject: enhance your anatomy i ' ve been usi...
                                                            1
804
      Subject: dowlnoadable 70 + xxx vldeos with por...
805
      Subject: get the software you need , now ! so ...
806
      Subject: you ' ve received a greeting from a f...
                                                            1
807
      Subject: localized software, all languages av...
                                                            1
808
      Subject: all graphics software available, che...
                                                            1
809
      Subject: all graphics software available, che...
                                                            1
810
      Subject: guaranteed to re - grow your hair . ...
                                                           1
      Subject: entrust your visual identity to us t...
811
                                                            1
812
      Subject: this free 7 - day trial will prove th...
813
      Subject: you want to submit your website to se...
                                                            1
814
      Subject: earn extra income * * want to make a...
                                                            1
815
      Subject: a chance to get new logo now working...
                                                            1
816
      Subject: in the heart of your business ! corp...
                                                            1
      Subject: multiply your customer base ! dear r...
817
                                                            1
818
      Subject: 1000 's of computer products on sale...
                                                            1
819
      Subject: congratulations on your 6 new signups...
                                                            1
820
      Subject: claim your free $ 1000 home depot gif...
                                                            1
821
      Subject: http://www.efi.ie/http:/...
                                                            1
822
      Subject: give your pc a tune - up with system ...
                                                            1
823
      Subject: ( no subject ) want to watch hardcor...
                                                            1
```

```
824
      Subject: all star break special : get a flag t...
                                                            1
825
      Subject: congratulations on your 6 new signups...
                                                            1
826
      Subject: returned mail: response error the o...
                                                            1
827
      Subject: tired of your high mortgage rate - re...
                                                            1
828
      Subject: re : [ 3 ] this will be our closing ...
829
      Subject: the best just got better male, age ...
                                                            1
830
      Subject: new love tabs shop . visit our llcen...
831
      Subject: hey ! tell your friends to hit me up ...
832
      Subject: send the love home with an online pho...
                                                            1
833
      Subject: make some extra money fast read how h ...
                                                            1
834
      Subject: [ ilug ] assistance from : col . mic...
                                                            1
835
      Subject: 75 % reduction in road accidents aug...
                                                            1
836
      Subject: it 's mariah from dating service i ...
                                                            1
837
      Subject: judicial judgments - child support m...
838
      Subject: we build the internet . webxperts . c...
839
      Subject: credit is no factor hows it been goi ...
                                                            1
840
      Subject: your help dear sir , i am mrs maria...
                                                            1
841
      Subject: garden ornaments | ppu our delightfu...
                                                            1
842
      Subject: mail delivery failed : returning mess...
                                                            1
843
      Subject: adobe + macromedia + os etc all in cd...
                                                            1
844
      Subject: likee a rock hello, welcome to phar...
845
      Subject: re : your bank account dear friend ...
846
      Subject: be one of our survey takers and we ' ...
                                                            1
847
      Subject: women with cum on their face !!! c...
                                                            1
848
      Subject: the big unit i ' ve been using your ...
                                                            1
849
      Subject: bring on the best software . . . at t...
                                                            1
850
      Subject: you 're my dream come true 0 hello ...
                                                            1
851
      Subject: urgent reply . from the desk of : ba...
852
      Subject: the probblem solved how to save on y...
853
      Subject: looking for a new job ? professional...
854
      Subject: let 's appreciate it . . . dear ...
                                                            1
855
      Subject: hi how to save on your fashion medlc...
                                                            1
856
      Subject: undelivered mail returned to sender ...
                                                            1
857
      Subject: [ ilug ] ilug - admin , enhance your ...
                                                            1
858
      Subject: uregent ! important information about...
                                                            1
859
      Subject: understanding oem software send the ...
      Subject: perfect visual solution for your busi...
860
861
      Subject: don ' t get ripped off ! things to wa...
                                                            1
862
      Subject: software store http://infinity...
                                                           1
      Subject: re [7]: talk thread about his pill...
863
                                                            1
864
      Subject: are you ready to get it ? hello ! v...
                                                            1
      Subject: you don _ t know how to attract custo...
865
                                                            1
866
      Subject: your premier mortgage information sou...
                                                            1
867
      Subject: fortune 500 company hiring, at home ...
868
      Subject: perfect logo charset = koi 8 - r " > ...
                                                            1
869
      Subject: does your business depend on the onli...
                                                            1
870
      Subject: it works greatt hello , welcome to m...
                                                            1
871
      Subject: software megastore http://grimal...
                                                            1
```

```
872
      Subject: best prescription generic meds 4 less...
873
      Subject: we have been helping thousands of men...
                                                            1
      Subject: = ? iso - 8859 - 1 ? q ? clausura _ c...
874
                                                            1
875
      Subject: i 6 h : logo your business identity ...
                                                            1
876
      Subject: in the heart of your business! corp...
                                                            1
877
      Subject: in the heart of your business ! corp...
                                                            1
878
      Subject: ip cameras for your security system ...
879
      Subject: undelivered mail returned to sender ...
880
      Subject: returned mail: see transcript for de...
                                                            1
      Subject: the government grants you $ 25,000 ...
881
                                                            1
      Subject: greatly improve your stamina you 'v...
882
                                                            1
883
      Subject: internet connectivity that beats the ...
                                                            1
884
      Subject: at your serrvice hello , welcome to ...
                                                            1
885
      Subject: delivery status notification - these ...
886
      Subject: save 84 % on ce credits no hidden fe...
887
      Subject: we are one of the world leading legal ...
                                                            1
888
      Subject: save your money by getting an oem sof...
                                                            1
889
      Subject: perfect logo charset = koi 8 - r " > ...
                                                            1
890
      Subject: you don _ t know how to get into sear ...
                                                            1
      Subject: re [ 4 ] : don ' t get left behind ! ...
891
                                                            1
892
      Subject: proteja su negocio!! cctv, alarmas...
893
      Subject: hey aro aro ; ) projecthoneypot @ pr...
894
      Subject: welcome to vip quality software . os ...
895
      Subject: inexpensive software looking for ine...
                                                            1
896
      Subject: i don ' t work . . . but i have a ton...
                                                            1
897
      Subject: good day friend dear friend, my na...
                                                            1
898
      Subject: leading in affordable healthcare . . ...
                                                            1
899
      Subject: major stock play amnis systems, inc...
900
      Subject: is your brother in need of a loan ho...
901
      Subject: turn your paypal account into a non -...
902
      Subject: new vacancies availablee the leading...
                                                            1
903
      Subject: chheep medz how to save o vacationis...
                                                            1
904
      Subject: fw : keep it under wraps , but this o...
                                                            1
905
      Subject: i know your company! It is really h ...
                                                            1
906
      Subject: :: fast acting viagra at last (fa...
                                                            1
      Subject: send real paper greeting cards on - 1...
907
      Subject: mail delivery failed: returning mess...
908
909
      Subject: partnership . from : zimmy mabo . t...
                                                            1
910
      Subject: any med for your girl to be happy! ...
                                                            1
      Subject: [ ilug ] deal subject : urgent conc...
911
                                                            1
912
      Subject: how are ya? hey , how ya been ? lon...
                                                            1
      Subject: men charset = windows - 1252 " > vig...
913
                                                            1
914
      Subject: find the lowest price for viagra onli...
                                                            1
915
      Subject: get debts off your back - time : 5 : ...
                                                            1
916
      Subject: guaranteed best mortgage rate the b...
                                                            1
917
      Subject: medzz services hello, welcome to ph...
                                                            1
918
      Subject: save your money buy getting this thin...
                                                            1
919
      Subject: jump start desire in both men and wom...
                                                            1
```

```
920
      Subject: better sex ! better relationship ! v...
921
      Subject: line ? usa today says " the must hav...
                                                            1
922
      Subject: first - class prescripiton medication...
                                                            1
923
      Subject: 376 : unique - logos ! your business...
                                                            1
924
      Subject: foreign business representative neede...
                                                            1
925
      Subject: market internet access - no investmen...
                                                            1
926
      Subject: business joint venture perhaps you a...
927
      Subject: julie invites you to her free webcam ...
928
      Subject: your in - home source of health infor...
                                                            1
929
      Subject: viagrra scores ! hello , welcome to ...
                                                            1
930
      Subject: save your money by getting an oem sof ...
                                                            1
931
      Subject: sometimes , not always , i like the i...
                                                            1
932
      Subject: confirm results of your refina [ n ] ...
                                                            1
933
      Subject: look to our shop for all your prescri...
934
      Subject: a new era of online medical care . n...
935
      Subject: greeat medz how to save on your medl ...
                                                            1
936
      Subject: rready to go in 15 minutes hello, w...
                                                            1
937
      Subject: re : nawty locals in your area pdi s...
                                                            1
938
      Subject: a chance to get new logo now working...
                                                            1
939
      Subject: free hgh - look 10 years younger in 3...
                                                            1
940
      Subject: new love tabs shop . visit our llcen...
941
      Subject: don ' t be a fuddy - duddy . . . use ...
942
      Subject: quarterly statement notice security ...
                                                            1
943
      Subject: hello from = seko moshood mobutu te...
                                                            1
944
      Subject: unique logos / customer recognition (...
                                                            1
945
      Subject: the volleyball confidence guide the ...
                                                            1
946
      Subject: double coverage amount, same payment...
                                                            1
947
      Subject: hot stock info : drgv announces anoth...
948
      Subject: now you can learn the most pleasant m...
949
      Subject: failure notice hi . this is the qmai...
950
      Subject: lock in your clients ' gains ! a win...
                                                            1
951
      Subject: more then 70 great pornstars sex movl...
                                                            1
952
      Subject: more then 70 great pornstars sex movl...
                                                            1
953
      Subject: account zzzz @ example . com new acc...
                                                            1
954
      Subject: fw : [5] how have you been ? i ha...
                                                            1
955
      Subject: email list - 100 million addresses $ ...
956
      Subject: are you ready to get it? hello! v...
957
      Subject: . + . 80 to 95 % below wholesale 2306...
                                                            1
958
      Subject: hey man , stop throwing away your mon ...
                                                            1
959
      Subject: find where to buy online cheap viagra...
                                                            1
960
      Subject: failure notice hi . this is the qmai...
                                                            1
961
      Subject: moore medz hello, welcome to medzon...
                                                            1
962
      Subject: cell phone weather service for outdoo ...
963
      Subject: your own desk top investigator astou...
964
      Subject: you are approved!!! ( 158545 ) ou...
                                                            1
965
      Subject: windows xp pro $ 49 . 95 ms 2003 opt...
                                                            1
966
      Subject: online pharmacy - buy drugs online a ...
                                                            1
967
      Subject: keep your home safe u . s . homeowne...
                                                            1
```

```
968
      Subject: i think you might be interested hell...
969
      Subject: macromedia studio mx 2004 ( 1 cd ) $ ...
                                                            1
970
      Subject: custom logos and identities from us ...
                                                            1
971
      Subject: will this stox rock ? we told you to...
                                                            1
      Subject: all the software you ' 11 ever need t...
972
973
      Subject: info you requested kcc thank you for ...
974
      Subject: your application is below . expires j...
975
      Subject: secretly record all internet activity...
976
      Subject: overstocked sunglasses for complement...
                                                            1
      Subject: please read : newsletter regarding sm...
977
                                                            1
978
      Subject: perfect logo charset = koi 8 - r " > ...
                                                            1
979
      Subject: i know your company! It is really h ...
                                                            1
980
      Subject: new breed of equity trader $ $ $ $ $ ...
                                                            1
981
      Subject: oreo cookies nationwide survey - win ...
982
      Subject: are you ready to get it ? hello ! v...
983
      Subject: need to find something? to be remov...
                                                            1
984
      Subject: custom warez cds introduction we sel ...
                                                            1
985
      Subject: we have been rated as # 1 one - stop ...
                                                            1
986
      Subject: failure notice hi . this is the qmai...
                                                            1
987
      Subject: learn to build simple and clean websi...
                                                            1
988
      Subject: returned mail: see transcript for de...
      Subject: for your information this is going t...
989
990
      Subject: take action immediately or miss out ...
      Subject: hi , goood news hello , welcome to m...
991
                                                            1
992
      Subject: i do not have anything against you o...
                                                            1
993
      Subject: maam , does your man satisfy you how...
                                                            1
994
      Subject: secure your account dear lasalle ban ...
                                                            1
995
      Subject: save your money by getting an oem sof ...
996
      Subject: software for system builders , resell...
997
      Subject: fantastic investors info maisonette ...
998
      Subject: save your money buy getting this thin ...
                                                            1
999
      Subject: 70 percent off your life insurance ge...
                                                            1
1000
      Subject: save your money buy getting this thin...
                                                            1
1001
      Subject: lose 20 pounds in 10 days 27540 lose...
                                                            1
      Subject: from brand names to generics, from o...
1002
1003
      Subject: are you ready to get it? hello! v...
1004
      Subject: shopping for software ? now in your 1...
1005
      Subject: breathtaking image for your company n...
     Subject: do not settle for less than a rolex ...
1006
1007
      Subject: ke casino spring fling competition : ...
                                                            1
     Subject: a 1 time charge add your property / s...
1008
                                                            1
      Subject: localized software, all languages av...
1009
                                                            1
1010
      Subject: anti - aging that works . no more bot...
1011
      Subject: you don ' t satisfy me fgtpril a man...
1012
      Subject: application was accepted . confirm re...
1013
      Subject: workss good want to know how to save...
1014
      Subject: mcle seminars click here to be rem...
                                                            1
1015
     Subject: failure notice hi . this is the qmai...
                                                            1
```

```
1016
     Subject: returned mail: see transcript for de...
1017
     Subject: ( no subject ) copy any dvd movie us...
                                                           1
1018
     Subject: new love tabs shop . visit our llcen...
                                                           1
     Subject: you have won! the prize award depar...
1019
                                                           1
1020
     Subject: award winning notification netherlan...
1021
      Subject: penis enlargement announcement the p...
     Subject: save your money buy getting this thin...
1023
     Subject: i missed you 24632 if amateurs is wh...
1024
     Subject: localized software, all languages av...
                                                           1
1025
     Subject: presenting funding with ease the mor...
                                                           1
1026
     Subject: we have been rated as # 1 one - stop ...
1027
     Subject: want to make a million!!!!!...
                                                           1
1028
     Subject: impress your girl with a huge cumshot...
                                                           1
     Subject: greatly improve your stamina the lon...
1030
     Subject: the penis patch is amazing the penis...
1031
     Subject: very sspecial offr hello , welcome t...
                                                           1
1032
     Subject: delivery status notification (failur...
                                                           1
1033
     Subject: delivery status notification - these...
                                                           1
1034
     Subject: the database that bill gates doesnt w...
1035
     Subject: you don _ t know how to get into sear ...
                                                           1
1036
     Subject: your membership community charset = i...
1037
     Subject: more vv want to know h furfur ow to ...
1038
     Subject: are you ready to get it? hello! v...
1039
     Subject: unauthorized transactions on your acc...
                                                           1
1040
     Subject: softwares cds all software under $ 15...
                                                           1
1041
     Subject: peniss growth patches are here! . . ...
                                                           1
1042
     Subject: all graphics software available, che...
                                                           1
1043
     Subject: harderr hello, welcome to medzon vi...
1044
     Subject: fbi color: 003399; font - size: 14...
1045
     Subject: all graphics software available , che...
1046
     Subject: 3 . 5 % fixed payment 30 year loan 3...
                                                           1
1047
      Subject: no more need for a lift or support br...
                                                           1
1048
     Subject: [ ilug - social ] we want to trade wi...
                                                           1
     Subject: would you like a $ 250 gas card? do...
1049
                                                           1
1050
     Subject: entrust your visual identity to us t...
     Subject: banned cd ! banned cd ! i have been ...
1051
1052
     Subject: cialis offers you the freedom of choo...
1053
     Subject: traditional & internet marketing tool...
1054
     Subject: too many credit card bills ! - this f...
                                                           1
1055
     Subject: yourr medz hello , welcome to ph dis...
                                                           1
     Subject: investment opportunity . dear friend...
1056
                                                           1
     Subject: latina teens!! see these sweet lat...
1057
                                                           1
1058
     Subject: econommize more hello, welcome to p...
1059
     Subject: special report! tivo: now or never ...
1060
     Subject: loaded with technology for business a...
1061
     Subject: highest concentration of pure human p...
1062
     Subject: you ' ve won $ 100 , 000 . claim it n...
                                                           1
1063
     Subject: the thing is that a great errrection ...
                                                           1
```

```
Subject: more than 100 , 000 u . s . jobs avai...
1064
1065
     Subject: neeed medz ? how to save on your me ...
                                                           1
1066
     Subject: save your money by getting an oem sof...
                                                           1
      Subject: reach 100, 000 brokers charset = win...
1067
                                                           1
1068
     Subject: take advantage of this offer 24344 c...
     Subject: out of this world $ aving $ on all xp...
1069
     Subject: in the heart of your business! corp...
1071
     Subject: vov . gget luxurious rolexes at the g...
1072 Subject: a chance to get new logo now working...
                                                           1
1073
     Subject: looking for cheap high - quality soft...
                                                           1
1074
     Subject: 200 million targeted leads cd * only ...
                                                           1
1075
     Subject: largest collection of porn mo \ / ies...
                                                           1
     Subject: 35 % lifetime renewals - unbeatable p...
1076
                                                           1
1077
     Subject: re: good day, a well wisher showe...
1078
     Subject: get more orders for anything you sell...
     Subject: all your life # 4 c 55 this is a mim...
1079
                                                           1
1080
     Subject: [ avfs ] romanian software production...
                                                           1
     Subject: books about thailand hello planning...
1081
                                                           1
     Subject: this is where it all begins no where...
1082
1083
     Subject: re: account information email adver...
                                                           1
     Subject: wearing ro , lex is stylish . wearing...
1084
1085
     Subject: trading for a living (all you should...
1086
     Subject: judicial judgements child support ve...
1087
     Subject: custom logos and identities from us ...
                                                           1
     Subject: bigger , fuller breasts naturally in ...
1088
1089
     Subject: new medz how t cornel o save on your...
                                                           1
     Subject: investment offer from joseph otisa i...
1090
                                                           1
1091
     Subject: attn : i presume this mail will not ...
1092
     Subject: minimize your phone expenses unlimit...
1093
     Subject: none hello, this is a one time mai...
     Subject: great news . youve been pre - approve...
1094
                                                           1
1095
     Subject: naturally irresistible your corporate...
                                                           1
1096
     Subject: viagra is it the right medication for...
                                                           1
1097
     Subject: limited access to sensitive paypal ac...
                                                           1
1098
     Subject: real drugs - viagra and phentrimine !...
1099
     Subject: big range of all types of downloadabl...
     Subject: candy super $ money maker you are re...
1101
     Subject: i want to mentor you this week i sho...
     Subject: in the heart of your business ! corp...
1102
1103
     Subject: our goood medz hello, welcome to ph...
                                                           1
     Subject: logo , stationer , website design and...
1104
                                                           1
     Subject: restore your access security assist...
1105
                                                           1
     Subject: make your rivals envy lt is really h...
1106
1107
     Subject: term insurance is out aggressive und...
1108
     Subject: a heartwarmer : just imagine ~ welco...
1109
     Subject: does your business depend on the onli...
1110
     Subject: perfect visual solution for your busi...
                                                           1
     Subject: localized software, all languages av...
1111
                                                           1
```

```
1112
     Subject: delivery status notification (failur...
1113
     Subject: = ? iso - 8859 - 1 ? q ? lose = 20 fa...
                                                           1
     Subject: naturally irresistible your corporate...
1114
                                                           1
     Subject: you may want to look into funding fro...
1115
                                                           1
1116
     Subject: professionally - designed logos and i...
1117
      Subject: [ ilug - social ] re : guaranteed to ...
     Subject: save your money by getting an oem sof...
1119
     Subject: perfect logo charset = koi 8 - r " > ...
1120
     Subject: are you happy about your size and sex...
                                                           1
1121
     Subject: get your babies diapers bill paid for...
                                                           1
1122
     Subject: perfect logo charset = koi 8 - r " > ...
1123
     Subject: affordable online prescripiton here ...
1124
     Subject: internet news feeds for executives df...
                                                           1
     Subject: we will guide you thru all of the ans...
1126
     Subject: save your money by getting an oem sof...
1127
     Subject: you don _ t know how to get into sear...
                                                           1
1128
     Subject: take the pill and enjoy great sex th...
                                                           1
1129
     Subject: mail delivery failed: returning mess...
                                                           1
     Subject: any med for your girl to be happy! ...
1130
1131
     Subject: are you ready to get it ? hello ! v...
                                                           1
1132
     Subject: save your money buy getting this thin...
1133
     Subject: subprime refi mail sale subprime re...
1134
     Subject: 25 mmg works wonders how to save on ...
1135
     Subject: save your money buy getting this thin...
                                                           1
     Subject: security alert - confirm your ebay in...
1136
1137
     Subject: you can win an extreme bedroom makeov...
                                                           1
     Subject: failed mail your message to mxo 0 . ...
1138
                                                           1
1139
     Subject: glasglow follow up hello objective -...
1140
     Subject: http://www.foulston.com hell...
     Subject: 5000 full color postcards for $ 329 ...
1142
     Subject: you don _ t know how to attract custo...
                                                           1
1143
     Subject: still wanna her ? : - ) you have not...
                                                           1
     Subject: checking account update dear reader ...
1144
                                                           1
     Subject: no pills , no pumps - its the patch ...
1145
                                                           1
1146
     Subject: look! desparately seeking 100 lazy p...
1147
     Subject: you 've won! confirmation number 56...
     Subject: returned mail: see transcript for de...
1149
     Subject: elektronik lottery promotion prize aw...
1150
     Subject: first - class quality . economic pric...
1151
     Subject: localized software, all languages av...
                                                           1
1152
     Subject: get rid of premature ejaculation and ...
                                                           1
     Subject: = ? iso - 8859 - 1 ? q ? fw : _ cd _ ...
1153
     Subject: re : [ 1 ] save over $ 70 on this exq...
1154
     Subject: your online sales are low because you...
     Subject: hi ho aussie w to save on your medlc...
1156
1157
     Subject: make your rivals envy lt is really h...
1158
     Subject: clear benefits of creative design lt...
                                                           1
1159
     Subject: adv: win a green card and become a u...
                                                           1
```

```
1160
     Subject: your in - home source of health infor...
1161
     Subject: re : we have all your favorite progra...
                                                            1
     Subject: i think you might be interested 2005 ...
1162
                                                            1
     Subject: een avontuurtje is oke , als je dit ...
1163
                                                            1
1164
     Subject: very uuseful attache how to save on ...
1165
     Subject: best deals on all generic viagra and ...
     Subject: don ' t lose your data ! prevent futu...
1167
     Subject: the money control system the money c...
1168
     Subject: grand - slam stox momentum alert iss...
                                                            1
1169
     Subject: heatt kills hello, cbs / a mythiciz...
                                                            1
1170
     Subject: first - level designers available for...
1171
     Subject: your order hwjw learn how to use th...
1172
     Subject: are you ready to get it? hello!
                                                            1
     Subject: new love tabs shop . visit our llcen...
1174
     Subject: paypal account review r dear valuedp...
1175
     Subject: your membership community charset = i...
                                                            1
1176
     Subject: still paying too much for life insura...
                                                            1
1177
     Subject: cheap oem soft shipping worldwide do...
                                                            1
1178
     Subject: stock 2 watch pop 3 media corp ( pop...
1179
     Subject: the reason to sh . op in our zone ? f...
                                                            1
1180
     Subject: call for papers : the international j...
1181
     Subject: business intent dear sir , i am sta...
1182
     Subject: 6 . 50 % annuity w / 4 . 05 % lifetim...
1183
     Subject: online notification : your money is r...
                                                            1
     Subject: - - > direct marketing will increase ...
1184
                                                            1
     Subject: live 20 years longer with hgh hello ...
1185
                                                            1
1186
     Subject: professional logo for you now workin...
                                                            1
1187
     Subject: partnership for raising awareness he...
1188
     Subject: " content - type : text / plain ; ch...
1189
     Subject: greetings from u . a . e hello my de...
1190
     Subject: perfect logo charset = koi 8 - r " > ...
                                                            1
1191
     Subject: i was on your xango web site hello x...
                                                            1
1192
     Subject: get the best rate on a home loan! i...
                                                            1
     Subject: what is emc stock to cash ? your cli...
1193
                                                            1
1194
     Subject: are you listed in major search engine...
1195
     Subject: deal with your medication now hello ...
1196
     Subject: ! gorgeous , custom websites - $ 399 ...
1197
      Subject: secretly record all internet activity...
1198
     Subject: all graphics software available, che...
1199
     Subject: 6 steps to a no fear portfolio - 50 %...
                                                            1
1200
     Subject: unbelievable new homes for the usa ! ...
                                                            1
1201
     Subject: best mortgage rate vjd with regards ...
                                                            1
1202
      Subject: localized software, all languages av...
1203
     Subject: national charity suffering since 9 / ...
1204
     Subject: better sex ! better relationship ! a...
                                                            1
1205
     Subject: earn high commissions for booking onl...
                                                            1
1206
     Subject: all graphics software available , che...
                                                            1
1207
     Subject: business partnership ( urgent / confi...
                                                            1
```

```
1208
     Subject: 100 % free hardcore megasite!! 100...
1209
     Subject: refinance or mortgagefkzqeljhyno wha...
                                                            1
1210
     Subject: best prizes of online cigarettes here...
                                                            1
1211
     Subject: you can gain from lowest interest rat...
                                                            1
1212
     Subject: your june stats it 's absolutely tr...
1213
     Subject: [ ilug ] wilson kamela attn : sir / ...
     Subject: some of the largest membership sites ...
1215
     Subject: mail delivery failed: returning mess...
1216
     Subject: rreally works very good hello, welc...
1217
     Subject: glad i madde the move hello , welcom...
     Subject: a quick, cheap and convenient way to...
1218
1219
     Subject: do you smoke ? qrklx lookln 4 afford...
1220
     Subject: logo, corporate identity and website...
1221
      Subject: well , trry it hello , welcome to ph...
1222
     Subject: luv our rolexes for the same fea - tu...
1223
     Subject: we are need you tjuz s cif mercy adv...
                                                            1
1224
     Subject: healthy reproductive life our custom...
                                                            1
     Subject: important announcement : your applica...
1225
                                                            1
1226
     Subject: save your money by getting an oem sof...
1227
      Subject: you will receive the best prices avai...
                                                            1
1228
     Subject: otc gdvi - the momentum continues - g...
1229
     Subject: information request received we are ...
1230
     Subject: major stock play amnis systems, inc...
1231
     Subject: horny? . . stop paying for porn - 12...
                                                            1
     Subject: save your money buy getting this thin...
1232
1233
     Subject: manage your diabetes effortlessly wit...
1234
     Subject: want to make women adore you? click ...
                                                            1
1235
     Subject: the technews - bulletin , july 2005 ...
1236
     Subject: logo , stationer , website design and...
1237
     Subject: greatly improve your stamina my girl...
1238
     Subject: it 's just too small hloy a man end...
                                                            1
1239
      Subject: roletes e roldanas para empilhadeiras...
                                                            1
1240
     Subject: mega nneed offr hello, welcome to p...
                                                            1
1241
     Subject: get the software you need , now ! sa...
                                                            1
1242
     Subject: save your money buy getting this thin...
1243
     Subject: viagra online now levitra is in the ...
     Subject: you don _ t know how to get into sear ...
1245
     Subject: peace tree designs : creating extraor...
1246
     Subject: new impotence drug that treats male e...
1247
     Subject: buy cialis online ! get control of yo...
1248
     Subject: increases cardiac output and athletic...
                                                            1
1249
     Subject: now you can diversify the acts in you...
1250
      Subject: re : good day , everybody will love...
1251
     Subject: 300 million business charset = window...
1252
     Subject: mix , rip and burn like a pro . downl...
     Subject: claim a free $25 \text{ kmart (r)} gift ca...
1253
1254
     Subject: [ ilug - social ] lose 22 . 5 lbs in ...
                                                            1
1255
     Subject: re : my pic hi sweetie , come see m...
                                                            1
```

```
1256
     Subject: delivery status notification (failur...
1257
      Subject: the best investments otc newsletter...
                                                            1
1258
     Subject: achieve stronger and harder erections...
                                                            1
      Subject: upside only treasury - linked annuity...
1259
                                                            1
1260
      Subject: save your money buy getting this thin...
1261
      Subject: picks from analyst with high - level ...
     Subject: what happend in your home ? ? ? spy ...
1263
     Subject: * free real estate info ! * great ne...
1264
     Subject: urgent reply needed from : mr . usma...
                                                            1
1265
     Subject: got a mortgage ? 6 . 25 30 yr fixed f...
                                                            1
1266
     Subject: look ! y o u are a w i n n e r here !...
1267
      Subject: underpriced issue with high return on...
1268
     Subject: perfect logo charset = koi 8 - r " > ...
                                                            1
1269
     Subject: urgent paypal security notification ...
1270
     Subject: your logo and visual identity from us...
1271
     Subject: almost - guaranteed issue term almos...
                                                            1
1272
     Subject: important : verify your account secu...
                                                            1
     Subject: localized software , all languages av...
1273
                                                            1
1274
     Subject: esecure online pharmacies cialis off...
                                                            1
1275
     Subject: post jobs fast and get results fast ...
                                                            1
1276
     Subject: professionally - designed logos and i...
1277
     Subject: all graphics software available, che...
1278
     Subject: your online sales are low because you...
1279
     Subject: better sex ! better relationship ! t...
                                                            1
1280
     Subject: delivery status notification (failur...
                                                            1
1281
     Subject: re : super charge your desktop or lap...
                                                            1
1282
     Subject: secretly record all internet activity...
                                                            1
1283
     Subject: $ 14 . 95 per year domain names affo...
1284
     Subject: failure notice hi . this is the qmai...
1285
     Subject: first - level designers available for...
1286
     Subject: your online sales are low because you...
                                                            1
1287
      Subject: how to soak her in cum " my girlfrie...
                                                            1
1288
     Subject: all graphics software available, che...
                                                            1
1289
     Subject: lowest mortgage loan rates vkp comme...
                                                            1
     Subject: winning notification !!!!!!...
1290
1291
      Subject: de la part des enfants ama rue des m...
     Subject: financial freedom dear friend, how...
1293
     Subject: have skin like a model we 'll give...
                                                            1
1294
     Subject: new penis enlargement patches ! new ...
                                                            1
1295
     Subject: get big money at this casino site cl...
                                                            1
     Subject: localized software, all languages av...
1296
                                                            1
1297
      Subject: ebay notice - your ebay account has b...
                                                            1
1298
      Subject: cc prevents diesel fuel gelling 3750 ...
1299
     Subject: tetm : 22 , interest : 3 . 55 % ha h...
1300
     Subject: medzz for your life how to save on y...
                                                            1
1301
     Subject: younger and healthier with ultimate -...
                                                            1
1302
     Subject: mail delivery failed : returning mess...
                                                            1
1303
     Subject: clear benefits of creative design lt...
                                                            1
```

```
1304
     Subject: mail delivery failed: returning mess...
1305
     Subject: http://ira.abramov.org hello...
                                                           1
1306
     Subject: graphic design from logos to websites...
                                                           1
      Subject: wish i ' dd tried sooner how to save...
1307
                                                           1
1308
     Subject: clear benefits of creative design lt...
      Subject: save your money by getting an oem sof...
1309
     Subject: http://www.efi.ie hi i visi...
1311
     Subject: localized software, all languages av...
1312 Subject: i never sent you this - keep it hush ...
                                                           1
1313
     Subject: can people find your web site ? expe...
                                                           1
     Subject: have you checked the latest - weekly ...
1314
1315
     Subject: failure notice hi . this is the qmai...
1316
     Subject: clear benefits of creative design lt...
                                                           1
     Subject: an invitation from lisa @ freightmart...
1318
     Subject: holidays are coming ? help wanted . ...
1319
     Subject: we focus on oem and retail box for mi...
                                                           1
1320
     Subject: fyi barclays bank plc 63 st . mary ...
                                                           1
1321
     Subject: visual identity and logo now working...
                                                           1
1322
     Subject: domain names now only $ 14 . 95 publ...
1323
     Subject: pleasure your women - size does matte...
                                                           1
1324
     Subject: viagra helps you have great sex ! ha...
1325
     Subject: come on ! it 's fun and easy !! * ...
1326
     Subject: all graphics software available, che...
1327
     Subject: over 80 % savings on all best - selli...
                                                           1
     Subject: all graphics software available, che...
1328
                                                           1
1329
     Subject: urgent !! i have a question about yo...
                                                           1
1330
     Subject: in the heart of your business! corp...
                                                           1
1331
     Subject: re: for immediate release cal - b...
1332
     Subject: adv : direct email blaster , email ad...
1333
     Subject: branded softs http://p's.mai...
1334
     Subject: are you ready to get it? hello! v...
                                                           1
1335
     Subject: auto protection protect yourself . ...
                                                           1
1336
     Subject: breaking news : e - mail margin - bot...
                                                           1
     Subject: qp - they cum into teens eyes - cr t...
1337
                                                           1
1338
     Subject: largest collection of porn mo \ / ies...
1339
     Subject: failure notice hi . this is the qmai...
     Subject: save your money buy getting this thin...
1341
     Subject: online tv deals 312 internet exclus...
1342
     Subject: in the heart of your business! corp...
1343
     Subject: capital hill gold - chgi - potential ...
                                                           1
     Subject: localized software , all languages av… \,
1344
                                                           1
     Subject: you want some outright sex - don ' t ...
1345
                                                           1
     Subject: no pills , no pumps - its the patch \ \dots
1346
1347
     Subject: update information - verification req...
1348
     Subject: hilarious prank call service please ...
                                                           1
1349
     Subject: there hello visioson @ hpp . za . ne...
                                                           1
1350
     Subject: re : wall street micro news report h...
                                                           1
     Subject: more medz how to save dhurry on your...
1351
                                                           1
```

```
Subject: rape ! ! . rape sex ! click here y...
1352
1353
     Subject: free sizzling ltc sales materials lt...
                                                           1
1354
     Subject: cash: $ 48463 dear homeowner, you ...
                                                           1
     Subject: = ? gb 2312 ? q ? want _ to _ establi...
1355
                                                           1
1356
     Subject: strictly private . gooday , with wa...
1357
      Subject: all graphics software available, che...
     Subject: important 42745 start your own adul...
1359
     Subject: the government grants you $ 25,000 ...
1360
     Subject: aawesome want to know how to save ov...
                                                           1
1361
     Subject: avoid fake viagra get the real thing ...
                                                           1
     Subject: perfect logo charset = koi 8 - r " > ...
1362
1363
     Subject: are you ready to get it? hello! v...
1364
     Subject: would you like a $ 250 gas card? do...
                                                           1
     Subject: immediate reply needed dear sir , i...
1366
     Subject: wanna see me get fisted ? fist bang...
1367
     Subject: hot stock info : drgv announces anoth...
                                                           1
1368
     Subject: hello guys , i ' m " bugging you " f...
     Subject: sacramento weather station fyi - - ...
                                                           0
1369
     Subject: from the enron india newsdesk - jan 1...
1370
                                                           0
1371
     Subject: re : powerisk 2001 - your invitation ...
                                                           0
1372
     Subject: re : resco database and customer capt...
1373
     Subject: ben zhang any suggestions ? - g - ...
1374
     Subject: manoj gupta - interview schedule att...
1375
     Subject: re : hello from vince kaminski at enr...
                                                           0
     Subject: candlestick charts fyi fallout - - ...
                                                           0
1376
1377
     Subject: faculty information sheet mr . kamin...
                                                           0
1378
     Subject: re : interview schedule change for br...
                                                           0
1379
     Subject: re: bei enron gordian kemen on 03 /...
1380
     Subject: from the enron india newsdesk - april...
1381
     Subject: tuesday morning meeting first thing ?...
1382
     Subject: re: transition to research group - a...
1383
     Subject: status stinson, as you requested, ...
                                                           0
1384
     Subject: re : garp credit derivatives discussi...
                                                           0
     Subject: trading limit and policy changes vin...
                                                           0
1385
1386
     Subject: it purchasing process as you all may...
1387
      Subject: alliance ferc alert - regional market...
1388
     Subject: t . v . we are in need of a 9 inch t...
1389
     Subject: ljm update vince / stinson : i just...
1390
     Subject: visiting enron may 4 th dear vince ,...
1391
     Subject: re : update / event time change this...
                                                           0
                                                           0
1392
     Subject: re : a / a program question gwyn : ...
     Subject: dec 2 super saturday friday and satur...
1393
                                                           0
     Subject: re : creditdotcom projects amitava ,...
                                                           0
1394
1395
     Subject: re : energy finance conference partic...
1396
     Subject: re : london status report - research ...
1397
      Subject: re : my resume we 'll get this offe...
1398
     Subject: fw : california electricity crisis : ...
                                                           0
1399
     Subject: re : fw : parent - subsidary model h...
                                                           0
```

```
Subject: request for historical curve informat...
1400
1401
     Subject: re : software license oh , ok , i di...
1402
     Subject: re : visit to enron nick , the airp...
                                                          0
1403
     Subject: organisational change as a continuat...
                                                          0
1404
     Subject: re : here it goes ! steve , taking ...
                                                          0
     Subject: re : resume thanks , vince - - vinc...
1405
                                                          0
     Subject: class proposal by yannis hi vince, ...
1407
     Subject: re: wharton tiger team # 3 melinda ...
1408
     Subject: school teaching hello vince,
1409
     Subject: entouch newsletter business highligh...
                                                          0
1410
     Subject: re : hi thank you very much , vince ...
                                                          0
1411
     Subject: investment to all whom it may concer...
1412
     Subject: re : spring 2001 conference participa...
                                                          0
     Subject: electricity conference update here i...
     Subject: eol presentation thank you for meeti...
1414
1415
     Subject: software license vince ( ii ) d - g ...
1416
     Subject: azuix deal valuation bob , please f...
                                                          0
     Subject: day off tuesday stinson, i would 1...
                                                          0
1417
1418
     Subject: meeting with riskcare to discuss join...
                                                          0
1419
     Subject: re : rabi de anything we can do ?
                                                          0
1420
     Subject: ees retail risk meeting 1 / 31 this ...
1421
     Subject: henwood team folks, i have been a ...
1422
     Subject: re : summer internship position hi v...
1423
     Subject: vince, i am writing about a student...
                                                          0
1424
     Subject: re : gordon , it was a pleasure tal...
                                                          0
1425
     Subject: folks , attached is a conservative (...
                                                          0
1426
     Subject: wharton partnership jeff, i am sen...
                                                          0
1427
     Subject: re : informs national conference at s...
     Subject: re : a personal favor anurag , i sh...
1428
1429
     Subject: rac organization changes the continu...
1430
     Subject: " we are one @ enron . com ! " : fina...
1431
     Subject: re : summer internship martin pleas...
                                                          0
1432
     Subject: continuation of spanish classes roy ...
                                                          0
     Subject: petrochem desk vasant, it seems we...
                                                          0
1433
1434
     Subject: fw : mscf speaker series - november 3...
1435
     Subject: asking for advice regarding summer as...
1436
     Subject: eprm article hi vince, ? as alway...
1437
     Subject: re : term papers please respond to h...
1438
     Subject: joao neves vince, i wanted to foll...
1439
     Subject: re : var let 's meet at 4 : 00 . v...
                                                          0
1440
     Subject: re : alex 's paper comments : 1 . ...
                                                          0
1441
     Subject: re : urgent deadline : rsvp by jan 22...
1442
     Subject: lng var limit request form vince, ...
                                                          0
1443
     Subject: dale nesbitt greg , dale nesbitt is...
1444
     Subject: re : alp presentation christie , gr...
1445
     Subject: re : video conference with ross mcint...
1446
     Subject: softs in london vince, with regard...
                                                          0
1447
     Subject: re: vacation shirley, no problem ...
```

```
Subject: computer recently a new person moved...
1448
1449
     Subject: re : aluminium asian digital options ...
                                                           0
1450
     Subject: phil roan phil roan of koch 's weat...
                                                           0
     Subject: e - commerce seminar 3 / 22 hi donna...
1451
                                                           0
1452
     Subject: telephone interview with ming sit th...
     Subject: re : resume marshall , we shall cal...
1453
                                                           0
     Subject: re: test thanks, vince. we have r...
1455
     Subject: security request for adding a timekee...
1456
     Subject: indication dates for sharad 's visit...
1457
     Subject: dear ms . feldman , please find encl...
                                                           0
1458
     Subject: uk rpi model hi zimin! please find...
                                                           0
1459
     Subject: re: american express charges hi sam...
1460
                                                           0
     Subject: ena analysts and associates i have j...
     Subject: fyi " how much do firms hedge with d...
1462
     Subject: visa status i want to keep you infor...
1463
     Subject: re : possible rtp conference dear pr...
1464
     Subject: re : fwd curves thx i understand and...
     Subject: your visit with vince kaminski - enro...
1465
     Subject: our mtg stinson, vince and vasant -...
1466
1467
     Subject: re : uc - berkeley graduate student ...
                                                           0
1468
     Subject: amr research preview information vin...
1469
     Subject: elena chilkina please fill - out the ...
1470
     Subject: re : progress steve , thanks a lot ...
     Subject: re : request vince , i ' m glad you...
1471
1472
     Subject: meeting with bob butts this is sched...
                                                           0
1473
     Subject: associate / analyst super saturday pa...
                                                           0
     Subject: braveheart fyi . . . - - - - - ...
1474
                                                           0
1475
     Subject: re : site license for power world i ...
1476
     Subject: benchmarking questionnaires david, ...
1477
     Subject: enron alp dear alp company represent...
1478
     Subject: enron open positions dear mr . kamin...
1479
     Subject: re : next visit to houston george , ...
1480
     Subject: re : hello team ken : we are very e...
                                                           0
     Subject: videoconferencing picture clears up ...
                                                           0
1481
1482
     Subject: re : fw : eprm article thank you ver...
1483
     Subject: re : re : software license stinson ,...
1484
     Subject: venue change - very important ! ! un...
1485
     Subject: model effort in houston christian, ...
1486
     Subject: department presentation, friday 7 th...
     Subject: fw : eprm - - - - original message...
1487
                                                           0
     Subject: re : lng may 19 decision john , sor...
                                                           0
1488
1489
     Subject: exmar purchase decision fyi - - - - ...
1490
     Subject: re : fax machine request ~ 05 - 19 - ...
                                                           0
1491
     Subject: re : all best wishes for 2001 geoff ...
     Subject: dinner thur . evening ? vince , gre...
1492
1493
     Subject: re : visit to houston - - - - - ...
1494
     Subject: re : prc feedback forms gina , i sh...
                                                           0
1495
     Subject: real options for mothballed plant i ...
```

```
1496
     Subject: entouch newsletter business highligh...
1497
     Subject: michael sergeev 's rotation hi mike...
1498
     Subject: merit and equity increases norma, ...
                                                           0
      Subject: re : thank you vince j kaminski @ e...
1499
                                                           0
1500
     Subject: hello all update: preparations for...
                                                           0
1501
      Subject: re: ganapathy ramesh rick, the it...
                                                           0
     Subject: re : enron open positions maruti , ...
1503
     Subject: meeting to discuss presentation mater...
1504
     Subject: re: rotation information martin, i...
1505
     Subject: request submitted : access request fo...
                                                           0
     Subject: re : lacima energy and weather deriva...
                                                           0
1506
1507
     Subject: re : starting date : jan 8 th , 2001 ...
1508
                                                           0
     Subject: re: enron weather research good aft...
1509
     Subject: re : message from samer takriti same...
1510
     Subject: mit student 's thesis writeups hi v...
1511
     Subject: resume of phil roan , koch weather de...
1512
     Subject: year end 2000 performance feedback n...
                                                           0
                                                           0
1513
     Subject: re : resume of carla di castro vince...
1514
     Subject: acceptance of offer sir , i have de...
1515
     Subject: re: lunch with it and credit tanya ...
                                                           0
     Subject: zero curve generator for uk gilts an...
1517
     Subject: re : nick bambos sounds great . let ...
     Subject: stephen bennett vince, for your use...
1519
     Subject: re : other matters kate wagner is se...
                                                           0
1520
     Subject: re : pending approval for ibuyit requ...
                                                           0
     Subject: re : punit rawal 's interview with e...
1521
                                                           0
     Subject: re: real options thanks vince. pau...
1522
                                                           0
1523
     Subject: re : mit / aa lab - next meeting amy...
1524
     Subject: ibuyit form attached please find the...
1525
     Subject: re : confirm participation at real op...
1526
     Subject: o : \ research \ exotica access our ...
1527
      Subject: re : fax machine request ~ 05 - 19 - ...
1528
     Subject: quantitative position vince we happ...
1529
     Subject: seeking opportunity in computational ...
                                                           0
1530
     Subject: re : grant masson great news . lets ...
1531
     Subject: enron : wefa luncheon may 1 martin :...
1532
     Subject: schedule and more . . dr . kaminski ...
1533
     Subject: re : iris mack molly , this is the ...
1534
     Subject: a friend of mine shirley, please, ...
1535
     Subject: reactions password reminder = = = = ...
                                                           0
     Subject: 11 visa - anshuman shrivastava anshu...
                                                           0
1536
     Subject: re : new powermod 97 . xls marty : ...
1537
                                                           0
1538
     Subject: re : book order thanks vince ! ? w...
                                                           0
1539
     Subject: memo information on grains and sugar...
1540
     Subject: final project deadline is april 30 d...
1541
     Subject: meeting regarding " gary hickerson tr...
1542
     Subject: interview with the enron corp . resea...
                                                           0
     Subject: re : fwd : happy st . patricks day j...
1543
```

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Subject: re : interview elizabeth , yes , ma...
1544
1545
     Subject: re : alp presentation vince , thank...
1546
     Subject: re : final pivot table for mg metals ...
                                                           0
      Subject: interview schedule for jinbaek kim i...
1547
                                                           0
1548
     Subject: bob lee starting june 5, 2000 bob 1...
                                                           0
     Subject: ljm put valuation wes : attached is...
1549
                                                           0
     Subject: re : eol phase 2 michael , please ,...
1551
     Subject: re : implementing term - structure of...
1552
     Subject: best picks hey, best picks are zig...
1553
     Subject: re : summer internships at enron vin...
                                                           0
     Subject: re: thanks vince . . . jeff vince ...
1554
                                                           0
1555
     Subject: professor bambos ' itinerary hello a...
     Subject: paper hi mr . kaminski , thank you \dots
1556
                                                           0
     Subject: re : dr . michelle foss - energy inst...
1558
     Subject: wharton tiger team vince and kristin...
     Subject: re : summer internship jinbaek ,
1559
1560
     Subject: re : rent r / c updates - 19 th floor...
                                                           0
     Subject: re : marketpoint license agreement
                                                           0
1561
     Subject: california update 3 / 15 / 01 execut...
                                                           0
1562
1563
     Subject: spanish power option pricing hi paul...
                                                           0
     Subject: light switch for eb 1939 good mornin...
     Subject: project richard, i would like to i...
1565
1566
     Subject: ena year end promotions nominations ...
     Subject: seismic data via satellite i have at...
1567
                                                           0
     Subject: pres . to delainy sorry vince , plea...
                                                           0
1568
1569
     Subject: re : yo ! vince , here is a little ...
                                                           0
     Subject: re : hello david , another trip in ...
1570
                                                           0
1571
     Subject: latest fall 2001 module schedule and ...
1572
     Subject: re: houston research opportunity ta...
1573
     Subject: re : [ no subject ] hi vince , this...
     Subject: re : followup from iris mack hi , t...
1574
1575
     Subject: re : 11 visa - anshuman shrivastava ...
1576
     Subject: re : various market data charges to t...
                                                           0
     Subject: gas prices vince - 1 . we can detec...
                                                           0
1577
     Subject: entouch newsletter business highligh...
1578
1579
     Subject: 1 candidate and 2 interns hi vince a...
     Subject: re : eci id for stinson steve - cou...
1581
     Subject: re : telephone interview with the res...
     Subject: corrected : new update on ppi model f...
1582
1583
     Subject: re : executive program on credit risk...
                                                           0
     Subject: re : resume vince , paulo and i tal...
                                                           0
1584
1585
     Subject: re: installation of new programs i ...
1586
     Subject: re : telephone interview with the enr...
                                                           0
1587
     Subject: re : carnegie interviews super friday...
1588
     Subject: resume - jeff andrews vince,
1589
     Subject: re : telephone interview hi darlene ...
1590
     Subject: re : preface for book julie , no pr...
                                                           0
1591
     Subject: my visit dear vince, thanks for yo...
```

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1592
     Subject: re : a personal favor thanks very mu...
1593
     Subject: mark , please , check the following ...
1594
     Subject: from the enron india newsdesk - may 4...
                                                          0
     Subject: re : telephone interview with the enr...
1595
                                                          0
1596
     Subject: phone call today vince, there are ...
                                                          0
1597
     Subject: re : var and credit meeting on wednes...
                                                          0
     Subject: seminar mugs vince: our pr staff h...
1599
     Subject: dabhol power company caps vince we ...
1600
     Subject: payroll elena chilkina was not paid ...
                                                          0
1601
     Subject: eprm article hi vince, ? i 'm so...
                                                          0
     Subject: texas a & m at galveston dr . bill m...
                                                          0
1602
1603
     Subject: informs - maui hi steve : good to h...
1604
                                                          0
     Subject: background information tom , can yo...
     Subject: re : software license karla , augus...
1606
     Subject: hvince, edge effectiveness testing f...
1607
     Subject: re : jinbaek kim molly , we can pay...
                                                          0
1608
     Subject: re : impending visit vince : would ...
                                                          0
     Subject: re : report research i have responde...
1609
                                                          0
     Subject: renshi zhang 's resume fyi . pleas...
1610
                                                          0
1611
     Subject: vince / stinson , please find the tw...
                                                          0
     Subject: re : volume ii of the technical corne...
1613
     Subject: re: invitation to speak at power 200...
     Subject: re : aram ' s visit jesus , i yalke...
     1615
                                                          0
     Subject: reschedule meeting for duffie report ...
                                                          0
1616
1617
     Subject: re : enl - dailyupdate - txt please ...
                                                          0
1618
     Subject: financial engineering invoice # 2001 ...
                                                          0
1619
     Subject: personal time on tuesday , nov . 21 ,...
1620
     Subject: re : alp presentation fyi vince - ...
1621
     Subject: additional info dear vince, thanks...
     Subject: today 's project list please, use ...
1622
1623
     Subject: @ jones : news and information from t...
                                                          0
1624
     Subject: fw : energy leader consulting generat...
                                                          0
     Subject: re: publication submission question ...
1625
                                                          0
1626
     Subject: vince kaminski expense reports hi li...
     Subject: i ' ve done it . . . . vince , than...
1627
1628
     Subject: re : summer internship position cele...
1629
     Subject: trial of weathereffects web site mik...
1630
     Subject: additional resources ben and i have ...
1631
     Subject: rice / enron finance seminar series ...
                                                          0
1632
     Subject: re : exotica . xla hi anjam , thank...
                                                          0
1633
     Subject: floating lng terminal folks,
                                                          0
     Subject: spring 2001 academic calendar for the...
1634
                                                          0
1635
     Subject: hello vince, i enjoyed talking with...
1636
     Subject: re : 1997 risk paper on pricing of el...
1637
     Subject: my resume molly , we would like to ...
1638
     Subject: the garp 2001 convention dear mr kam...
                                                          0
1639
     Subject: rodrigo lamas - best wishes i would ...
```

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Subject: marketpoint business plan summary vi...
1641
     Subject: drogi vincenty . skoro ty byles na ty...
1642
     Subject: christie and vince: on behalf of en...
                                                           0
     Subject: research re - org please let me know...
1643
                                                           0
1644
     Subject: eol data mining vince, here are fo...
                                                           0
1645
     Subject: invoice for energy derivatives course...
     Subject: introducing the new iijournals online...
1647
     Subject: combinatorial auction - jan 11 mtg ba...
1648
     Subject: re : thanks from enpower you are wel...
                                                           0
1649
     Subject: vacation goodmorning, i will be ou...
                                                           0
     Subject: optical network engineering & enron r...
                                                           0
1650
1651
     Subject: re: craig, thanks for the feedbac...
1652
     Subject: wharton hi jeff! i know you receiv...
                                                           0
     Subject: request submitted: access request fo...
1654
     Subject: focus group invitation - supervisors ...
1655
     Subject: meetings next week hi guys, vince ...
                                                           0
1656
     Subject: ebs research telecom rercruiting effo...
                                                           0
      Subject: mg metals : quant analysis & risk hi...
1657
                                                           0
     Subject: hi vince ! yes , meeting for dinner ...
1658
                                                           0
1659
     Subject: power trading hi folks: very glad ...
                                                           0
1660
     Subject: re : developing my electricity model ...
1661
     Subject: re : greetings from london ( to enron...
1662
     Subject: fw : winston debbie , this is an up...
     Subject: risk article fyi . - - - - - ...
1663
                                                           0
     Subject: houston trip hello everyone ! regar...
1664
                                                           0
     Subject: re: my model for spikes dear vince ...
1665
                                                           0
     Subject: re: resume ok vince j kaminski 01...
1666
                                                           0
1667
     Subject: re : summer work . . jinbaek , this...
1668
     Subject: re : merit increases vince , i am g...
1669
     Subject: sharad agnihotri : telephone chat fol...
1670
     Subject: re : summer intern hi steve , thank...
     Subject: erequest password your erequest 's ...
1671
1672
     Subject: re : term project : dear vince , i ...
                                                           0
     Subject: xpress and cplex runtime comparison r...
1673
                                                           0
1674
     Subject: meeting with mr . sud vince / stinso...
1675
     Subject: interview with enron corp . research ...
     Subject: australian energy 2000 dear vince, ...
     Subject: new 22 cpm color copier information ...
1677
1678
     Subject: talon find attached the mc model for...
1679
     Subject: re: houston visit soussan, thanks...
                                                           0
1680
     Subject: re: real options openings? shirley...
                                                           0
     Subject: re : witaj wicku ! marek , jestem w...
1681
                                                           0
      Subject: fwd : enron / stanford program conte...
1682
                                                           0
1683
     Subject: re : vmi agreements ravi , maybe st...
1684
     Subject: re : another stanford acceptance tha...
1685
     Subject: re : tuesday interview hi vince ,
1686
     Subject: re : hi vince : i think full time e...
                                                           0
1687
     Subject: re : hello from vince kaminski at enr...
```

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Subject: re : argentina modelling michael , ...
1688
1689
     Subject: re : anita dupont resume oooopppss !...
1690
     Subject: thanks vince: thanks for the time ...
                                                           0
     Subject: phone numbers computer support : 713...
                                                           0
1691
1692
     Subject: iris m . mack ms . mack has called y...
1693
     Subject: confirmation of your order this is a ...
     Subject: thursday summer intern dinner vince ...
1695
     Subject: my first draft dear dr . kaminski t...
1696
     Subject: intranet site dear dale / all , tha...
1697
     Subject: re : eprm julie , sorry for the del...
     Subject: re : kmv visit dear mr . seyfried , ...
                                                           0
1698
1699
     Subject: re: brad romine that is fine. i lo...
1700
     Subject: lance 's telephone hi vince: lanc...
                                                           0
     Subject: the url p . s . http : / / enaresear...
1702
     Subject: template for pricing the right of fir...
     Subject: re : uc - berkeley graduate student ...
1703
1704
     Subject: yen outlook vince, as a followup t...
                                                           0
     Subject: re : fwd : praca dyplomowa v edycja m...
                                                           0
1705
1706
     Subject: fwd : hello from charles shen at will...
1707
     Subject: please keep in touch hi , just like...
                                                           0
1708
     Subject: re : off site with john griebling 's...
1709
     Subject: proposed agenda for january 11 auctio...
1710 Subject: re : erequest 3991 thanks ! vince j...
1711
     Subject: organization announcement given the ...
1712 Subject: the storage revolution has begun net...
     Subject: re : 11 visa - anshuman shrivastava ...
1713
                                                           0
     Subject: telephone interview with the research...
1714
                                                           0
1715
     Subject: yvan 's application molly, i am e...
     Subject: fw : my london " wish list " oops , ...
1716
1717
     Subject: associate & analyst prc update the p...
1718
     Subject: pricing credit on thousands of names ...
1719
     Subject: new members the following people are...
1720
     Subject: re : vacation shirley , no problem ...
                                                           0
1721
     Subject: storage book / luken 's storage mode...
                                                           0
     Subject: rice / enron finance seminar series ...
1722
1723
     Subject: re : choosing the riskfree rate dear...
     Subject: phone interview with bill anderson -...
1725
     Subject: research reporting tani - are you ha...
     Subject: chapter 3 vince and grant , ? can ...
1726
1727
     Subject: 2000 chairman 's award everyday her...
                                                           0
     Subject: re : congratulations and to yourself...
                                                           0
1728
1729
     Subject: encounter article - shalesh ganjoo a...
                                                           0
1730
     Subject: re : followup from iris mack hi agai...
                                                           0
1731
     Subject: meeting during energy expo this will...
1732
     Subject: re : interview with enron pierre phi...
1733
     Subject: re : ( no subject ) jana , next wee...
1734
     Subject: re : re : software license ms . gema...
                                                           0
1735
     Subject: p . c . we spoke about the p . c . f ...
```

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Subject: ravi 's schedule for next week proj...
1736
1737
     Subject: wti simulation presentation - the lat...
1738
     Subject: re : check julie , yes , this is ho...
                                                           0
     Subject: mid - year 2000 performance feedback ...
1739
                                                           0
1740
     Subject: organizational announcement fyi . -...
                                                           0
     Subject: matthew patteson , inventor cindy , ...
1741
                                                           0
     Subject: bi - weekly transmission update repor...
1743
     Subject: re: technical training at the housto...
1744 Subject: arthur andersen model validation requ...
                                                           0
1745
     Subject: visiting enron may 4 th christie, ...
                                                           0
     Subject: re : your visit with vince kaminski -...
1746
                                                           0
1747
     Subject: re : exotica ( second request ) plea...
                                                           0
     Subject: re : resume hi , mr . kaminski : ho...
1748
                                                           0
     Subject: term paper dr . kaminski , attached...
1750
     Subject: re : bruno repetto interview with enr...
     Subject: vince kaminski bullet points * defin...
1751
1752
     Subject: zingales seminar fyi! ---- ...
                                                           0
     Subject: pjml 01: the basics - january 16, 2...
                                                           0
1753
1754
     Subject: re : subscription renewals susan : ...
                                                           0
1755
     Subject: weekly meetings maureen, this is t...
                                                           0
     Subject: re : anshuman neil , you must have ...
1757
     Subject: henwood license karla: please info...
1758
     Subject: temporary internet access for 5 rice ...
     Subject: re : request submitted : access reque...
1759
                                                           0
1760
     Subject: re : new business h , lyette , i am...
                                                           0
     Subject: internal var / credit candidate : ami...
1761
                                                           0
     Subject: thomas knudsen : interviews cancelled...
                                                           0
1762
     Subject: re : risk report on " guide to electr...
1763
1764
     Subject: re: publication submission question ...
1765
     Subject: maddox vince, here is michael madd...
     Subject: congratulations ! vince , congratul...
1766
1767
     Subject: re : lap - top kevin : tricia asked...
1768
     Subject: new listing goodmorning everyone, ...
     Subject: first derivatives class bob,
                                                           0
1769
                                               i hav...
1770
     Subject: lunch conversation vince, we wante...
     Subject: re : confidential yannis , yes , ve...
1771
1772 Subject: interview schedule for shen (charles...
1773
     Subject: re : telephone interview with the enr...
     Subject: independent variables for ene regress...
1774
1775
     Subject: esai gas / power alert on impact of g...
                                                           0
     Subject: re : hello from vince kaminski at enr...
                                                           0
1776
1777
     Subject: re : london visit paul , i shall be...
                                                           0
1778
     Subject: re : thanks vince . i 'll make the ...
                                                           0
1779
     Subject: var for enroncredit . com rick and t...
1780
     Subject: announcing tff 2000 happy new year !...
1781
     Subject: dear vince, bardzo dziekuje za pode...
1782
     Subject: re : times 2 filing units rachel , c...
                                                           0
1783
     Subject: re: interest in a position alison,...
```

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Subject: mid - project review date - enron en...
1784
1785
     Subject: password security notice for passwor...
                                                          0
1786
     Subject: performance at this point, monday d...
                                                          0
     Subject: re : fw : enron credit model docs for ...
1787
                                                          0
1788
     Subject: schedule vince, my schedule for th...
                                                          0
     Subject: re : vince . . . feedback from howard...
1789
                                                          0
     Subject: ceraweek 2000 update! dear ceraweek...
1791
     Subject: re : contact info glenn , please , ...
1792 Subject: re: congratulations thanks vince an...
1793
     Subject: energy leader consulting generation e...
                                                          0
1794
     Subject: thanks vince ok vince . alec at rw ...
                                                          0
1795
     Subject: re: mit offers karen, the total o...
1796
     Subject: reviewer approval please note that y...
                                                          0
     Subject: now visible red to: mike a roberts ...
1798
     Subject: visiting enron may 4 th vince ( and ...
1799
     Subject: re: potential prospect tom, we ar...
                                                          0
1800
     Subject: rdi project michelle, cecil and da...
                                                          0
     Subject: departure of grant masson the resear...
                                                          0
1801
     Subject: london update vince, more fuel for...
1802
1803
     Subject: transition to research group - an upd...
                                                          0
1804
     Subject: term paper stuart, i cannot open y...
1805
     Subject: re: opportunities lloyd, yes, i ...
1806
     Subject: avistar users and allocated charges ...
1807
     Subject: weather article has been approved - -...
                                                          0
     Subject: re : i 'll check my billing ! thank...
                                                          0
1808
1809
     Subject: re: dear navroz thanks for getting...
                                                          0
     Subject: re : interview with enron corp . rese...
1810
                                                          0
1811
     Subject: maddox vince, here is michael madd...
     Subject: re : scifinance curt , thanks very ...
1812
1813
     Subject: re : good morning john , i shall se...
1814
     Subject: mgmt 656 here are your latest roster...
1815
     Subject: chonawee supatgiat / corp / enron is ...
                                                          0
1816
     Subject: kudos congratulations on your promot...
                                                          0
     Subject: dr . kaminski : ? you probably won ...
                                                          0
1817
1818
     Subject: request submitted: access request fo...
1819
     Subject: ameriflash newsletter michell vitrel...
     Subject: interview with the enron research gro...
1821
     Subject: vince kaminski 's bio hello amy : ...
1822
     Subject: my students dear vincent, i spoke ...
1823
     Subject: re : greetings carlos , vince kamin...
                                                          0
     Subject: re : liz demers research seminar mar...
                                                          0
1824
     Subject: re : [fwd : stanford meeting] vinc...
1825
                                                          0
     Subject: super saturday iv results ! good aft...
1826
                                                          0
1827
     Subject: re : var for enroncredit . com vince...
1828
     Subject: re : term project : brian , no prob...
1829
     Subject: resume for chris pernoud molly,
1830
     Subject: update vince, a quick update on jo...
                                                          0
1831
     Subject: re : 12 / 17 churn - - eb 29 to ebl 9...
```

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Subject: customer profiling meeting - amendmen...
1832
1833
     Subject: gt symposium on qcf , april 7 please...
                                                           0
1834
     Subject: request submitted: access request fo...
                                                           0
     Subject: hello dear vince, i just wanted to...
                                                           0
1835
1836
     Subject: i wanted to give you some feedback . ...
                                                           0
      Subject: re : fw : stanford or - summer intern...
1837
                                                           0
     Subject: auctions with an incumbent 's right ...
1839
     Subject: re : next step al , i have spoken w...
1840
     Subject: re : london contact number hi anita ...
                                                           0
1841
     Subject: panel session at 2001 pes summer meet...
                                                           0
     Subject: houston trip vasant, so sorry for ...
1842
                                                           0
1843
     Subject: re: research dept contact please co...
                                                           0
1844
     Subject: got book and papers , thanks ! the f...
                                                           0
     Subject: re : interviews marshall , sorry fo...
1846
     Subject: authorization robert , please find ...
1847
     Subject: summer opportunity vince: i did ge...
                                                           0
1848
     Subject: request submitted : access request fo...
                                                           0
     Subject: re : enron cover letter & resume for ...
                                                           0
1849
1850
     Subject: re : summer internship vince , we h...
1851
     Subject: journal of applied corporate finance ...
                                                           0
1852
     Subject: follow - up on captive generation vi...
1853
     Subject: re: powerisk 2000 followup in re wea...
1854
     Subject: re : support for exotica steve , i ...
1855
     Subject: re : a / a program question vince , ...
                                                           0
     Subject: schedule for nick as far as i know ,...
                                                           0
1856
1857
     Subject: site license for power world gentlem...
                                                           0
     Subject: inquery re : aluminium companies vin...
                                                           0
1858
1859
     Subject: re : job posting hi vince , this po...
1860
     Subject: important united way reminder remind...
1861
     Subject: li sun i ' ve asked vince to get inv...
     Subject: holiday invitation please click on t...
1862
1863
     Subject: control and echelon very interesting...
1864
     Subject: seminar mugs vince: can your secre...
                                                           0
     Subject: re : economic espionage act presentat...
                                                           0
1865
1866
     Subject: re : recruiting at carnegie - mellon ...
      Subject: re: meeting on feb 8, 2001 david ...
1867
1868
     Subject: completion of lng model review jeff ...
1869
     Subject: meeting requested hi mr . kaminski ,...
     Subject: alliance info alert - ferc reporting ...
1870
1871
     Subject: restricted stock deferral opportunity...
                                                           0
     Subject: fw : fw : question about ernie vince...
                                                           0
1872
     Subject: re : conversation w / andersen vince...
1873
                                                           0
1874
     Subject: uc - berkeley graduate student
                                                           0
1875
     Subject: christmas baskets kevin: please ad...
1876
     Subject: re : your visit to sydney in july pa...
1877
     Subject: re : enron site / mepr 2 fyi , my m...
1878
     Subject: vince: i was in the power modeling ...
                                                           0
1879
     Subject: ibuyit form attached please find the...
```

```
1880
     Subject: informal exploratory interview with e...
1881
     Subject: research allocations to egm hi becky...
1882
     Subject: re : cheers vince see you there . ...
                                                           0
     Subject: re : clewlow / strickland derivatives...
1883
                                                           0
1884
      Subject: re : spring 2001 schematic mr . kami...
1885
      Subject: another bet vince i here you are ru...
                                                           0
     Subject: re : associate / analyst super saturd...
1887
      Subject: hiring of wharton tiger teams members...
1888
     Subject: associate / analyst super saturday pa...
1889
     Subject: ees operational risk per our convers...
                                                           0
     Subject: rice program in financial engineering...
                                                           0
1890
1891
     Subject: storage model back - testing brad , ...
1892
     Subject: california 1 / 17 / 01 pt . ii one o...
                                                           0
     Subject: move locations sorry, the churn ha...
1894
     Subject: website : data _ research _ pub plea...
1895
     Subject: re : jeff skilling 's presentation ...
1896
     Subject: amerada hess day rate hedge numbers ...
                                                           0
      Subject: your talk on 2 / 7 / 00 (monday) (...
                                                           0
1897
     Subject: resumes charlene, i am sending you...
                                                           0
1898
1899
     Subject: re : eol clayton , great news . i w...
                                                           0
     Subject: re : pending approval for ibuyit requ...
1900
1901
     Subject: re : shan , it 's nice to hear fro...
1902
     Subject: exploratory interview for grant masso...
1903
     Subject: re: wicek, wyslalem ci nasza ksia...
     Subject: updated credit support model latest ...
1904
1905
     Subject: visit by professor shijie deng on fri...
                                                           0
1906
     Subject: new position ( sam smith ) norma ,
                                                           0
1907
     Subject: re : follow - up on siam workshop th...
1908
     Subject: re : from a previous summer intern d...
1909
     Subject: re : weekly international econ review...
1910
     Subject: iafe membership a membership renewal...
1911
     Subject: re : london , new york , houston , fi...
1912
     Subject: mscf speaker series mscf speaker ser...
                                                           0
1913
     Subject: london status report - research weath...
                                                           0
1914
     Subject: re : green card norma : you are corr...
1915
     Subject: hi amitava , as we discussed this mo...
     Subject: workshop dear vince, i would be de...
1917
     Subject: follow up to last week vince - appre...
1918
     Subject: post visit - enron vince and christi...
1919
     Subject: re : a visit dear mr . fujita : tha...
                                                           0
1920
                                                           0
     Subject: approval for reviewer shanbhogue, v...
1921
     Subject: mid - year 2000 performance feedback ...
1922
                                                           0
     Subject: a visit professor vincent kaminski ...
1923
     Subject: rice / enron finance seminar series ...
1924
     Subject: hedging vince: the attached articl...
1925
     Subject: re : lsu visit ( resume ) datren , ...
1926
     Subject: re : energy derivative courses fyi ...
                                                           0
1927
     Subject: re : status steve , welcome back . ...
```

```
1928
     Subject: re: dash request david, thanks . ...
1929
     Subject: luncheon at cera roundtable in housto...
     Subject: re : risk report on " guide to electr...
1930
                                                          0
     Subject: sevile norma , i would like to proc...
1931
                                                          0
1932
     Subject: re: good morning that 's great . ...
                                                          0
     Subject: re: thank you dr. kaminski, i ca...
1933
                                                          0
     Subject: re: 2001 headcount information dawn...
1935
     Subject: congratulations ! vince - nice job ...
1936
     Subject: financial mathematics grad from u of ...
1937
     Subject: re: congratulations right back at y...
                                                          0
     Subject: re : storage meeting ladies and gent...
                                                          0
1938
1939
     Subject: schedule vince, my schedule for th...
1940
     Subject: re : kwi user group vince yes pleas...
                                                          0
     Subject: institute of international finance - ...
1942
     Subject: points for singh meet vince, pleas...
1943
     Subject: thank you for power 2000 hi vince j...
1944
     Subject: access to research project tracking d...
                                                          0
     Subject: lng meeting vince, before i contac...
                                                          0
1945
1946
     Subject: re : chapter 3 revisions dear vince ...
1947
     Subject: it security and standards notice inf...
                                                          0
1948
     Subject: california update 3 / 16 / 01 ? a so...
1949
     Subject: howard & lawrence for vince hey vinc...
1950
     Subject: re : the package - - - - - - - ...
1951
     Subject: improved process for engaging tempora...
                                                          0
     Subject: organizational changes given the evo...
1952
                                                          0
1953
     Subject: re : enl - dailyupdate - txt you hav...
                                                          0
     Subject: credit exposure model bill, attach...
1954
                                                          0
1955
     Subject: conference on risk management : the s...
1956
     Subject: a resume john , this is a resume i ...
1957
     Subject: mgmt 656 (rice university) here ar...
1958
     Subject: re: stressing correlations hi, eve...
                                                          0
1959
     Subject: vega v @ r , credit reserve model upd...
                                                          0
1960
     Subject: re: invitation to my house tony, ...
                                                          0
     Subject: telephone interview with the houston ...
                                                          0
1961
1962
     Subject: enron / globe dear drs . roberts and...
1963
     Subject: re : schedule and more . . jinbaek ,...
1964
     Subject: interview & mike / christian dear vi...
1965
     Subject: re : avistar systems - - - - - - ...
1966
     Subject: re : m lay response al , thanks for ...
1967
     Subject: re: wharton tiger team # 3 i have r...
                                                          0
1968
     Subject: re : meeting sorry for the reschedul...
                                                          0
     Subject: cvs of candidates for rac support rol...
1969
1970
     Subject: re : double - up swap thanks thor ...
                                                          0
1971
     Subject: re : hello hello , i just received ...
1972
     Subject: re : thursday night 's dinner (and ...
1973
     Subject: re : latest revision vince , i got ...
1974
     Subject: capm and cost of capital greetings f...
                                                          0
1975
     Subject: colorado fyi - - - - - - ...
                                                          0
```

```
Subject: technical corner vince, last monda...
1976
                                                           0
1977
     Subject: re : i will miss the tuesday staff me...
                                                           0
1978
     Subject: consulting project dear vince: i h...
                                                           0
      Subject: re : mid - project review dates - enr...
1979
                                                           0
1980
     Subject: steve 's trip to houston dale, ric...
                                                           0
1981
      Subject: command confirmation request ( 4 e 46...
                                                           0
     Subject: non - disclosure agreement p . o . b...
1983
     Subject: re: programming for rdi model miche...
1984
     Subject: statistician position open feel free...
                                                           0
1985
     Subject: re : ca for henwood engagement i sus...
                                                           0
     Subject: mid - year 2000 performance feedback ...
                                                           0
1986
1987
      Subject: friday night dinner itinerary dinner...
                                                           0
1988
     Subject: re: houston visit thank you very mu...
                                                           0
1989
      Subject: var update memo hi grant, as reque...
1990
      Subject: friday brown bag lunch on option pric...
1991
                                           Subject: fyi
1992
     Subject: re : lawyer ian , sorry for a delay...
                                                           0
                                                           0
1993
     Subject: re : interview with enron corp . cli...
1994
     Subject: invitation to cera multiclient study ...
                                                           0
1995
     Subject: re : fw : citi , wells , enron , sl a...
                                                           0
     Subject: sevil yamin anne, vasant sent this...
1996
1997
     Subject: re: uk rab multiples michael, tha...
                                                           0
1998
     Subject: re : article hello , vince ! i just...
1999
     Subject: the february issue of reactions is no...
                                                           0
2000
     Subject: update - reimbursement of individuall...
                                                           0
2001
     Subject: re : enron credit modeling discussion...
                                                           0
2002
     Subject: refined products line - - north ameri...
                                                           0
2003
     Subject: purchase of license for software hel...
2004
     Subject: re : lunch przepraszam , ze tak dlug...
2005
     Subject: pdo 's in the media more about the ...
2006
     Subject: re : enron contact info christie , ...
2007
      Subject: re : executive program on credit risk...
                                                           0
2008
     Subject: final version of the presentation ge...
                                                           0
2009
            Subject: congratulations - well deserved .
                                                             0
2010
     Subject: interviews hi vince, thanks for ta...
                                                           0
      Subject: re : follow up on houston opportunity...
2011
     Subject: re : dale nesbitt meeting tues marga...
2013
     Subject: preliminary interviews with the resea...
2014
     Subject: gentlemen , spoke to vince k today a...
2015
     Subject: a letter i sent fiona , ? i sent y...
                                                           0
     Subject: re : var for 1 . 5 years for frozen p...
                                                           0
2016
2017
     Subject: re: anita dupont resume sheila, n...
                                                           0
2018
     Subject: entouch newsletter business highligh...
                                                           0
2019
     Subject: damages limitations bill and vince ,...
2020
     Subject: info about enron 's bandwidth market...
2021
     Subject: addition to enron - summer internship...
2022
     Subject: career opportunity dear mr . kaminsk...
                                                           0
2023
     Subject: risk chapters conrad - - i am workin...
                                                           0
```

```
Subject: re : enron / stanford program hi vin...
2024
                                                           0
2025
     Subject: vince , liberty gas storage project ...
                                                           0
2026
     Subject: re : presentation david , i am leav...
                                                           0
2027
      Subject: re : seismic data on oil & gas field ...
                                                           0
2028
     Subject: confirmation of your order this is a...
                                                           0
2029
      Subject: congratulations vince, congratulat...
                                                           0
     Subject: houston research opportunity hi vinc...
2031
     Subject: re : completion of ibuyit request for...
2032
     Subject: model validation trena,
                                           i have rec...
                                                           0
2033
     Subject: enron 's 2001 goals our vision to b...
                                                           0
2034
     Subject: fwd : dinner for paula return - path...
                                                           0
2035
     Subject: wall street journal subscription goo ...
                                                           0
2036
                                                           0
     Subject: enron research and ebs engineering an...
2037
     Subject: re : risk magazine - enron sponsored ...
2038
     Subject: understanding and applying financial ...
     Subject: the installation of the equipment you...
2039
2040
     Subject: all about current and near future gas...
                                                           0
     Subject: maureen 's expenses it appears that...
                                                           0
2041
2042
     Subject: interview - numerical methods & finan...
                                                           0
2043
     Subject: sevil yaman hi norma , sevil 's pr...
                                                           0
     Subject: re : private firm schedule thanks fo...
2044
2045
     Subject: full - time offer terms cantekin,
2046
     Subject: sokolov eis expenses - - - - - - - ...
2047
     Subject: re: valuation steve, please, let...
                                                           0
2048
     Subject: re : arthur andersen model validation...
                                                           0
     Subject: re : green card sevil , i believe y...
2049
                                                           0
2050
     Subject: re : price process parameter esimator...
                                                           0
2051
     Subject: new frbny research : 5 / 3 please re...
2052
     Subject: regulatory var tentative agenda for ...
2053
     Subject: urgent the associate and analyst rec...
     Subject: fw : invitation to 2001 energy financ...
2054
2055
     Subject: proposed bonuses greg , these are p...
                                                           0
2056
     Subject: re: update on iris molly, it seem ...
                                                           0
2057
     Subject: performance good morning everyone . ...
                                                           0
2058
     Subject: re: uk portfolios and books setup in...
2059
     Subject: interview schedule for martin jermaky...
2060
     Subject: eprm 2001 houston dear speaker, i ...
2061
     Subject: your approval is overdue : access req...
2062
     Subject: jaesoo lew tanya : although you and ...
     Subject: vince kaminski 's discussion notes f...
2063
                                                           0
     Subject: re : frank , thanks . i have given ...
                                                           0
2064
2065
     Subject: re : eprm articles chris , thanks f...
                                                           0
2066
                                                           0
      Subject: focus group invitation - supervisors ...
2067
     Subject: powerisk 2000 - october 3 rd - 6 th -...
2068
     Subject: rotation of leandro " roy " ibasco h...
2069
     Subject: re : parking space at 777 clay street...
2070
     Subject: re : presentation on tuesday vince ,...
                                                           0
2071
     Subject: enron earth day " trash bash " i enc...
                                                           0
```

```
Subject: re : [ no subject ] hi vince , this...
2072
2073
     Subject: only 1 week left to register for the ...
2074
     Subject: fyi : enron = the best hi vince .
                                                           0
2075
     Subject: pjm two - settlement & market - based...
                                                           0
2076
     Subject: re : fw : credit risk model comments ...
2077
      Subject: re : sorry . thank you , vince . i r...
                                                           0
     Subject: 3 - d seismic data and oil trading a...
2079
     Subject: actuarial course material hi dale , ...
2080
     Subject: new extension installed we will rece...
2081
     Subject: re : fw : fw : get together this comi...
                                                           0
2082
     Subject: re : statistician from rice osman , ...
                                                           0
2083
     Subject: congratulations! hi vince: i just...
2084
     Subject: re : mscf speaker series pierre - ph...
                                                           0
2085
     Subject: re : anjam 's term sheet tara : i ...
2086
     Subject: project with maria garcia vince, h...
     Subject: re : risk 2000 panel discussion stev...
2087
2088
     Subject: two - settlement xml / csv conversion...
                                                           0
     Subject: cera conference call : ferc ' s order...
                                                           0
2089
2090
     Subject: volumetric optionality model changes ...
2091
     Subject: re : telephone interview with the enr...
                                                           0
2092
     Subject: job description good afternoon . her...
2093
     Subject: re : sms conference yes , i shall b...
2094
     Subject: re : anshuman srivastava sandeep : f...
2095
     Subject: computer - new location hello, i n...
                                                           0
2096
     Subject: re: real options conference in cambr...
                                                           0
     Subject: f / u from iris mack , mba / phd to e...
2097
                                                           0
2098
     Subject: a paper of mine vince, i have writ...
                                                           0
2099
     Subject: eol wti maket maker simulation model ...
2100
     Subject: enron , india database sandeep , ? ...
                                                           0
2101
     Subject: to ops - revised february bod approve...
     Subject: re : bogdan szopa - cv shawn , i ha...
2102
2103
     Subject: video conference with ross mcintyre ...
                                                           0
2104
     Subject: praca dyplomowa niniejszym potwierdz...
                                                           0
2105
     Subject: program i forgot to attach the progr...
                                                           0
     Subject: research group " millenium " party h...
2106
2107
     Subject: telephone interview with the enron re...
     Subject: cera monthly oil briefing - cera aler...
2109
     Subject: year end 2000 performance feedback n...
2110
     Subject: further actions on anjam 's departur...
2111
     Subject: re : bandwidth + + stinson , let ' ...
                                                           0
2112 Subject: storage book . . . ravi : samer and...
                                                           0
     Subject: re : billing question thank you for ...
2113
                                                           0
2114
     Subject: re : garp 2001 convention frank ,
                                                           0
2115
     Subject: re: additional bloomberg terminal fo...
2116
     Subject: re : spring 2001 conference participa...
2117
     Subject: risk report on " guide to electricxit...
2118
     Subject: london telephonhe numbers change fyi...
                                                           0
2119
     Subject: my trip to india tentative plan is 1...
```

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2120
     Subject: component var tanya, some stabilit...
2121
     Subject: new order : palm vx for grant masson ...
2122
     Subject: the latest (last?) intended for m...
                                                            0
2123
     Subject: re : follow up on houston opportunity...
                                                            0
2124
     Subject: re : personal dear mr . kaminski : ...
                                                            0
2125
     Subject: re : vincent tang vince - thanks so ...
                                                            0
     Subject: re: technical corner article tanya ...
2127
     Subject: re : amitava ' s visit bryan , i am...
2128
     Subject: a message from joe sutton today , i ...
2129
     Subject: enhanced energy scheduler tool in pro...
                                                            0
     Subject: summer position - - - - - - ...
2130
                                                            0
2131
     Subject: re : confirm participation at real op...
                                                            0
2132
     Subject: re: research meeting steve, yes ...
     Subject: visit may 4 th vince: per susan ' ...
2134
     Subject: re : equity investment fair value in ...
2135
     Subject: stanford associate recruiting i woul...
2136
     Subject: my coordinates test message vincent...
     Subject: re : visit to houston and vince kamin...
2137
                                                            0
2138
     Subject: your visit to sydney in july dear vi...
2139
     Subject: re: grades thank you! - pvc at 09...
                                                            0
2140
     Subject: move to the research area hi shalesh...
2141
     Subject: dr . gabriel bitran vince , fyi . ...
2142 Subject: re : visit to houston martin , all ...
2143
     Subject: re: testiing component var naveen ,...
2144
     Subject: soma ghosh prc mid year review tim d...
2145
     Subject: career opportunities @ enron - - - - ...
                                                            0
2146
     Subject: eim organization change as part of e...
                                                            0
2147
     Subject: contact - joao c . neves & enron dea...
2148
     Subject: greeting from charles dear molly : ...
     Subject: re : interview rahul , i shall be g...
     Subject: re : guest access to enrononline % \left( 1\right) =\left( 1\right) \left( 1\right)  ed ...
2150
2151
     Subject: cal berkeley general presentation con...
                                                            0
2152
     Subject: re : follow up dale , i have passed...
                                                            0
2153
     Subject: re : from larry roberts thanks for t...
                                                            0
2154
     Subject: re: enron exotica options library p...
     Subject: research allocations to egm hi becky...
2155
     Subject: re : efa meetings hey vince , thank...
2157
     Subject: research family outing and volleyball...
     Subject: 2000 projects in order to better und...
2158
2159
     Subject: re : petronas benchmarking visit kha...
                                                            0
     Subject: re : spring 2001 schematic david , ...
                                                            0
2160
     Subject: associate prc , martin lin dave , y...
2161
2162
     Subject: re : pound sterling economic analysis...
                                                            0
2163
     Subject: interview schedule for jeff lei he a...
2164
     Subject: sap id - here it is ! ! ! ! the fo...
2165
     Subject: visit with vince kaminski on may 4 th...
2166
     Subject: re : joao neves thank you vince . i ...
2167
     Subject: followup from iris mack hi , thank ...
```

```
2168
     Subject: re : congratgulations thanks vince ,...
2169
     Subject: uoft rick, thanks for your message...
2170
     Subject: re : mission impossible - hr associat...
                                                           0
2171
     Subject: iso new england and pjm propose stand...
                                                           0
2172
     Subject: personnel announcement jordan h . mi...
                                                           0
2173
     Subject: re : summer internship thanks dr . k...
                                                           0
     Subject: re : ibuyit user set up diane : we ...
2175
     Subject: re : mec mark , steve 's comment h...
2176 Subject: iv kirstee hewitt fifth floor se 5005...
2177
     Subject: fwd : latest roster - rice let 's t...
2178
     Subject: re : picks and publishers sure . i '...
                                                           0
2179
     Subject: request submitted: access request fo...
     Subject: gas & power marketing & trading study...
2180
                                                           0
     Subject: re: martin lin norma, thanks for ...
2182
     Subject: re : fw : energy book promotion than...
     Subject: re : forward oil prices john , i ca...
2183
2184
     Subject: enron open positions hello mr . kami...
     Subject: new documents vince, here 's the ...
2185
2186
     Subject: re : action learning project and enro...
     Subject: files in houston hi , i am trying t...
2187
                                                           0
2188
     Subject: tiger evals - attachment tiger hosts...
2189
     Subject: re : sddp vince , i 'll send him o...
2190
     Subject: meeting for friday on storage hi mar...
2191
     Subject: happy thanksgiving ! hello , vince !...
2192
     Subject: re : allan roberts email jim , than...
2193
     Subject: re : eol guest account access i ' ve...
                                                           0
2194
     Subject: re : extreme value theory applied to ...
                                                           0
2195
     Subject: re : fw : wharton resume submission -...
2196
     Subject: re : kwi user group david , i regre...
2197
     Subject: enron interview of james valverde hi...
2198
     Subject: mr . big shot ! vince - i couldn ' ...
2199
     Subject: re : seminar series mug barbara , i ...
     Subject: re : vacation shirley , no problem \dots
2200
2201
     Subject: hello all just wanted to share the 1...
                                                           0
2202
     Subject: re : follow - up meeting on wharton ...
2203
     Subject: re : light switch for eb 1939 dolore...
2204
     Subject: tiger team mr . bayne : attached is...
2205
     Subject: hi vince, as always, i enjoyed hav...
     Subject: resume for wichai narongwanich i was...
2206
2207
     Subject: christmas baskets the christmas bask...
2208
     Subject: re : looking for someone who has expe...
                                                           0
2209
     Subject: new pc shirley, ok. vince - - - ...
2210
     Subject: presentation to faculty and students ...
                                                           0
2211
     Subject: re: power crisis in the west tim be...
2212
     Subject: draft from the editor with questions ...
2213
     Subject: re : conference : monetary policy in ...
2214
     Subject: re : nymex volumes for rebuttal vinc...
2215
     Subject: re : ca for henwood engagement badri...
```

```
Subject: re : d - g energy please let me know...
2216
2217
     Subject: ppi index short - term models - - - ...
2218
     Subject: re : loan pc charlotte , i confirme...
                                                           0
2219
     Subject: re : offer ken , either is really f...
                                                           0
2220
     Subject: wharton business plan competition hi...
                                                           0
2221
      Subject: pjm / ftrs ' meeting this thursday 6 \dots
                                                           0
2222
     Subject: visit by enron , 19 october 2000 a t...
2223
     Subject: london , new york , houston , financi...
2224
     Subject: 2 nd message - re : dec 2 super satur...
                                                           0
2225
     Subject: re : re : workshop this is great new...
                                                           0
2226
     Subject: analysis of dabhol energy cost jeff ...
                                                           0
2227
     Subject: re : default rates mark , this is a ...
                                                           0
2228
     Subject: thanks maureen - thanks for your out...
                                                           0
2229
     Subject: managing enron 's relationships with...
2230
     Subject: re : risk 2000 panel discussion , bos...
2231
     Subject: re: trading algorithms andy, soun...
                                                           0
2232
     Subject: re : check vince , ? oh . ? i sent...
                                                           0
     Subject: re : philippe jorion ' s pending visi...
2233
                                                           0
2234
     Subject: organizational announcement - introdu...
                                                           0
2235
     Subject: re : fw : citi , wells , enron , sl a...
                                                           0
2236
     Subject: new recruit: matthew williams work a...
2237
     Subject: re : fw : possible visit to enron by ...
2238
     Subject: re : invoice for energy derivatives c...
2239
     Subject: new research tool - too cool !!! t...
                                                           0
2240
     Subject: re: real options vince, thanks ag...
                                                           0
2241
     Subject: re : candidate evaluation , wendi ger...
                                                           0
2242
                                                           0
     Subject: research and development charges to g...
2243
     Subject: manoj gupta - interview schedule att...
                                                           0
        Subject: maureen 's presentation here it is!
2244
                                                             0
2245
     Subject: invitation to sunday dinner with vinc...
                                                           0
2246
     Subject: joint probabilities michael tables ...
2247
      Subject: re : aiesec polska - eurolds 2000 sz...
2248
     Subject: norway visit: research agenda dear ...
                                                           0
2249
     Subject: interview schedule for greg mikkelson...
                                                           0
2250
     Subject: multi trigger vince, jere asked th...
2251
      Subject: brad romine greg , as you may know ...
2252
     Subject: my new position i wanted to submit m...
2253
     Subject: projected fund giving george - here...
     Subject: re : paper - request ( informs meetin...
2254
2255
     Subject: e & p company model mark , did you ...
                                                           0
2256
                                                           0
     Subject: re : european energy 2000 , april , a...
      Subject: greg whalley 's new office location ...
2257
                                                           0
2258
      Subject: london meeting dear vince could you...
                                                           0
2259
     Subject: it compliance after 23 years of serv...
2260
     Subject: departure of grant masson the resear...
2261
     Subject: re : gwen koepke i will see you on f...
2262
     Subject: phone number in france: mes amis, ...
2263
                            Subject: elena chilkina hi
```

```
Subject: clean fuels - gpg business segment d...
2264
2265
     Subject: fwd : billing question return - path...
2266
     Subject: invites for australian energy risk 20...
                                                           0
2267
     Subject: re : alp presentation fyi vince - ...
                                                           0
2268
     Subject: various market data charges to the re...
                                                           0
2269
     Subject: linear programming software purchase ...
                                                           0
     Subject: re : power play book vince , i ' m ...
2271
     Subject: christmas baskets here is the final ...
2272 Subject: i ' m in hospital ! ! i ' ve had a...
                                                           0
2273
     Subject: wti maket maker simulation model joh...
                                                           0
2274
     Subject: good meeting mark: i enjoyed our m...
                                                           0
2275
     Subject: request for two powerpoint presentati...
                                                           0
2276
     Subject: re : houston trip i extended the ren...
                                                           0
2277
     Subject: re : charm jim , charm looks more l...
2278
     Subject: the main list should be : michael fa...
     Subject: off work all i will be taking the f...
2279
                                                           0
2280
     Subject: continue enjoying iijournals - - rene...
                                                           0
2281
     Subject: more jcc the historical context . . ...
                                                           0
2282
     Subject: re : enron alp vince , many thanks ...
                                                           0
2283
     Subject: the garp 2001 convention: invitation...
                                                           0
     Subject: eol wti trading simulation - - - - - ...
2284
2285
     Subject: power spread option - curve access re...
2286
     Subject: cera conference call: mexican energy...
2287
     Subject: re : lost cell telephone thanks ! c...
                                                           0
2288
     Subject: re : fw : a request from uc hicago st...
                                                           0
     Subject: ljm vince / stinson : the following...
2289
                                                           0
2290
     Subject: re: stanford project nick, thanks...
                                                           0
2291
     Subject: hrgovcic , hrvoje please incease the ...
2292
     Subject: re: your presentation vince, i'...
2293
     Subject: enron wholesale services legal depart...
     Subject: vmi agreements \, hi richard \,, here is \,...
2294
2295
     Subject: venue details for energy derivatives ...
                                                           0
2296
     Subject: position report for dual trigger prod...
                                                           0
2297
     Subject: telephone interview with the enron re...
                                                           0
2298
     Subject: wharton collaborative research here ...
2299
     Subject: re : interview schedule for iris mack...
2300
     Subject: tiger team hi vince! attached is p...
2301
     Subject: organizational announcement in case ...
2302
     Subject: re : uk : reconciling the spreadsheet...
2303
     Subject: re : enron credit model docs for the ...
                                                           0
     Subject: fas 133 working group meeting - energ...
                                                           0
2304
     Subject: don ' t forget - coffee colloquium th...
2305
                                                           0
2306
     Subject: re : approval is overdue : access req...
                                                           0
2307
     Subject: real options conference programs ( uc...
                                                           0
2308
     Subject: re : get together this coming tuesday...
2309
     Subject: re: book cover habiba, thanks for...
2310
     Subject: re : mathworks molly , i met lou in...
                                                           0
2311
     Subject: hello guys vince and stinson , just...
                                                           0
```

```
Subject: re : houston trip dear vince / chris...
2312
2313 Subject: research prc please make sure that v...
                                                          0
2314
     Subject: position shirley, i would like to ...
                                                          0
2315
     Subject: re : hello from vince kaminski at enr...
                                                          0
2316
     Subject: var methodology change gentlemen, ...
2317
     Subject: re : edith terry vince : thank you ...
                                                          0
     Subject: re: invitation to speak at infocast ...
2319
     Subject: re : agenda for houston visit mike ,...
2320
     Subject: ppa auction the government of albert...
2321
     Subject: re : matthew williams let 's agree ...
                                                          0
2322
     Subject: april futures contract vince and vas...
                                                          0
2323
     Subject: re : summer internship shirley,
                                                          0
2324
     Subject: interview for japan office darren , ...
                                                          0
2325
     Subject: eol stuff vince - i spoke with tom ...
2326
     Subject: interview schedule for punit rawal h...
     Subject: request submitted: access request fo...
2327
2328
     Subject: the ferc staff report on western mark...
                                                          0
     Subject: enron credit modeling discussions hi...
                                                          0
2329
     Subject: resending paper ---- ...
2330
2331
     Subject: re : lawyer i will sign an agreement...
                                                          0
2332
     Subject: 4:00 pm budget meeting dave will c...
2333
     Subject: re : power play book vince , you ar...
2334
     Subject: re: (no subject) jana, sounds p...
2335
     Subject: re : bei enron anjam , can you , pl...
                                                          0
2336
     Subject: re : risk 2000 - boston oliver , i ...
                                                          0
2337
     Subject: organisational announcement we are p...
                                                          0
2338
     Subject: from the enron india newsdesk - april...
                                                          0
2339
     Subject: phone interview per our conversation...
2340
     Subject: interview schedule for yingquan shen ...
2341
     Subject: re : ca for henwood engagement sande...
     Subject: re : book review great job vince . i...
2342
2343
     Subject: resume , cv . , etc . dear mr . kami...
2344
     Subject: alliance info alert : ferc report on ...
                                                          0
2345
     Subject: revised : restricted list neither en...
                                                          0
2346
     Subject: seasonal factors and curve fitting
     Subject: doreen v - i spoke with doreen this...
2347
2348
     Subject: re: ken lay 's speech the $ 460 bi...
2349
     Subject: fea announces the release of @ energy...
2350
     Subject: re: garp 2001 convention andreas, ...
2351
     Subject: logistics for the sycamore meeting in...
                                                          0
                                                          0
2352
     Subject: energy & power risk management 2001 ...
2353
     Subject: introduction of the european gas advi...
                                                          0
2354
     Subject: leadership committees we are launchi...
                                                          0
2355
     Subject: employees that are listed in the rese...
2356
     Subject: re : vacation shirley , no problem ...
2357
     Subject: spreadsheet for george posey vince a...
2358
     Subject: meeting with vince kaminski hello mr...
                                                          0
2359
     Subject: flat screens hello, please call or ...
                                                          0
```

```
Subject: re : follow - up on siam workshop th...
2360
     Subject: hello hi vince, how are you . it w...
2361
                                                          0
2362
     Subject: resume for bruce james dr . kaminski...
                                                          0
2363
     Subject: (no subject) vince, here are the...
                                                          0
2364
     Subject: resume - rabi de vince, thanks for ...
                                                          0
2365
     Subject: re: transition to research group - a...
                                                          0
     Subject: re : summer work . . jinbaek , than...
2367
     Subject: contstraints on the shape of a smile ...
2368
     Subject: re : invoices hi julie : the march ...
                                                          0
2369
     Subject: re : mscf speaker series pierre - ph...
                                                          0
2370
     Subject: hi vince! please let me know if uni...
                                                          0
2371
     Subject: the real options conference shirley ...
                                                          0
     Subject: off - site : john griebling ' s organ...
2372
                                                          0
2373
     Subject: data for moody 's riskcalc craig an...
2374
     Subject: year end 2000 performance feedback n...
     Subject: color copier information kevin , pl...
2375
                                                          0
2376
     Subject: uk swap rpi model ---- ...
                                                          0
     Subject: risk systems enhancements meeting 9 /...
                                                          0
2377
2378
     Subject: california power 1 / 15 / 01 vince -...
     Subject: energy book fiona , ? thanks for y...
2379
                                                          0
2380
     Subject: re: yes sir jeff, thanks. we sh...
2381
     Subject: trash bash event on saturday , march ...
2382
     Subject: re : prospective 6 / 22 houston visit...
2383
     Subject: re : visit to enron fyi - - - - - ...
2384
     Subject: good morning vince, attached you w...
                                                          0
     Subject: vacation vince: i would like to ta...
2385
                                                          0
2386
     Subject: ideas vince: i may have neglected ...
                                                          0
2387
     Subject: riskbrief - january issue riskbrief ...
2388
     Subject: re : green card for paulo stinson , ...
2389
     Subject: re: march real options conference g...
2390
     Subject: re : alp presentation christie , gr...
                                                          0
2391
     Subject: spring 2001 course schedule spring 2...
                                                          0
2392
     Subject: re: houston visit soussan, thanks...
                                                          0
2393
     Subject: invitation - wharton et events mark ...
                                                          0
2394
     Subject: re: invitation to my house anthony ...
2395
     Subject: re : lng may 19 decision john , thi...
2396
     Subject: contact for sam audit vince & stinso...
2397
     Subject: benefits - personal days vince : is...
2398
     Subject: btrieve free ride ends network world...
2399
     Subject: copier on 32 nd floor hello iain , ...
                                                          0
     Subject: continental phone # 1 - 800 - 621 - ...
                                                          0
2400
2401
     Subject: open enrollment 2001 open enrollment...
                                                          0
2402
     Subject: thank - you . . . dear dr . kaminski...
                                                          0
2403
     Subject: re: status of enron project howard ...
2404
     Subject: request submitted : access request fo...
2405
     Subject: enron / stanford program paul , tha...
2406
     Subject: energy derivatives book hi vince, ...
2407
     Subject: re : this summer 's houston visits 2...
```

```
Subject: promotions our promotions are listed...
2408
2409
     Subject: videoconferences w / enron team and ...
2410
     Subject: organisational announcement - introdu...
2411
     Subject: re : petronas benchmarking visit kha...
                                                          0
2412 Subject: re : schedule and more . . jinbaek ,...
2413
     Subject: invitation to speak at power 2000 hi...
                                                          0
     Subject: new book out: theory of financial ri...
2415
     Subject: allocation schedule we spoke prior t...
2416 Subject: pjm files load reduction pilot progra...
2417
     Subject: re : ca for henwood engagement stins...
                                                          0
2418
     Subject: re : sevil yamen anne , thanks . v...
                                                          0
2419
     Subject: pravas sud billy , i would like you...
2420
     Subject: luigi zingales seminar on april 27 r...
                                                          0
2421
     Subject: re: research sign off steve, sign...
2422
     Subject: ameriflash newsletter business highl...
     Subject: asset swaps vs cds 's - - - - - - ...
2423
2424
     Subject: agenda for houston visit dear vince ...
2425
     Subject: fyi - a new esai report forecasting p...
2426
     Subject: re : shane , thanks for your messag...
2427
     Subject: re : new color printer sorry , don ...
                                                          0
     Subject: re : managing energy price risk let ...
2428
2429
     Subject: re : prospective 6 / 22 houston visit...
2430
     Subject: re: uk rab multiples vince, we ha...
2431
     Subject: congratulations vince congrats on t...
2432
     Subject: new value lab fyi . . . . ajo - - ...
2433
     Subject: enron in india hi vince, i was not...
                                                          0
2434
     Subject: united healthcare contracting update ...
                                                          0
2435
     Subject: cplex stinson, enclosed are the de...
     Subject: fw : mark boland - deal examples and ...
2436
2437
     Subject: re : spring workshop folks : it is ...
2438
     Subject: energy conference vince, greetings...
2439
     Subject: charm see below for more information...
2440
     Subject: re : background information tom ,
2441
     Subject: re : genetic programming todd , we ...
                                                          0
2442
     Subject: re : curves for south america remi ,...
2443
     Subject: your trip hi vince, the following ...
     Subject: re : action learning project informat...
2445
     Subject: re : it was nice meeting you at the i...
     Subject: interview schedule for wichai narongw...
2447
     Subject: reimbursement of individually billed ...
2448
     Subject: re : test avi , these are my coordi...
                                                          0
2449
     Subject: re : your mail zhendong , dr . kami...
2450
     Subject: aiesec polska - eurolds 2000 jarek ,...
                                                          0
2451
     Subject: factor loadings fyi . . jeff - - - ...
2452
     Subject: a few comments john , happy new yea...
2453
     Subject: mba career opportunity dear? vincen...
2454
     Subject: the installation of the equipment you...
2455
     Subject: risk and purchasing meeting - eb 4438...
```

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Subject: re : holiday greeting from jerry wind...
2456
2457
     Subject: re : next visit to houston ed , wed...
                                                           0
2458
     Subject: re : re [ 10 ] : greetings from londo...
                                                           0
2459
      Subject: rab graph i believe this will be hel...
                                                           0
2460
     Subject: re : summer internship shirley,
                                                           0
      Subject: re : uk portfolios and books setup in...
2461
                                                           0
     Subject: re : ( no subject ) jana , sorry , ...
2463
     Subject: help on dpc lng options jeff, i fu...
2464
     Subject: tage vince, i have the information...
                                                           0
2465
     Subject: 20 th annual ceraweek - " shooting th...
                                                           0
     Subject: re : fw : parent - subsidary model h...
2466
                                                           0
     Subject: interview with the research group go...
2467
                                                           0
2468
     Subject: a few loose ends norma, thanks for...
                                                           0
2469
     Subject: a friend of mine shirley, please, ...
2470
     Subject: re : enterprise risk management jim ...
     Subject: fwd : re : optical network engineerin...
2471
2472
     Subject: re : mscf speaker series kristin gan...
                                                           0
2473
     Subject: day off tuesday stinson, i would 1...
                                                           0
2474
     Subject: re : f / u to dr . kaminski @ enron f...
                                                           0
2475
     Subject: telephone interview with the research...
                                                           0
2476
     Subject: re : fw : fw : get together this comi...
2477
     Subject: times 2 filing units pat : recently...
2478
     Subject: carnegie mellon shirley, i just sp...
2479
     Subject: model development vince, here is o...
                                                           0
2480
     Subject: re : request for two powerpoint prese...
                                                           0
     Subject: re : argentina modelling michael , ...
2481
                                                           0
2482
     Subject: visit in november shirley, please ...
                                                           0
2483
     Subject: working paper list & etc ? ? ? dear ...
2484
     Subject: iv rene ledis fifth floor se 5018 in...
2485
     Subject: confirmation of your order this is a...
2486
     Subject: re : dolores please , register me f...
2487
      Subject: eol trade size discrepancies vince -...
2488
     Subject: recent projects hi vince, i have b...
                                                           0
2489
     Subject: re : yaron ' s resume kevin ,
                                                           0
2490
     Subject: re: houston research opportunity: a...
2491
      Subject: registration for " north american gas...
2492
     Subject: visiting enron may 4 th christie, ...
                                                           0
2493
     Subject: re : compound model for reedy creek ...
2494
     Subject: the expertfinder is here!! introdu...
2495
     Subject: change of payroll status for elena ch...
                                                           0
2496
                                                           0
     Subject: test project proposal vince:
2497
      Subject: re: frank, yes. vince from: f...
                                                           0
2498
     Subject: re : weather and energy price data
                                                           0
2499
     Subject: address allan , i am sending you my...
2500
     Subject: carnegie mellon recruiting i receive...
2501
     Subject: re : stanford or - summer interns ra...
2502
     Subject: re : houston visit great ! i look fo...
                                                           0
2503
     Subject: re : summer opportunity kim , yes ,...
```

```
Subject: 11 visa - anshuman shrivastava anshu...
2504
2505
     Subject: re : srf for sandeep kohli : eva : re...
                                                          0
2506
     Subject: from robert schenck, henwood sandee...
                                                          0
2507
     Subject: tentative schedule of the talks at si...
                                                          0
2508
     Subject: re : time david : i have you schedu...
                                                          0
2509
     Subject: enron mid - year 2000 performance man...
                                                          0
     Subject: re : a request duane , i shall be t...
2511
     Subject: hea sporting clays tournament - augus...
2512 Subject: re : prosym license hi karolina ,
2513
     Subject: re: chapter 3 revisions grant, so...
                                                          0
2514
     Subject: re : agenda for ny mg metals visit 1...
                                                          0
2515
     Subject: re: telephone interview with the enr...
2516
     Subject: research tip hello vince:
                                                          0
2517
     Subject: hello all: please send an email to ...
2518
     Subject: re : weatherwise thanks , brian . do...
     Subject: summer at enron hi vince : if you or...
2519
2520
     Subject: this is the daily total load and weat...
                                                          0
2521
     Subject: alp presentation vince and ken,
                                                          0
2522
     Subject: re : qian ( frank ) feng interview wi...
2523
     Subject: enron university affairs enron publi...
                                                          0
2524
     Subject: re : grades pam , the students rese...
2525
     Subject: re: friday brown bag lunch on option...
2526
     Subject: dear vince: are you available to at...
2527
     Subject: re: contact information eric, tha...
2528
     Subject: re : enron / stanford program stinso...
                                                          0
2529
     Subject: re : conference call on friday , marc...
                                                          0
2530
     Subject: re : hyundai merchant marine lng draf...
                                                          0
2531
     Subject: asking for advice regarding summer as...
2532
     Subject: re : kenneth parkhill stinson : norm...
2533
     Subject: congratulations dear vince - i am s...
2534
     Subject: ppi index short - term models hi mar...
2535
     Subject: ena fileplan vince: fyi -----...
2536
     Subject: re: resume, thanks for the heads u...
                                                          0
2537
     Subject: re : parking pass for van ngo done ...
                                                         0
2538
     Subject: re : houston visit soussan ,
                                                          0
2539
     Subject: re: telephone interview with the enr...
2540
     Subject: mike 's laptop vince, check it ou...
2541
     Subject: t . v . please what 's the ststus ?...
     Subject: renshi zhang 's resume shirley and ...
2542
2543
     Subject: resume and available dates for amy wa...
                                                          0
2544
     Subject: forecasting project per our monday m...
                                                          0
2545
     Subject: re : congratulations thanks . vince...
                                                          0
2546
     Subject: color copier thanks for your immedia...
                                                          0
     Subject: re : internship shane : sorry , i h...
2547
2548
     Subject: invoice for ordered papers shirley ,...
2549
     Subject: electricity summit at u . c . berkele...
                                                          0
2550
     Subject: telephone interview with enron corp ...
                                                          0
2551
     Subject: installation of new programs phillip...
```

```
Subject: your confirmation is needed please r...
2552
2553
     Subject: cera conference call - tuesday , janu...
                                                           0
2554
     Subject: bob lee 's bio vince, here 's bo...
                                                           0
2555
     Subject: re : london contact number hi anita ...
                                                           0
2556
     Subject: re: the garp 2001 convention andrea...
                                                           0
2557
      Subject: re : test thanks , vince . we have r_{\cdots}
                                                           0
     Subject: re : visit to enron thanks . i will ...
2559
     Subject: re: presentation thanks! you are ...
     Subject: from the enron india newsdesk - may 5...
2560
2561
     Subject: japan candidate vince, i spoke wit...
                                                           0
2562
     Subject: re : course instructor clare , i re...
                                                           0
2563
     Subject: bearish pressure on prices to resume ...
                                                           0
2564
     Subject: s . tamarchenko teresa , it 's ok ...
                                                           0
     Subject: cusip david, the cusip of the bond...
2566
     Subject: wti trading simulation presentation -...
2567
                        Subject: this hurricane elana
2568
     Subject: reviewer approval please note that y...
                                                           0
     Subject: fwd : billing question return - path...
                                                           0
2569
2570
     Subject: my resume hi vince, i spoke with r...
                                                           0
2571
     Subject: re : greetings hi , mr . kaminski : ...
                                                           0
2572
     Subject: fw : eprm article any feedback on th...
2573
     Subject: research and development charges to g...
2574
     Subject: new commodity marketplace opportunity...
2575
     Subject: re : subscription renewal stephanie ...
                                                           0
2576
     Subject: risk 2000 panel discussion good morn...
                                                           0
     Subject: fwd curves margaret, the forward p...
2577
                                                           0
2578
     Subject: research dept . move hello everyone ...
                                                           0
2579
     Subject: interim report to gary hickerson for ...
2580
     Subject: re : generation earnings model miche...
2581
     Subject: united way executive solicitation as...
2582
     Subject: eol presentation thank you for meeti...
2583
     Subject: collaborative effort vince: i am ve...
2584
     Subject: nymex chris , here is the analysis ...
                                                           0
2585
     Subject: good morning vince, attached is a ...
                                                           0
     Subject: it was great talking with you . dave...
2586
2587
      Subject: happy holidays! i wish you wonderfu...
     Subject: fw : fyi - more on truck s / d vince...
2588
2589
     Subject: mit team meeting greetings, mit rec...
     Subject: mscf speaker series mscf speaker ser...
2590
2591
     Subject: re : our workshop helyette , sorry ...
                                                           0
     Subject: vince and vasant : here is a brief s...
                                                           0
2592
2593
     Subject: re : ena analysts and associates i s...
                                                           0
2594
     Subject: super saturday - dinner participation...
                                                           0
2595
     Subject: preface for book vince, ? hope yo...
2596
     Subject: re : sevil yamen anne , thanks . v...
2597
     Subject: packet analysis software hi stinson ...
2598
     Subject: pserc denver meeting vince, the ps...
                                                           0
2599
     Subject: great divide lodge vince and shirley...
```

```
Subject: re : interview with research dept . c...
2600
2601
     Subject: charles shen vince: update on charl...
2602
     Subject: siam conference dear mr . kaminski ,...
                                                           0
2603
     Subject: re: meeting on feb 8, 2001 fyi. ...
                                                           0
2604
     Subject: re: vince / stinson, the note bel...
                                                           0
     Subject: rtp project thanks vince . i think t...
2605
                                                           0
     Subject: re : a very good candidate ok , will...
2607
     Subject: houston trip hi jaideep! my first ...
2608
     Subject: marketpoint license agreement john /...
                                                           0
2609
     Subject: mgmt 656 here is your latest roster ...
                                                           0
2610
     Subject: mit financial engineering pro - semin...
                                                           0
2611
     Subject: co - integration zimin, andrea ree...
     Subject: gas transportation meeting - 8 / 16 /\dots
2612
                                                           0
     Subject: presentation at ut vince, i apprec...
2614
     Subject: re : sfa individual registrations hi...
2615
     Subject: var for metals it is my preference t...
2616
     Subject: re : question will do . john at 11...
                                                           0
     Subject: non - firm power curve building hi v...
                                                           0
2617
2618
     Subject: dot . odpowiedzi na list mam nadziej...
                                                           0
2619
     Subject: credit model status update bill,
                                                           0
     Subject: high frequency market data analysis ...
2620
2621
     Subject: contact info i will be out next week...
2622 Subject: hello vince vince, two things. do...
2623
     Subject: sabbatical dr . kaminski : ? i had...
                                                           0
2624
     Subject: re : li sun jeff , i met with li su...
                                                           0
     Subject: univ of texas julia, the lawyers a...
2625
                                                           0
2626
     Subject: enron: wefa luncheon may 1 would yo...
                                                           0
2627
     Subject: continue enjoying iijournals - - rene...
2628
     Subject: eol dan , i am forwarding you the s...
2629
     Subject: follow - up meeting on wharton it se...
2630
     Subject: re : improving option valuation preci...
2631
     Subject: re : li xiao thanks so much , vince ...
2632
     Subject: reminder hello everyone : vince has...
                                                           0
2633
     Subject: re : argentina power & gas market mod...
                                                           0
2634
     Subject: re : enron / stanford program stinso...
     Subject: approval for reviewer roberts jr , m...
2635
2636
     Subject: re : bollerslev seminar excellent . ...
2637
     Subject: reactions november is now live on - 1...
     Subject: re : mit financial engineering pro - ...
2638
2639
     Subject: re : flight molly , it 's ok (eve...
                                                           0
     Subject: some municipal bonds for you to look ...
                                                           0
2640
     Subject: working at home this afternoon i wil...
2641
     Subject: joe mccauley 's papers vince , as \boldsymbol{...}
2642
                                                           0
2643
     Subject: bill koures vince, alex and i did ...
2644
     Subject: re : operational risk michael , the ...
2645
     Subject: re : p + spread options jeff , a sh...
2646
     Subject: re : resume , molly , i would like ...
                                                           0
2647
     Subject: re : confidential sophie , i think ...
```

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Subject: re : change - video to teleconference...
2648
                                                           0
2649
     Subject: re : evaluations - enron - reminder
                                                           0
2650
     Subject: from the enron india newsdesk - april...
                                                           0
2651
      Subject: re : pending approval for ibuyit requ...
                                                           0
2652
     Subject: re : brazil fyi . this is a deal i '...
                                                           0
     Subject: re : tiger team - wharton participant...
2653
                                                           0
     Subject: miscellaneous items vince: here ar...
2655
     Subject: risk desk , issue # 1 hello - - list...
2656
     Subject: re: 1997 risk paper on pricing of el...
                                                           0
2657
     Subject: enron 's new weather system, courte...
                                                           0
2658
     Subject: research group accountant hi dawn : ...
                                                           0
2659
     Subject: var for cob 1st aug 2000 hi,
                                                           0
2660
     Subject: understanding risk and return of an i...
                                                           0
     Subject: aga for 6 / 16 / 00 is predicted at 8...
2662
     Subject: confirmation of meeting vince: than...
     Subject: re krishnarao , pinnamaneni v review ...
2663
2664
     Subject: re : the research lunch i would be v...
                                                           0
     Subject: re : eprm course chris , thanks for ...
                                                           0
2665
2666
     Subject: re : information vince , after chec...
                                                           0
2667
     Subject: re : fwd : summer internship - - ph ...
                                                          0
2668
     Subject: dr . michelle foss - energy institute...
2669
     Subject: re : rice students ken a tour would...
2670
     Subject: re : clustering for power tanya ,
2671
     Subject: fwd : our conversation today return ...
                                                           0
     Subject: re: tasha, yes, i think li xiao ...
                                                           0
2672
     Subject: re : lunch fyi - - - - - - ...
2673
                                                           0
2674
     Subject: complexity science and the energy ind...
                                                           0
2675
     Subject: request for natural gas technical ana...
2676
     Subject: raptor position reports for 1 / 29 / ...
2677
     Subject: re : fw : fw : visit to enron by prof...
     Subject: pro opticus shirley , please , send...
2678
                                                           0
2679
     Subject: re : a personal favor anurag , i sh...
                                                           0
2680
     Subject: risk and purchasing meeting due to t...
                                                           0
2681
     Subject: old email address > hello vince ,
                                                           0
2682
     Subject: your lap top vince: the it migrati...
2683
     Subject: cera conference call and web presenta...
2684
     Subject: re : durasoft - - java class what do...
2685
     Subject: re : risk model thanks vince . i mad...
2686
     Subject: encounter article - shalesh ganjoo w...
2687
     Subject: re : agenda for next week ben , i s...
                                                           0
     Subject: rabi de toni : we talked to rabi . ...
                                                           0
2688
     Subject: wharton trip jim , no changes in th...
2689
                                                           0
2690
      Subject: option p & l gentleman : the erms s...
                                                           0
2691
     Subject: re: enron tiger dinner donna, tha...
2692
     Subject: calling @ 2 pm me . . . 4 pm you hi ...
2693
     Subject: re : hello hello vince , how are yo...
                                                           0
2694
      Subject: mg metals - london research responsib...
                                                           0
2695
     Subject: re : response from lenos steve , i ...
                                                           0
```

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Subject: professor bitran 's visit colleague...
2696
2697
     Subject: re : steve leppard vince , i agree ...
2698
     Subject: receipts from visit dear vince, th...
                                                           0
2699
     Subject: the garp 2001 convention dear mr kam...
                                                           0
2700
     Subject: re : eol pricing algorithm hi bob , ...
2701
     Subject: contact info i will be in one of the...
                                                           0
     Subject: wharton event - junel 0 - insead vin...
2703
     Subject: re: mutually agreed upon changes oka...
2704
     Subject: re : mscf speaker series pierre - ph...
2705
     Subject: eol stuff vince - i spoke with tom ...
                                                           0
     Subject: raptor vince how do we cope with th...
2706
                                                           0
2707
     Subject: re: visiting enron may 4 th susan ,...
     Subject: your visit to sydney in july vince ...
2708
                                                           0
2709
     Subject: fw : citi , wells , enron , sl and i ...
2710
     Subject: check julie, this message was retu...
     Subject: stinson gibner & hector campos ken 1...
2711
2712
     Subject: confirmation of your order this is a...
2713
     Subject: request from our mexico city office ...
2714
     Subject: meeting with vince kaminski and stins...
2715
     Subject: re : informal exploratory interview w...
                                                           0
     Subject: re : project brainstorming for paulo ...
2717
     Subject: mg metals var preliminary modella - s...
2718
     Subject: new site 's url thank you all in ad...
2719
     Subject: employment authorization hi vince, ...
2720
     Subject: fw : my london " wish list " oops , ...
     Subject: risk 2000 , 12 - 15 june , boston - s...
2721
                                                           0
2722
     Subject: reminder - enronanywhere portal proje...
                                                           0
2723
     Subject: re : lsu seminar visit dear vince , ...
2724
     Subject: modeling in real options vince, my...
2725
     Subject: re : lawyer what do i need to do to ...
2726
     Subject: ny march real options conference ple...
2727
     Subject: re: meeting on feb 8, 2001 dear mr...
2728
     Subject: ebs stinson, the spreadsheet below...
                                                           0
2729
     Subject: white marker board wall for eb 19 c 2...
                                                           0
2730
     Subject: re : wednesday meeting eric ,
2731
      Subject: new expense account forms hello all ...
2732
     Subject: cv - keith baggerly i have attached ...
2733
     Subject: re : enroll in intro to java at produ...
     Subject: re : good morning / afternoon thanks...
2734
2735
     Subject: re: anshuman thanks for the clarifi...
                                                           0
     Subject: final project deadline is april 30
                                                           0
2736
2737
     Subject: re : hello from vince kaminski at enr...
                                                           0
2738
     Subject: re : follow on conversation w / aa
                                                           0
2739
     Subject: re : planning for your energy finance...
2740
     Subject: information shalesh, please, look...
2741
     Subject: re : vmi agreements hi vince , mark ...
2742
     Subject: re : options training classes for th...
                                                           0
2743
     Subject: charles chen interview vince / tanya...
```

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Subject: re : meeting andrew , i shall be gl...
2745
     Subject: technical corner paper vince, as y...
                                                           0
2746
     Subject: transportation for m . gillis and g ...
                                                          0
2747
     Subject: re : petrochem desk yes , i will hav...
                                                           0
2748
     Subject: re: enron project keith, it was a...
                                                           0
2749
     Subject: wharton risk center advisory committe...
                                                           0
     Subject: rice / eron finance seminar series f...
2751
     Subject: aga forecast for 7 / 21 is 42 vince ...
2752 Subject: re : country risk jr . economist hiri...
2753
     Subject: correlation matrix reduction zhiyang...
                                                           0
     Subject: re : uk power / gas vince , just fyi...
2754
                                                           0
     Subject: fwd : abstract return - path : from...
2755
2756
     Subject: monday 's newsletter hello vince! ...
                                                           0
     Subject: stewart seeligson joins ebs hi stins...
2758
     Subject: re : trading algorithms andy , soun...
     Subject: hello vince , nie bardzo wiem czy pi...
2759
                                                           0
2760
     Subject: re : aiesec biliana , i have prior ...
                                                           0
2761
     Subject: corp and muni bonds here 's what i ...
                                                           0
2762
     Subject: re : ff vols from historical fwd pric...
2763
     Subject: re : your mail zhendong , dr . kami...
                                                           0
     Subject: request submitted : access request fo...
     Subject: enroncredit . com report for 12 . 10 ...
2765
2766
     Subject: lacima energy and weather derivatives...
     Subject: mec advisory board meeting we are st...
2767
                                                           0
2768
     Subject: re : resume how did it go with rensh...
                                                           0
     Subject: anjam and kirstee, as i have suspec...
2769
                                                           0
2770
     Subject: vince , i hope you are well . until ...
                                                           0
2771
     Subject: re : the consultant 's model for gar...
2772
     Subject: mit research on bandwidth pricing ge...
2773
     Subject: sddp model john , attached is a cop...
2774
     Subject: follow up / cultivation for mit mit ...
2775
     Subject: re : thank you sevil . we are looki...
2776
     Subject: california on the brink - - cera aler...
                                                           0
2777
     Subject: your riskmetrics site password dear ...
                                                           0
2778
     Subject: re : new risk management book vince ...
2779
     Subject: dinner speaker - may 23 vince: mic...
2780
     Subject: re : grading graders usually follow ...
2781
     Subject: oleg bodnar shirley , please , put ...
2782
     Subject: super saturday changes the recruitin...
2783
     Subject: enron credit modeling when we laast ...
                                                           0
     Subject: reactions september is now live on - ...
                                                           0
2784
     Subject: fw : resume for vince kaminski vince...
2785
2786
     Subject: the inn at penn danielle fyi . this...
                                                           0
2787
     Subject: iafe membership dear colleague: we...
2788
     Subject: associate & analyst super saturday fr...
2789
     Subject: congratulations vince: congratulat...
2790
     Subject: re : december 6 th meeting theresa ,...
                                                           0
2791
     Subject: mr . sud rebecca , i share some of ...
```

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Subject: cera conference call playback now ava...
2792
2793
     Subject: re : enron / stanford program nick ,...
2794
     Subject: re : reprint available " alliance gas...
                                                           0
2795
     Subject: re : speakers for a ceo meeting with ...
                                                           0
2796
     Subject: re : summer associate position at enr...
                                                           0
2797
      Subject: re : message from ken rice vince : ...
                                                           0
     Subject: updating your profile information in ...
2799
     Subject: california update - urgent please rea...
2800
     Subject: your advice is appreciated vince, ...
2801
     Subject: the national forum on corporate finan...
                                                           0
2802
     Subject: software erequests for credit modelin...
                                                           0
2803
     Subject: energy futures contracts project hi ...
2804
                                                           0
     Subject: re : li sun : important notice : year...
2805
     Subject: this summer 's houston visits 2 hi ...
2806
     Subject: fyi - lacima run a 2 day course - uts...
     Subject: replacement of stolen chairs hi regg...
2807
2808
     Subject: re : resume sorry , i did not know a...
                                                           0
     Subject: headcount verification - deadline noo...
                                                           0
2809
2810
     Subject: re : support on statistical modeling ...
2811
     Subject: request submitted: access request fo...
                                                           0
2812
     Subject: enron tiger team dear jeff, our ti...
2813
     Subject: re : a friend of mine vince , thank...
2814 Subject: re: thank you! frank, thanks a l...
     Subject: confirmation of your online order wi...
2815
2816
     Subject: new update on ppi model for inflation...
                                                           0
2817
     Subject: lets meet and greet ! hello everyone...
                                                           0
2818
     Subject: invitation for you from rice universi...
                                                           0
2819
     Subject: thomas knudsen all i 've been info...
2820
     Subject: re: asian option for pavel stinson ...
2821
     Subject: joe carson \operatorname{greg} , two things i did \dots
2822
     Subject: re: willow and pathstar evaluations ...
2823
     Subject: time sensitive : executive impact & i...
                                                           0
2824
     Subject: request submitted: access request fo...
                                                           0
2825
     Subject: re : jeff skilling does msl 50 vince...
                                                           0
2826
     Subject: christmas vacation shirley, i plan...
2827
      Subject: re : charles shen molly , it would ...
2828
     Subject: confirmation of your order this is a...
2829
     Subject: here 's a list of materials vince ,...
     Subject: united way executive breakfasts plea...
2830
2831
     Subject: eprm 2001 houston please respond to ...
                                                           0
     Subject: re : various market data charges to t...
                                                           0
2832
     Subject: meeting with mr . sud rebecca , as ...
2833
2834
      Subject: re : resco database and customer capt...
                                                           0
2835
     Subject: off duty days good morning all: mo...
     Subject: inflation model review - final versio...
2836
2837
      Subject: re : enron case study - - - - orig...
2838
     Subject: change - video to teleconferences - e...
                                                           0
2839
     Subject: christmas - near good morning all . ...
```

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2840
     Subject: my departure from enron dear all , ...
2841
         Subject: your approval is requested thank you
2842
     Subject: a basic idea of price - offer matchin...
                                                           0
2843
      Subject: re : march real options conference > ...
                                                           0
2844
      Subject: re : full version i ' ll have a look...
2845
      Subject: pro opticus good morning all : belo...
                                                           0
     Subject: spring 2001 energy finance conference...
2847
      Subject: re : confirmation of your order yes ...
2848
     Subject: re : risk book translation dear prof...
                                                           0
2849
     Subject: fw : research allocations to egm vin...
                                                           0
2850
     Subject: next eprm article hi vince the next...
                                                           0
2851
     Subject: re : a resume for john lavorato than...
                                                           0
2852
                                                           0
     Subject: karthik rajan i spoke with karthik t...
2853
     Subject: re: fas 133 offsite zimin lu will a...
2854
     Subject: re : london visit fyi - - - - - - ...
2855
     Subject: time sheets !!! hello everyone! ...
2856
     Subject: re : congratulations vince , thanks ...
                                                           0
      Subject: boss 's day hey everyone, i know ...
2857
                                                           0
     Subject: paper hey vince, i understand that...
2858
                                                           0
2859
     Subject: interview on friday , may 5 th good ...
                                                           0
2860
     Subject: dhabol jeff, we shall forward to y...
2861
     Subject: rodeo vince, it was a pleasure to ...
2862
     Subject: congratulations ! you did again ! i ...
     Subject: re : asian option for pavel our conv...
2863
                                                           0
     Subject: naphtha hedge for 2001 folks, i am...
                                                           0
2864
2865
     Subject: re: hello molly, kim watson would...
                                                           0
2866
     Subject: real option conference vince,
                                                           0
2867
      Subject: re : eol phase 2 deal all , i have ...
2868
     Subject: check out here is the rfc that was w...
2869
     Subject: re: amitava is diverted where does ...
2870
     Subject: re : congratulations thanks vince i...
2871
     Subject: organizational changes as enron 's ...
2872
     Subject: re : releasing different versions of ...
                                                           0
2873
     Subject: re : caida ' metrics ' wg meeting , 2...
                                                           0
     Subject: re : my resume we ' ll get this offe...
2874
2875
     Subject: program attached; march ny ro confer...
2876
     Subject: re : ming sit dennis : i talked to ...
2877
     Subject: e - commerce & continental europe hi...
2878
     Subject: maths course dear vince, ? furthe...
2879
     Subject: latest draft - - comments ? vince , ...
                                                           0
                                                           0
2880
     Subject: entouch newsletter business highligh...
2881
      Subject: apr 20 - wharton - final agenda mich...
                                                           0
2882
      Subject: confirmation of your order this is a...
                                                           0
2883
     Subject: prob of default for e rating 7 as of ...
2884
     Subject: fw : resume for vince kaminski we ju...
2885
      Subject: fyi : forward hi vince , the follow...
2886
      Subject: enron contact info dear vince, chri...
                                                           0
2887
      Subject: course invoice vince, ? hi, hope...
                                                           0
```

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2888
     Subject: term papers team , can you resend y...
                                                          0
2889
     Subject: re : option pricing challenge zimin ...
                                                          0
2890
     Subject: as promised molly sorry about the mi...
                                                          0
2891
     Subject: reminder for dinner on saturday dec 2...
                                                          0
2892
     Subject: recommendation for john gordon dear ...
                                                          0
2893
     Subject: enron research and ebs engineering an...
                                                          0
     Subject: interview follow up from susan v . go...
2895
     Subject: re: marketpoint gas model john: t...
2896
     Subject: the business of power june 23, 2000...
                                                          0
2897
     Subject: good looking guy hi vince . look at...
                                                          0
2898
     Subject: thursday instead friday john sherrif...
                                                          0
2899
     Subject: hello vince vince, can i call you ...
                                                          0
2900
     Subject: wharton event - junel 0 - insead bry...
                                                          0
2901
     Subject: re: hib visa application - sevil yam...
2902
     Subject: interview schedules for tony hamilton...
     Subject: energydesk . com 2000 : meeting to re...
2903
                                                          0
2904
     Subject: re : term papers please respond to ...
                                                          0
     Subject: re : actions on anjam 's resignation...
2905
                                                          0
2906
     Subject: india database jim / wade , as you ...
                                                          0
2907
     Subject: re: invitation - wharton et events ...
                                                          0
     Subject: moze cie to zainteresuje vince, da...
2908
2909
     Subject: removal of caps on resale of transmis...
2910
     Subject: sokolov eis expenses hi kevin: i w...
2911
     Subject: re : internship dr . kaminski : sou...
                                                          0
2912
     Subject: re : powerisk 2001 - your invitation ...
                                                          0
2913
     Subject: re : hello vince thank you for the ...
                                                          0
2914
     Subject: meetings next week hi guys, vince ...
                                                          0
2915
     Subject: congratulations ! congratulations on...
2916
     Subject: re : meeting re : wharton strategy j...
2917
     Subject: fw : chapter 3 revisions hi grant , ...
2918
     Subject: re: 2001 headcount information dawn...
2919
     Subject: fw : wharton resume submission - - - ...
2920
     0
2921
     Subject: model for insurance against cruel oil...
                                                          0
2922
     Subject: re : agenda for ny mg metals visit
2923
     Subject: howard confirmation hi vince , i ' m...
2924
     Subject: meeting with vince set for 1 pm monda...
2925
     Subject: re : 1 . 00 pm tomorrow ? lauren , ...
     Subject: re : visiting enron may 4 th susan ,...
2926
2927
     Subject: parameter estimation vince, i have...
                                                          0
2928
     Subject: darden case study on " the transforma...
                                                          0
2929
     Subject: access on the block: international t...
2930
     Subject: msl 50 confirmation thank you for yo...
                                                          0
2931
     Subject: re : insurance derivs steve , i hav...
2932
     Subject: cera monthly summary - - july 2000 - ...
2933
     Subject: from vicky windsor dear vince, how...
2934
     Subject: offsite meeting - - great divide lodg...
                                                          0
2935
     Subject: re : infocast 's valuing electric po...
```

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Subject: interview with hao peng hello kathy ...
2936
                                                           0
2937
     Subject: wharton trip january 18, 2001 jeff ...
                                                           0
2938
     Subject: p . v . krishnarao ' s expenses good...
                                                           0
2939
     Subject: siam conference dear mr . kaminski ,...
                                                           0
2940
     Subject: request submitted: access request fo...
                                                           0
2941
      Subject: re : fw : chapter 3 revisions - - - ...
                                                           0
     Subject: it resources guys, in response to t...
2943
     Subject: wti model stinson, this is the lat...
2944
     Subject: re : cairn gas purchase bid doug , ...
                                                           0
2945
     Subject: invoice for ordered papers you have ...
                                                           0
     Subject: energy book vl . 0 vince : i have r...
2946
                                                           0
2947
     Subject: sharad 's houston visit sharad as ...
                                                           0
2948
     Subject: a applicable model kim, after yest...
                                                           0
2949
     Subject: gone tuesday vince, a reminder tha...
2950
     Subject: re : mid - year 2000 performance eval...
     Subject: a computer and internet connection fo...
                                                           0
2951
2952
     Subject: entouch newsletter business highligh...
                                                           0
     Subject: the spreadsheet for talon deal vince...
                                                           0
2953
2954
     Subject: re : storage meeting dear rex , i b...
                                                           0
2955
     Subject: re : approval is overdue : access reg...
                                                           0
2956
     Subject: re : our discussion mike , there mi...
2957
     Subject: re: programming for rdi model miche...
2958
     Subject: visit to wharton , december 6 i woul...
2959
     Subject: contract update sheila, some minor...
                                                           0
2960
     Subject: adres marysi robertlu @ friko 6 . on...
                                                           0
2961
     Subject: re : primary curves missing from fact...
                                                           0
2962
     Subject: reply requested : do you code or appr...
                                                           0
2963
     Subject: re : smoothing methodology for extrac...
2964
     Subject: progress fyi 1 - 2 days is optimist...
                                                           0
2965
     Subject: re : ken lay 's speech so is it big...
2966
     Subject: re : follow - up meeting on wharton ...
                                                           0
2967
      Subject: re : referral can you advise as to w...
                                                           0
2968
     Subject: spvs hi , vince , merry christmas a...
                                                           0
2969
     Subject: jacob kang vince, jacob has good b...
                                                           0
2970
     Subject: re: no problem vince, the thur mtg...
2971
     Subject: reactions website http://www.r...
2972
     Subject: re : fw : parent - subsidary model h...
                                                           0
2973
     Subject: re : i am zhendong zhendong , thank...
     Subject: energy futures contracts project ple...
2974
                                                           0
2975
     Subject: sevil yaman hi norma , sevil 's pr...
                                                           0
     Subject: re : cv of rodney greene re quantitat...
                                                           0
2976
2977
     Subject: re: introduction thanks, subroto ...
                                                           0
2978
     Subject: re : houston visit soussan ,
                                                           0
                                              it see…
2979
     Subject: executive program on credit risk mode...
2980
     Subject: grades pam , another term paper : ...
2981
     Subject: jcc forward curve the following spre...
2982
     Subject: thank you graham pl . # 207 austin ...
                                                           0
2983
     Subject: reply from charles shen shirley: t...
                                                           0
```

```
Subject: re : willow and pathstar evaluations \boldsymbol{\boldsymbol{\ldots}}
2984
                                                           0
2985
     Subject: re : asian option for pavel our conv...
                                                           0
2986
     Subject: re : mr . sud vince , it never hurt...
                                                           0
2987
      Subject: re : telephone interview with the enr...
                                                           0
2988
     Subject: re : book notes vince : look forward...
                                                           0
2989
     Subject: re : weather and energy price data
                                                           0
     Subject: meeting on the 20 th of march robert...
2991
     Subject: re : transport model ken and greg , ...
     Subject: wharton interviews - - - - - - - ...
2992
2993
     Subject: re : storage book . . . hi stinson ,...
                                                           0
2994
     Subject: re : dabhol report narottam ,
                                                           0
2995
     Subject: re : part - time work vince , zimin...
2996
                                                           0
     Subject: re : congratulations vince , congra...
2997
     Subject: re : risk 's advanced stress testing...
2998
     Subject: re : enron / stanford program vince ...
     Subject: breckenridge offsite hello all: fy...
2999
3000
     Subject: colored printer taj mahal hello ever...
                                                           0
     Subject: re : joint probabilities bob - i ' ...
                                                           0
3001
     Subject: re : eprm 2001 houston layla , my a...
                                                           0
3002
3003
     Subject: resending paper - - - - - - ...
                                                           0
3004
     Subject: last day notification shelia walton ...
3005
     Subject: new mexico energy graphic presentatio...
3006
     Subject: re : maureen raymond - castaneda exte...
     Subject: finance club : e - trading and fixed \dots
3007
                                                           0
3008
     Subject: colleagues , i will be leaving enron...
                                                           0
     Subject: re: research allocation becky, i.m.
3009
                                                           0
     Subject: d - g energy systems vince, i just...
3010
                                                           0
3011
     Subject: london update vince, more fuel for...
3012
     Subject: re : enron offsite - the great divide...
3013 Subject: update on energy book vince, ? ju...
3014
     Subject: re : clustering for power jaesoo , ...
3015
     Subject: re : move research employee from one ...
3016
     Subject: re : recent hardware repair joe , w...
                                                           0
3017
     Subject: re: white wall board anita, no pr...
                                                           0
3018
     Subject: re: craig - thanks for the feedbac...
3019
     Subject: interview - credit derivatives dear ...
3020
     Subject: feedback forms vince, here are the...
3021
     Subject: boss 's day vince, happy boss day...
     Subject: @ ect . enron . com email notificatio...
3022
3023
     Subject: * * get together * * dear friends : ...
                                                           0
                                                           0
3024
     Subject: congratulations vince: congratulati...
3025
     Subject: yesterday i enjoyed meeting you both...
                                                           0
3026
                                                           0
     Subject: re : argentina power & gas market mod...
3027
     Subject: re : get together this coming tuesday...
3028
     Subject: new basis report bhavna : the basis...
3029
     Subject: re : ruewan ' s resume no interest f...
3030
     Subject: re : fw : pserc nuggets related to ma...
                                                           0
3031
     Subject: re : mec steve , i spoke with david...
                                                           0
```

```
Subject: re : spring 2001 conference participa...
3032
                                                           0
3033
     Subject: re : greetings from garp frank , lo...
                                                           0
     Subject: re : benchmarking study sally , tha...
3034
                                                           0
3035
           Subject: re: research allocation thank you
3036
     Subject: re: tff 2001 meeting date question ...
                                                           0
      Subject: spread option code change zhiyang an...
3037
                                                           0
     Subject: re : infocast ' s valuing electric po...
3039
      Subject: ravi thuraisingham 's skytel two way...
3040
     Subject: energycast please could you sort out...
3041
     Subject: enterprise risk paul bristow gave me...
                                                           0
3042
     Subject: re: (no subject) candice, maure...
                                                           0
3043
     Subject: a resume for your consideration vinc...
3044
     Subject: re : fw : opportunities gerry ,
                                                           0
3045
     Subject: re : contract update got the copies ...
     Subject: new resume dear vince, i am so gra...
3046
     Subject: re : status vince - understood .
3047
                                                           0
3048
     Subject: request for update vince, hopefull...
                                                           0
     Subject: comments hi sheridan, how are you ...
                                                           0
3049
     Subject: re : vince , sorry for getting back...
                                                           0
3050
3051
     Subject: faculty contact and schedule persenta...
                                                           0
3052
     Subject: re : jaesoo lew vince , we should st...
3053
     Subject: organizational announcement enron is...
3054
     Subject: moody 's upgrade to the great and p...
3055
     Subject: research mike, vince and i are eag...
                                                           0
     Subject: warning system greg , as a follow u...
                                                           0
3056
3057
     Subject: year end 2000 performance feedback n...
                                                           0
     Subject: re : recruiting at carnegie - mellon ...
                                                           0
3058
3059
     Subject: thank you for the opportunity hello ...
3060
     Subject: holiday gift basket thank you , so v...
3061
     Subject: re : carl tricoli i think i will coo...
     Subject: re : recruiting for weather risk mana...
3062
3063
     Subject: risk management it offsite meeting no...
3064
     Subject: re : global risk management operation...
                                                           0
3065
     Subject: re : new business h ? lyette , i am...
                                                           0
3066
     Subject: re : lng may 19 decision vince - tha...
3067
     Subject: re : message from ken rice dorothy ,...
3068
     Subject: financial mathematics course - urgent...
3069
     Subject: re: wednesday meeting eric, we ar...
     Subject: december 6 th meeting dear mr . kami...
3070
3071
     Subject: today 's gathering hello, vince! ...
                                                           0
     Subject: welcome to - energy news live dear v...
                                                           0
3072
     Subject: re : simon , i shall bring a floppy...
3073
                                                           0
3074
     Subject: czesc ludmilo , wicku i wicusiu co s...
                                                           0
3075
     Subject: important information about united he...
3076
     Subject: sample day - ahead lmp postings mess...
3077
     Subject: california update 3 / 06 / 01 execut...
3078
     Subject: wharton business plan competition hi...
                                                           0
3079
     Subject: another addition from enron tiger mem...
                                                           0
```

```
Subject: re : enron default swaps no hurry ab...
3080
3081
     Subject: december 11 prc meeting please mark ...
3082
     Subject: re : weather course julie , i forwa...
                                                           0
     Subject: re : fw : mtg . scheduled frank ,
3083
                                                           0
3084
     Subject: re : credit risk technical article
                                                           0
     Subject: re : christmas list will do , vince ...
3085
                                                           0
     Subject: re : enron open positions vince ,
3087
     Subject: re : comments hi vince , sorry to h...
3088
     Subject: hello from enron dear dr . mcmullen ...
3089
     Subject: it support for research weather group...
                                                           0
3090
     Subject: re : energy derivatives hi vince , ...
                                                           0
3091
     Subject: re : ed krapels louise , thanks . h...
3092
     Subject: re : cplex floating license chonawee...
                                                           0
3093
     Subject: re : alp presentation for your infor...
3094
     Subject: john martin , energy finance article ...
3095
     Subject: re : seminar series mug marge , the ...
                                                           0
3096
     Subject: organizational announcement to help ...
                                                           0
     Subject: re : charm jim , i shall be glad to...
3097
                                                           0
     Subject: re : wharton finance conference spons...
3098
                                                           0
3099
     Subject: market maker simulation v . 2 stinso...
                                                           0
     Subject: swaps monitor research . elena , pl...
3100
3101
     Subject: wti - new eol product please provide...
3102 Subject: re : summer visits steve , i can pi...
3103
     Subject: re : hi : zeigham , mike roberts fr...
                                                           0
     Subject: development of a program in " econo -...
                                                           0
3104
     Subject: stentofon goodmorning liz , we are ...
                                                           0
3105
3106
     Subject: credit exposure model alex, i have...
                                                           0
3107
     Subject: re: new pc with two 128 mb of ram v...
3108
     Subject: the equipment you ordered is in stock...
3109
     Subject: update hello all , the program for ...
     Subject: storage modeling john, i want to t...
3110
3111
     Subject: cuiaba models hey ding . if you reca...
                                                           0
3112 Subject: reference on bruce kimich mike, bel...
                                                           0
3113
     Subject: interviews scheduled for monday , nov...
                                                           0
3114
     Subject: contract agreement for energy derivat...
3115
     Subject: re : vacation shirley , no problem ...
     Subject: australian energy 2000 dear vince, ...
3117
     Subject: enron , case study at nordic business...
     Subject: power plant model ken of rdi and i h...
3118
3119
     Subject: re : harvard business school case stu...
                                                           0
3120
     Subject: re: thomas knudsen steve, yes, p...
                                                           0
3121
     Subject: grades pam , the last group . plea...
                                                           0
3122
     Subject: re : contact jana , a correction . ...
                                                           0
3123
     Subject: re: grades pam, the students rese...
3124
     Subject: deadline information : ehronline is n...
3125
     Subject: re : telephone interview with the enr...
3126
     Subject: re : meeting requested kevin , let ...
                                                           0
3127
     Subject: work at enron hi , vince i just wan...
                                                           0
```

```
Subject: please note that my email address has...
3128
3129
     Subject: re : price processes for ng grant & ...
3130
     Subject: re : enron finance conference sponsor...
                                                           0
     Subject: re : summer internship vince , i ap...
3131
                                                           0
3132
     Subject: lsu visit (resume) mr. kaminski ,...
                                                           0
     Subject: if you arrange administrative or cler...
3133
                                                           0
     Subject: rice math course: hector vince,
3135
     Subject: (no subject) greg, blake johnson...
     Subject: re : interview with the enron researc...
3136
3137
     Subject: re : dinner this fri . in london ?
                                                           0
     Subject: risk boston please read the attached...
3138
                                                           0
3139
     Subject: rabi de phone interview shirley,
     Subject: re : exotic options presentation vin...
3140
                                                           0
     Subject: time sensitive : executive impact & i...
3142
     Subject: super saturday changes - update i am...
     Subject: re : power flow software question th...
3143
3144
     Subject: california update 1 / 31 / 01 please...
                                                           0
                                                           0
3145
     Subject: it support for research weather group...
     Subject: re : convergence of the research mode...
                                                           0
3146
3147
     Subject: monday 4 th september 2000 > monday ...
                                                           0
3148
     Subject: re : interview schedule change for br...
3149
     Subject: london visit hi maureen how many da...
3150
     Subject: re: 2001 fma european conference th...
     Subject: (no subject) stinson, henwood ca...
3151
3152
     Subject: tiger evals - attachment tiger hosts...
                                                           0
     Subject: re: ken lay 's speech the $1.3 ...
3153
                                                           0
3154
     Subject: your approval is overdue : access req...
                                                           0
3155
     Subject: vince, here is why analytical var d...
3156
     Subject: kin tso - ut candidate for direct hir...
3157
     Subject: bachelier finance society congress , ...
     Subject: london research group john , i am w...
3158
3159
     Subject: re : baylor professors lunch beth , ...
3160
     Subject: customer profiling meeting bob shult...
3161
     Subject: meeting confirmed : mit / aa new valu...
                                                           0
3162
     Subject: prc meeting hello everyone : it loo ...
3163
     Subject: customer profiling meeting - amendmen...
     Subject: re: evaluation for barbara pierce p...
3165
     Subject: * special notification * aurora versi...
     Subject: akamai kevin , i have followed up o...
3166
3167
     Subject: re : houston visit hi vince , sorry...
                                                           0
     Subject: re : country risk jr . economist hiri...
                                                           0
3168
     Subject: request submitted: access request fo...
3169
                                                           0
3170
     Subject: re : hello from vince kaminski at enr...
                                                           0
3171
     Subject: re: visit to houston and vince kamin...
3172
     Subject: risk contact steve, i talked to sh...
3173
     Subject: re : fed ex from iris sounds good to...
3174
     Subject: re : offsite meeting - - great divide...
                                                           0
3175
     Subject: briefing robert johnston on metals v...
                                                           0
```

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Subject: re : uk portfolios and books setup in...
3176
3177
     Subject: re : update john , i shall be trave...
                                                          0
3178
     Subject: re : further actions on anjam 's dep...
                                                          0
     Subject: new procedures for enron it purchasin...
3179
                                                          0
3180
     Subject: enron europe research group intranet ...
                                                          0
3181
     Subject: java class starting feb 20 th .
                                                          0
     Subject: info about enron 's bandwidth market...
3183
     Subject: interview with norberto valdes hello...
3184
     Subject: re : ut short course travel arrangeme...
                                                          0
3185
     Subject: my gratitude dear : i would like to...
                                                          0
     Subject: re : charm jim , charm looks more 1...
3186
                                                          0
3187
     Subject: change of role just a quick note to ...
3188
     Subject: uk gas data hi vince, i only just ...
                                                          0
     Subject: class speaker vince, as a reminder...
3190
     Subject: mgmt 656 enclosed please find the fi...
     Subject: re : informs abstract (fwd) - - - ...
3191
                                                          0
3192
     Subject: re : good morning / afternoon john ,...
                                                          0
     Subject: re: reminder thanks, so much for y...
3193
                                                          0
     Subject: fw : modified version lance,
3194
                                                          0
3195
     Subject: re: saturday lunch nick, thanks f...
                                                          0
3196
     Subject: weather deriv . presentation vince ,...
     Subject: ipps in ercot jim , can we meet on ...
3197
3198
     Subject: re : fw : eprm article chris , i ha...
     Subject: vince and stinson , i got this resum...
3199
                                                          0
3200
     Subject: re : request for suggestions : vince ...
                                                          0
3201
     Subject: a request vince, i am writing to a...
                                                          0
3202
     Subject: renshi zhang 's resume fyi . pleas...
                                                          0
3203
     Subject: confidential: valuation of collatera...
3204
     Subject: fw : aram g . sogomonian per my voic...
3205
     Subject: approval for reviewer raymond, maur...
     Subject: my new info please respond to dear f...
3206
3207
     Subject: anthony dayao happy hour - - - - - ...
3208
     Subject: fwd : mgmt 656 - - - " jack blanton ...
                                                          0
3209
     Subject: re: revision of 1st request i appro...
                                                          0
     Subject: re : documents from iris mack iris ,...
3210
3211
     Subject: resume from ningxiong xu vince: th...
     Subject: new computer hello again, lyn i wi...
3213
     Subject: re : prospective 6 / 22 houston visit...
     Subject: request for payroll reclassification ...
3214
3215
     Subject: re : accounting adjustment vince , m...
                                                          0
3216
                                                          0
     Subject: re : real options conference in cambr...
     Subject: fyi: howard haughton thanks vince ...
3217
                                                          0
3218
     Subject: re : power conference sevil , no pr...
                                                          0
3219
     Subject: enron metals hi tanya thanks for yo...
3220
     Subject: re : daily lunches kevin , please ,...
3221
     Subject: everybody , as vince suggested , i m...
3222
     Subject: re : dram trading authority vince t...
                                                          0
3223
     Subject: re: fmrc mark, thanks for the inf...
                                                          0
```

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3224
     Subject: wti trading simulation presentation ...
                                                           0
3225
     Subject: approval is overdue : access request ...
3226
     Subject: re : " analytical " var implementatio...
                                                           0
3227
      Subject: presentation on metals - - - - - - ...
                                                           0
     Subject: re: here 's a 4 th try!!! rick ...
3228
3229
      Subject: re : rice / enron speakers for fall 2...
                                                           0
     Subject: access to o; . . . vince, this e - ...
     Subject: b 2 b at enron tom , i am sending y...
3231
3232
     Subject: re: mba career opportunity vince, ...
                                                           0
3233
     Subject: re : seneca lake storage deirdre , ...
                                                           0
3234
     Subject: re : get together this coming tuesday...
                                                           0
3235
     Subject: @ jones : news and information from t...
                                                           0
3236
     Subject: visit to carnegie mellon dear dr . k...
                                                           0
3237
      Subject: re : i have you scheduled . dolores...
3238
     Subject: thanks again vince: i 'm looking ...
3239
     Subject: vol skew no - arbitrage constraints ...
                                                           0
3240
     Subject: harvard business school - - enron cas...
                                                           0
3241
     Subject: research get - together at sandeep ko...
                                                           0
     Subject: action learning project congratulati...
3242
                                                           0
3243
     Subject: message from john martin - - - - f...
                                                           0
3244
     Subject: summary of dabhol lenders ' presentat...
3245
     Subject: re: presentation will do - - thank ...
3246
     Subject: vince, i 'll see you around 8: 45...
3247
      Subject: letter for lloyd shirley, please, ...
                                                           0
3248
     Subject: re : i am zhendong zhendong , thank...
                                                           0
3249
     Subject: hello from enron dear dr . mcmullen ...
                                                           0
3250
     Subject: re : hello from vince kaminski at enr...
                                                           0
3251
     Subject: calendars and reviews could all of y...
3252
     Subject: enron on line and tracking this meet...
3253
     Subject: ebs goes live! . . . 15 , 000 will b...
     Subject: power 2000 power 2000 - may 8 - 11 ...
3254
                                                           0
3255
     Subject: mike roberts john , i have received...
                                                           0
3256
     Subject: vince, this morning i got a call fr...
                                                           0
3257
     Subject: christmas baskets kevin : i do not ...
                                                           0
3258
     Subject: help on cluster analysis just wanted...
3259
      Subject: re: real options hi navroz having ...
3260
     Subject: good morning / afternoon vince, on...
3261
     Subject: re : lawyer ian , sorry for a delay...
3262
     Subject: cera conference call - - scheduled fo...
3263
     Subject: joao neves dear vince: ? i am in ...
                                                           0
     Subject: welcome to pjm - customer - info - -...
                                                           0
3264
3265
     Subject: re : cover design / copy for energy d...
                                                           0
3266
      Subject: visit with vince kaminski on may 4 th...
                                                           0
3267
     Subject: re: job application thank you . nu...
3268
     Subject: re : long term demand forecast - look...
3269
      Subject: re : maureen raymond - castaneda exte...
3270
     Subject: henwood 's 2001 ercot symposium : ja...
                                                           0
3271
     Subject: biliana 's resume mr . kaminski , ...
                                                           0
```

```
Subject: jacob feedback vince, chonawee and...
3272
3273
     Subject: job spec for junior quant hi dale , ...
3274
     Subject: re : info help . hi niclas , i am i...
                                                           0
     Subject: schedule to chelmsford hi all , here...
3275
                                                           0
     Subject: eprm vince, ? could you please pr...
3276
                                                           0
3277
      Subject: software license ms . geman ,
                                                           0
     Subject: potential new analyst hi guys a num...
3279
     Subject: re : ut short course travel arrangeme...
3280
     Subject: re : extreme value theory applied to ...
                                                           0
3281
     Subject: california update 4 / 27 / 01 the fo...
                                                           0
     Subject: phone time dear dr . kaminski thank...
3282
                                                           0
3283
     Subject: re: stinson gibner richard we actu...
3284
     Subject: confirming your attendance - oct . 19...
                                                           0
3285
     Subject: re : estimating tail of distribution ...
3286
     Subject: re : meeting requested i will ask re...
3287
     Subject: welcome to the new cera . com ! dear...
                                                           0
3288
     Subject: reliant tigers interested in enron v...
                                                           0
                                                           0
3289
     Subject: eol wti maket maker simulation model ...
3290
     Subject: 4 - urgent - owa please print this no...
                                                           0
3291
     Subject: conference call on friday, march 17 ...
                                                           0
     Subject: fw : research allocations to egm vin...
3292
3293
     Subject: vince , i ' ve been out of the offic...
3294
     Subject: eol project vince, just to update ...
3295
     Subject: re : from george huan , ut austin mba...
                                                           0
3296
     Subject: re : confidential sophie , thanks ...
                                                          0
3297
     Subject: re: new web address shannon, than...
                                                           0
     Subject: job posting i am teaching a class at...
3298
                                                           0
3299
     Subject: enron storage analysis model audit p...
3300
     Subject: revised speaker contact details for p...
3301
     Subject: invitees for grant 's party vince :...
3302
     Subject: term project: this is the list of p...
                                                           0
3303
     Subject: p . c . what do i need to do in orde...
                                                           0
3304
     Subject: contacting iris mack vince, iris m...
                                                           0
3305
     Subject: re: avistar training i will keep yo...
                                                           0
3306
     Subject: re : confirm participation at real op...
3307
     Subject: garp presentation vince, would i b...
3308
     Subject: iraq and crude output an interesting...
3309
     Subject: re : risk 2000 , 12 - 15 june , bosto...
     Subject: re : videoconferences w / enron meli...
3310
3311
     Subject: fwd : invitation to the 20 th annual ...
                                                           0
3312 Subject: message 1 dear dr . kaminski this i...
                                                           0
     Subject: re : d dhar , amitava cc : chaney , ...
3313
                                                           0
3314
     Subject: re : dr . bernard loyd at mckinsey ( ...
                                                           0
     Subject: re : gwen koepke anne , thanks for ...
3316
     Subject: grep for windows . folks , those of ...
3317
     Subject: re : approval is overdue : access req...
3318
     Subject: resume of mark giancola richard:
                                                           0
3319
     Subject: the neural network site www . pfr . ...
                                                           0
```

```
Subject: summer intern : paulo oliveira vince...
3320
3321
     Subject: re : book for lacima course attendees...
3322
     Subject: 1 - urgent - outlook email notificati...
3323
     Subject: re : clayton vernon thanks for the e...
                                                          0
3324
     Subject: my new info dear friends and colleag...
3325
     Subject: re: test shirley, please, remind...
     Subject: energy operations promotions i am pl...
3327
     Subject: list of teams and projects vince, ...
3328
     Subject: summer internship hello charlene, ...
3329
     Subject: congestion pricing & forecasting prog...
                                                          0
3330
     Subject: approval for restricted websit : web ...
                                                          0
3331
     Subject: draft agenda for meeting between icf ...
3332
     Subject: re : fw : fw : get together this comi...
                                                          0
3333
     Subject: telephone interview with enron corp ...
3334
     Subject: i believe all of you received a reque...
3335
     Subject: re : grades thank you mr . kaminsky ...
3336
     Subject: re : power point slides about enron ...
3337
     Subject: re : amit 's visit sounds great . ...
     Subject: class speaker vincent, we met last ...
3338
3339
     Subject: re : prc dave , no problem . i shal...
                                                          0
3340
     Subject: constellation delta positions jim , ...
3341
     Subject: re : term project : please respond t...
3342
     Subject: re : improve communication zimin , ...
3343
     Subject: re : texas finance festival fyi : be...
                                                          0
3344
     Subject: re : enron visit - - thanks larry , ...
                                                          0
     Subject: f / up - - - - - - - - - - - ...
3345
                                                          0
3346
     Subject: giuseppe 's bio vince, i will tak...
                                                          0
3347
     Subject: re : your mail dear vince , the fol...
3348
     Subject: re: fw: invitation to 2001 energy f...
3349
     Subject: phone interview shirley, please, ...
3350
     Subject: risk 2000 panel discussion draft age...
3351
     Subject: interview schedule for rabi s . de a...
3352
     Subject: re : invitation to present at risk ' ...
3353
     Subject: enron announcement car rental option...
                                                          0
3354
               Subject: itinerary phelim, fyi vince
                                                            0
3355
     Subject: aiesec vince, my name is shelly jo...
                                                          0
3356
     Subject: re: power 2000 zimin, you are the...
3357
     Subject: hib visa application - sevil yaman
3358
     Subject: year end 2000 performance feedback n...
3359
     Subject: a visit joe , this is a message fro...
3360
     Subject: confirmation : arthur andersen 21 st ...
                                                          0
     Subject: making room for " summer interns " h...
3361
3362
     Subject: big rumor vince - i know you ' re v...
3363
     Subject: el paso statement on california situa...
3364
     Subject: fw : usaee conference dear mr . kami...
3365
     Subject: re : tiger team event michele , i h...
3366
     Subject: confirmation of your order this is a...
                                                          0
3367
     Subject: intelligence : el paso capacity - - s...
                                                          0
```

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Subject: re : sorry . chonawee , this was pe...
3368
3369
     Subject: livelink access sorry for the miscom...
3370
     Subject: re : opportunities at enron vince ka...
                                                          0
     Subject: ola oladeji we are in the process of ...
3371
                                                          0
3372
     Subject: re: real options conference in cambr...
                                                          0
3373
     Subject: projects update vince, a quick pro...
     Subject: re : enron / stanford program nick ,...
3375
     Subject: resume : dipak agarwallah ph . d . ec...
3376
     Subject: year end 2000 feedback deadline prc ...
3377
     Subject: re : weather course julie ,
                                             enron 1...
                                                          0
3378
     Subject: re : joint probabilities michael th...
                                                          0
3379
     Subject: re : green card vince , thanks for ...
3380
     Subject: associate and analyst program contact...
                                                          0
3381
     Subject: re : meeting (fwd) - - bradley ro...
3382
     Subject: re : vlady gorny perfect . thanks , ...
3383
     Subject: recommendations vince and joe, thi...
3384
     Subject: alp presentation christie, shirley...
                                                          0
     Subject: re : forecast rates ! vince , we re...
                                                          0
3385
     Subject: marking chairs hello all: unfortun...
3386
                                                          0
3387
     Subject: term paper dr . kaminski ,
                                            attached...
                                                          0
     Subject: martin lin norma , thanks for your ...
3388
3389
     Subject: li sun vince, thanks for your resp...
3390
     Subject: visiting enron dr . kaminski , i wou...
3391
     Subject: credit exposure model bill, alex a...
                                                          0
3392
     Subject: please read mike: enron is one of ...
     Subject: a " bit " of history on the fourth of...
3393
                                                          0
3394
     Subject: london fyi research weather link vin...
                                                          0
3395
     Subject: allocation schedule shirley, will ...
3396
     Subject: charlie weldon charlene, thank you...
3397
     Subject: re : status clayton , we can discus...
     Subject: california power update 1 / 17 / 01 p...
3398
3399
     Subject: weather derivatives : under cover - ...
3400
     Subject: interview schedule for stephen bennet...
                                                          0
3401
     Subject: news article on enron india: enron ...
                                                          0
3402
     Subject: re: your visit to enron frank, gr...
3403
     Subject: re: invitation to 2001 energy financ...
3404
     Subject: wharton risk center advisory committe...
3405
     Subject: meeting with petronas rick, i was ...
     Subject: re : referral vince : according to ...
3406
3407
     Subject: re: mec mark, one option is to ta...
                                                          0
     Subject: karolyi dinner tonight i ' m writing...
                                                          0
3408
     Subject: your approval is overdue : access req...
3409
3410
     Subject: fw : eprm article hi vince , i ' m ...
                                                          0
3411
     Subject: uk gas desk hi vince & stinson,
3412
     Subject: re : approval for restricted websit :...
3413
     Subject: contact info . during my vacation ce...
3414
     Subject: re : high - end desktop computing ? ...
                                                          0
3415
     Subject: ieor monday seminar - october 23 , 20...
```

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Subject: dr . rafael campo \ \ \mbox{good morning} , ? …
3416
3417
     Subject: re : visit to enron fyi vince - - ...
                                                           0
3418
     Subject: re : alp presentation christie , wh...
                                                           0
     Subject: re : summary spreadsheet for data ven...
3419
                                                           0
3420
     Subject: recruiting at cmu computational finan...
                                                           0
3421
      Subject: interview - credit derivatives ? ? ?...
                                                           0
     Subject: enron opportunities dr . kaminski : ...
3423
     Subject: re: training courses shirley, no ...
3424
     Subject: re : storage model : simple issues b...
                                                           0
3425
     Subject: credit support value for mg and paper...
                                                           0
3426
     Subject: energy finance critiques david, he...
                                                           0
3427
     Subject: technical analysis more fallout - - ...
                                                           0
3428
     Subject: approval for reviewer krishnarao , p...
                                                           0
3429
     Subject: re : mg integration support - daily u...
3430
     Subject: re : for your approval erica , yes ...
3431
     Subject: latest draft don , attached is my 1...
                                                           0
3432
     Subject: re : hello sounds great - - i ' 11 c...
                                                           0
                                                           0
3433
     Subject: faculty contact and schedule persenta...
3434
     Subject: your riskmetrics site password dear ...
                                                           0
3435
     Subject: complexity science seminar confirmati...
                                                           0
3436
     Subject: re : cplex floating license samer ' ...
3437
     Subject: re: information dear mr kaminski: ...
3438
     Subject: re : telephone interview with the enr...
3439
     Subject: re : copy room kevin , you have ful...
                                                           0
3440
     Subject: re : i would like to help , but i am...
                                                           0
3441
     Subject: organizational announcement - introdu...
                                                           0
3442
     Subject: p + option valuation model mark,
                                                           0
3443
     Subject: re: willow and pathstar evaluations ...
3444
     Subject: vince, the book "power economics "...
3445
     Subject: updated electricity homepage ( great ...
3446
     Subject: re: visit to houston and vince kamin...
3447
      Subject: reschedule - meeting with riskcare to...
                                                           0
3448
     Subject: re : steve leppard dale , my recomm...
                                                           0
3449
     Subject: re : bryan seyfried visiting houston ...
                                                           0
3450
     Subject: re: potential prospect hey vince, ...
3451
      Subject: enron global messaging announcement ...
3452
     Subject: year end 2000 performance feedback n...
3453
     Subject: re: maths course vicky, my affili...
3454
     Subject: telerate service hello everyone : p...
3455
     Subject: re : simulated trading jana , i sha...
                                                           0
     Subject: your king 's college london conferen...
                                                           0
3456
3457
      Subject: dg energy software vince, here is ...
                                                           0
3458
      Subject: summer internship hi , i ' d like t...
                                                           0
3459
     Subject: fea announces the release of @ energy...
3460
     Subject: sap expense report form with the imp...
3461
      Subject: re : conference may 31 on energy deri...
3462
     Subject: esource presents esearch esource lau...
                                                           0
3463
     Subject: summer internship position celeste ,...
```

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Subject: ken , attached is a correction to pa...
3464
3465
     Subject: alp presentation on behalf of enron ...
3466
     Subject: re : ebs var transaction policy that...
                                                          0
     Subject: re : charles shen thanks so much , v...
                                                          0
3467
3468
     Subject: research prc next steps the pep syst...
                                                          0
     Subject: var david , during today 's var co...
3469
                                                          0
     Subject: zingales seminar fyi! - - - - - ...
3471
     Subject: credit applications in grms this no...
3472 Subject: congratulations congrats on your pro...
3473
     Subject: departure the research group is a un...
                                                          0
     Subject: trisha lunch - - - - - - - - - - ...
3474
                                                          0
3475
     Subject: updated org chart vince, i updated...
3476
     Subject: re : vacation vincent : congratulat...
                                                          0
3477
     Subject: re: stinson vacation plans stinson ...
3478
     Subject: rosters ( rice university ) i have e...
     Subject: 3 - urgent - to prevent loss of infor...
3479
3480
     Subject: re : off - site : john griebling ' s ...
                                                          0
3481
     Subject: mid - year 2000 performance feedback ...
                                                          0
3482
     Subject: re : is this data of interest to any ...
                                                          0
3483
     Subject: research group hello norma : in ans...
                                                          0
     Subject: zingales seminar enron seminar serie...
3484
3485
     Subject: re: the garp 2001 convention: invit...
3486
     Subject: re : from a previous summer intern d...
     Subject: a chapter to be published in a book b...
3487
3488
     Subject: re : alp presentation dennis , than...
3489
     Subject: re : ebs research telecom rercruiting...
                                                          0
     Subject: re: worldpower mark, i agree with...
3490
                                                          0
3491
     Subject: dram trading authority here is the 1...
     Subject: re : visit to houston - - - - - ...
3492
3493
     Subject: financial mathematics - houston , aug...
     Subject: lance cunningham vince: i have lef...
3494
3495
     Subject: re : tani , yes , i am aware of it ...
3496
     Subject: re : informs abstract (fwd ) shijie...
                                                          0
3497
     Subject: re : fwd : australian energy 2000 de...
                                                          0
     Subject: re : zakup ksiazki " inzynieria finan...
3498
3499
     Subject: re: mgmt 656 (rice university) pa...
                                                          0
     Subject: giuseppe paleologo molly, giuseppe...
3501
     Subject: re : preface for book julie , the i...
     Subject: livelink access - - - - - - ...
3502
3503
     Subject: re : london , new york , houston , fi...
                                                          0
                                                          0
3504
     Subject: uk ppi curve generator with smoothing...
     Subject: re : mg metals : additional areas to ...
3505
                                                          0
3506
     Subject: re : follow - up thanks , vince , th...
                                                          0
3507
     Subject: call option - promigas zimin, thank...
3508
     Subject: friday brown bag for options pricing ...
3509
     Subject: california 1 / 17 / 01 summary : la...
3510
     Subject: re : d - g energy karla , the wordi...
                                                          0
3511
     Subject: re : enron , india database sandeep ...
```

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Subject: part - time work vince : i enjoyed ...
3512
3513
     Subject: texas finance festival registration ...
3514
     Subject: review of paper by titman, et al re...
                                                           0
     Subject: re : options calculator hi , michael...
3515
                                                           0
3516
     Subject: telephone interview with the enron co...
                                                           0
3517
      Subject: treasury memo kevin , the memo look...
                                                           0
     Subject: tony hamilton / joe carson questions ...
3519
     Subject: re : equity investment fair value in ...
     Subject: california update 5 / 4 / 01 if you ...
3520
3521
     Subject: re: meeting nov 8 th vince, i loo...
                                                           0
     Subject: an interview shirley, please sched...
3522
                                                           0
     Subject: fwd : hea renewals & crawfish boil te...
3523
3524
     Subject: holiday gift thank you so much for y...
                                                           0
3525
     Subject: re : 1 . your thur . / fri . austin t...
3526
     Subject: re : eprm 2001 houston layla , a fe...
     Subject: weather and energy price data elena ...
3527
3528
     Subject: re : dave , both days . vince dav...
                                                           0
3529
     Subject: conference steve, the slides are o...
                                                           0
3530
     Subject: re : biliana ' s resume biliana ,
3531
     Subject: re: tony hamilton tony hamilton rep...
                                                           0
     Subject: london research intranet felipe fol...
3532
3533
     Subject: harvard - - nyu itinerary hi! atta...
3534
     Subject: job description for sr . adm . asst -...
     Subject: assume i will not be chairing . . . . ...
3535
                                                           0
     Subject: meeting to discuss presentation mater...
                                                           0
3536
     Subject: request vince, would you mind maki...
3537
                                                           0
     Subject: enron net works it is becoming incre...
3538
                                                           0
3539
     Subject: re : ( no subject ) great , please ...
     Subject: re: recommendation of an outstanding...
3540
3541
     Subject: re : eastern unless we can model the ...
3542
     Subject: petition for summer internship celes...
3543
     Subject: re : p + spread options fyi - - - - ...
3544
     Subject: rice seminar hello all: fyi: jon...
                                                           0
3545
     Subject: re : yvan ' s application thanks for ...
                                                           0
3546
     Subject: congratulations your majesty, cong...
3547
      Subject: risk 2000 boston - speaker reception ...
3548
     Subject: re: university of texas conference o...
3549
     Subject: natural gas production vince - i sp...
     Subject: re : john martin - baylor cindy ,
3550
3551
     Subject: re: mgmt 656 jack, this is up to ...
                                                           0
     Subject: re : followup vince , i have left a...
                                                           0
3552
     Subject: re : fw : parent - subsidary model h...
3553
                                                           0
3554
     Subject: risk 2000 - boston dear vince, i a...
                                                           0
3555
     Subject: friday brown bag on derivative pricin...
3556
     Subject: re : seminar series mug barabara , ...
      Subject: seating on the 32 nd floor mike robe...
3557
3558
     Subject: dr . kaminski , thank you for giving...
                                                           0
3559
     Subject: energy book hi grant, hope all is ...
```

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Subject: storage meeting ladies and gentlemen...
3560
3561
               Subject: re : my son vince , i left a messag...
                                                                                                                                                            0
3562
               Subject: talon vince: here is the document ...
                                                                                                                                                            0
               Subject: enron team 3 question hi melinda! ...
3563
                                                                                                                                                            0
3564
               Subject: erac koch p + spread options
                                                                                                                                                            0
3565
               Subject: " enron day " to be declared in spear...
                                                                                                                                                            0
               Subject: re : visit to enron vince,
3567
               Subject: re : enron case study update good af...
3568
               Subject: sandeep kohli dave , i would like t...
                                                                                                                                                            0
3569
               Subject: moddeling support for dpc related iss...
                                                                                                                                                            0
3570
               Subject: alp presentation on behalf of enron ...
                                                                                                                                                            0
3571
               Subject: re: real options jim, i am schedu...
                                                                                                                                                            0
3572
               Subject: request submitted: access request fo...
                                                                                                                                                            0
               Subject: telephone interview with the enron re...
3574
               Subject: li sun vince, i am so glad that yo...
               Subject: non - disclosure agreement and intell...
3575
3576
               Subject: re : telephone interview with the enr...
3577
               Subject: weather person for london egm folks ...
                                                                                                                                                            0
               Subject: re : hello from london zimin , i ha...
3578
3579
               Subject: re : clustering for power jaesoo , ...
                                                                                                                                                            0
3580
               Subject: re : exotica ( second request ) than...
3581
               Subject: mba career opportunity shirley, pl...
               Subject: resid fx option - - - - - - ...
3582
               Subject: re : spreadsheet for george posey vi...
3583
                                                                                                                                                            0
3584
               Subject: friday brown bag on derivative pricin...
                                                                                                                                                            0
3585
               Subject: year end 2000 performance feedback n...
                                                                                                                                                            0
3586
               Subject: another bet vince i here you are ru...
                                                                                                                                                            0
3587
               Subject: re : a personal favor thanks very mu...
3588
               Subject: d - g energy software procurement la...
3589
               Subject: re : statistician from rice osman , ...
               Subject: business trip to houston % \left( 1\right) =\left( 1\right) +\left( 1\right) +
3590
3591
               Subject: re : moving roy ibasco hi vanessa : ...
3592
               Subject: re : agenda for vc craig ,
                                                                                                                      thanks f...
                                                                                                                                                            0
3593
               Subject: mgmt 656 enclosed please find the fi...
                                                                                                                                                            0
3594
               Subject: re : outage tracker option and backgr...
3595
               Subject: cal berkeley recruiting congratulati...
3596
               Subject: re : gwen koepke i will see you on f...
3597
               Subject: re : next visit to houston yes and s...
               Subject: year end 2000 performance feedback n...
3598
3599
               Subject: update - meteorologist search we hav...
                                                                                                                                                            0
               Subject: vince , i 'll have him e - mail you...
                                                                                                                                                            0
3600
               Subject: your advice is appreciated vince, ...
3601
                                                                                                                                                            0
3602
               Subject: re : dabhol power jim , can you mee...
                                                                                                                                                            0
3603
               Subject: password for pjm 101 : the basics de...
3604
               Subject: re : flat screens f . y . i . - - - ...
3605
               Subject: giuseppe paleologo molly, giuseppe...
3606
               Subject: ca for henwood engagement bonnie, ...
3607
               Subject: global risk management initiative ri...
```

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Subject: re : credit reserve update we have n...
3608
3609
     Subject: re : 2 - survey / information email 5...
3610
     Subject: option hedging for ees eugene, bob...
                                                           0
     Subject: interview schedule for seksan kiatsup...
3611
                                                           0
3612
     Subject: re : anita dupont resume sheila walt...
                                                           0
3613
     Subject: re : a resume - canadian trader john...
                                                           0
     Subject: enterprise risk management conference...
3615
     Subject: fw : luncheon meeting : asap dear mr...
3616 Subject: amr research preview information vin...
3617
     Subject: vol skew no - arbitrage constraints ...
                                                           0
3618
     Subject: re: research resumes molly, below...
                                                           0
     Subject: mid - year 2000 performance feedback ...
3619
3620
     Subject: please approve : application request ...
                                                           0
     Subject: raptor position reports for 12 / 28 /...
3622
     Subject: request submitted : access request fo...
     Subject: re : petrochemical forward curves vi...
3623
3624
     Subject: ed krapels louise, some time ago i...
                                                           0
3625
     Subject: carnegie mellon candidates kristin :...
                                                           0
     Subject: summer internship at enron jana : v...
3626
                                                           0
3627
     Subject: interview dear mr . kaminski : i am...
                                                           0
     Subject: ees implementation message sent from...
3628
3629
     Subject: re : confirmation of meeting i would...
3630
     Subject: re : rtp conference hill , yes , i ...
3631
     Subject: re : cairn gas purchase bid fyi - - ...
                                                           0
     Subject: re: monday presentation i have made...
                                                           0
3632
3633
     Subject: oracle nt client software upgrade - m...
                                                           0
                                                           0
3634
     Subject: re : updated message - preliminary ra...
3635
     Subject: re : sevil yaman great ! let me know...
3636
     Subject: information you requested from econom...
3637
     Subject: summer associate mentor the summer a...
     Subject: thank you , i am on board vince :
3638
3639
     Subject: ees t & d interest rate hedge vince ...
3640
     Subject: f / up vince - i got your message (...
                                                           0
3641
     Subject: papers vince, did you receive this...
                                                           0
     Subject: entouch newsletter business highligh...
3642
3643
     Subject: parking pass for van ngo good mornin...
     Subject: greg , fyi - jeff asked me to forward...
3645
     Subject: lunch presentation london is very pl...
     Subject: full circle : asps the new big blue ?...
3646
3647
     Subject: approval for reviewer crenshaw, shi...
                                                           0
     Subject: re : var article les , the revised ...
                                                           0
3648
     Subject: re: american gas association mike,...
3649
                                                           0
3650
     Subject: re : file cabinet for mike roberts k...
                                                           0
3651
     Subject: re: the transportion model worked g...
                                                           0
3652
     Subject: re : cross - guarantees attached are...
3653
     Subject: candidate to bring in for interviews ...
3654
     Subject: correction : risk and purchasing meet...
                                                           0
3655
     Subject: re: real options paul, krishna an...
                                                           0
```

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Subject: re : visit to houston allan ,
3656
                                               i sha...
3657
     Subject: re : got a hold of fiona grant i thi...
3658
     Subject: re : the national forum on corporate ...
                                                          0
     Subject: accomplishments / self evaluation pr...
3659
                                                          0
     Subject: re : summer work . . jinbaek , this...
3660
                                                          0
     Subject: lunch with it and credit tanya,
3661
                                                          0
     Subject: re: synfuel option valuation lenny ...
3663
     Subject: re : part - time work zimin , can y...
     Subject: re : d - g energy karla , we may us...
3664
3665
     Subject: grades pam , the term papers arrive...
                                                          0
     Subject: norberto elizabeth, i want to disc...
3666
                                                          0
     Subject: the garp convention dear shirley ? ...
3667
     Subject: re : approval is overdue : access req...
3668
                                                          0
     Subject: thanks for the interview dear vince ...
3670
     Subject: energy in europe congress 2000 8 th ...
     Subject: reminder stinson (and vince - - don...
3671
3672
     Subject: reprint of my article - the gas - fir...
                                                          0
3673
     Subject: petition for summer internship vince...
                                                          0
3674
     Subject: alliance info alert dear generation ...
3675
     Subject: draft from the editor with questions ...
                                                          0
3676
     Subject: fwd fwd volatility for metals var hi...
3677
     Subject: load forecasting project schedule ba...
3678
     Subject: fyi : sycamore support on network pla...
     Subject: re : lunch john , thanks . see you ...
3679
                                                          0
3680
     Subject: power trading fyi . this could be qu...
                                                          0
3681
     Subject: interview with the research group hi...
                                                          0
     Subject: accounting organizational changes
                                                          0
3682
3683
     Subject: new website for an exciting conferenc...
3684
     Subject: projects completed and work in progre...
3685
     Subject: henwood & psim stinson / vince , th...
     Subject: re : summer van , thanks for your m...
3686
3687
     Subject: dg energy software vince, here is ...
3688
     Subject: re : mathworks great , please keep u...
                                                          0
3689
     Subject: re : tanya vacation vince , i just ...
                                                          0
     Subject: re: weather and energy price data m...
3690
     Subject: re : jinbaek kim molly , we can pay...
3691
     Subject: karthik rajan i spoke with karthik t...
3693
     Subject: interview schedule for jinbaek kim p...
     Subject: re : energy derivatives conference - ...
3694
     Subject: re : reminder - - - - - - ...
3695
                                                          0
     Subject: re : reminder sandeep , i am meetin...
                                                          0
3696
     Subject: re : 1 / 2 day seminar : the new texa...
3697
3698
     Subject: re : garp frank , i have reviewed m...
                                                          0
3699
     Subject: michael catanese vince, mr. catan...
3700
     Subject: fw : notes for var course > - - - ...
3701
     Subject: thank you! fyi from valeria . - - ...
3702
     Subject: re : visit to enron by professor nali...
                                                          0
3703 Subject: re: recent hardware repair joe, w...
                                                          0
```

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Subject: re : suggestion : implementing var ba...
3704
3705 Subject: re : lng "book "meeting doug, we...
                                                          0
     Subject: transport model andy , the scale ef...
3706
                                                          0
3707
     Subject: re : project tracking database access...
                                                          0
3708
     Subject: operational risk iconference " the p...
                                                          0
3709
     Subject: address for recommendations vince, ...
                                                          0
     Subject: course outlines jeff, i am sending...
3711
     Subject: approval is overdue : access request ...
3712 Subject: information you requested from econom...
                                                          0
3713
     Subject: re : jcc kevin , thanks for the hea...
                                                          0
3714
     Subject: order confirmation thank you for you...
                                                          0
3715
     Subject: re : energy course julie , no objec...
3716
     Subject: rice course vince i am an adjunct p...
                                                          0
     Subject: meeting at wharton i am out of the o...
3718
     Subject: luigi zingales seminar on april 27 r...
     Subject: last day , contact numbers , etc .
3719
3720
     Subject: interview with the enron research gro...
                                                          0
3721
     Subject: interesting article about enron in ja...
                                                          0
3722
     Subject: job application dear dr . kaminski ,...
3723
     Subject: slides for jeff 's presentation all...
                                                          0
3724
     Subject: re: henwood contract vince / stinso...
     Subject: re : 11 visa - anshuman shrivastava ...
3725
3726
     Subject: seasonal greetings seasonal greeting...
3727
     Subject: outage pricing model revision : allow...
3728
     Subject: welcome network world fusion focus :...
                                                          0
3729
     Subject: houston visit dear research and rela...
                                                          0
3730
     Subject: re : agenda for ny mg metals visit h...
                                                          0
     Subject: contact info fyi! ----...
3731
3732
     Subject: tiger team application forms vince :...
3733
     Subject: department of energy is deploying a c...
     Subject: user id and password update dear sub...
3734
3735
     Subject: re : energy book and articles vince ...
3736
     Subject: re : resumes vince , see below for ...
3737
     Subject: re : confidential molly , we are in...
                                                          0
     Subject: re : garp credit derivatives discussi...
3738
3739
     Subject: university of texas conference on ene...
     Subject: public affairs organizational announc...
3741
     Subject: re : march real options conference
3742 Subject: re : spreadsheet for george posey ge...
3743
     Subject: candlestick charts fyi fallout - - ...
                                                          0
3744
     Subject: tiger team info vince, here is the ...
                                                          0
3745
     Subject: re: invitation to speak at infocast ...
3746
     Subject: re : phone interview there will be a...
                                                          0
3747
     Subject: no job you have probably heard that ...
3748
     Subject: re : spring 2001 energy finance confe...
3749
     Subject: abstract shmuel, this is the abstr...
3750
     Subject: re : enron - nevrl - aa meeting on ju...
                                                          0
3751
     Subject: class request : xl 97 range - 567 exc...
                                                          0
```

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Subject: re : follow - up interview on 8 / 21 ...
3752
3753
     Subject: re : bullet points hi vince , thank...
3754
     Subject: re : attend pserc seminar on 11 / 30 ...
     Subject: re : e - strategy for metals trading ...
3755
                                                           0
3756
     Subject: re: brown bag tom: yes, we can a...
                                                           0
      Subject: termination payments - ees energy out...
3757
                                                           0
     Subject: cinergy monthly prices 1998 to date ...
3759
     Subject: re : your visit to enron joe , fyi ...
     Subject: re : grades got them - thank you ! -...
3760
                                                           0
3761
     Subject: allocations it is now official!! ...
                                                           0
3762
     Subject: re: mgmt 656 pam thanks yes, ple...
                                                           0
     Subject: credit reserve model meeting vince ,...
3763
                                                           0
3764
     Subject: schedule for aram sogomonian followi...
                                                           0
     Subject: re : enron - resume interview of jame...
     Subject: re : summer associate mentor ginger ...
3766
     Subject: re : nj alliance michael lassle is i...
3767
3768
     Subject: contract summaries attached are the ...
                                                           0
3769
     Subject: re: working with enron on catastroph...
                                                           0
     Subject: re : desk move / computer stuff than...
3770
                                                           0
3771
     Subject: maureen raymoin ' ds review norma , ...
                                                           0
     Subject: john sherriff 's copper position te...
3773
     Subject: is the supply rebound beginning? an ...
3774 Subject: re : resco database and customer capt...
     Subject: team 3 ken , it seems that there ma...
3775
                                                           0
3776
     Subject: re : clustering for gas and power fr...
                                                           0
     Subject: apex conference 2000 update apex 200...
3777
                                                           0
3778
     Subject: interview thanks . . . vince and sti...
                                                           0
3779
     Subject: confidential information and securiti...
3780
     Subject: internship opportunities dear mr . k...
3781
     Subject: color copier i ' m so sorry ! color...
     Subject: fw : vince and ravi , attached belo...
3782
3783
     Subject: lunch dzien dobry , mam nadzieje , ...
3784
     Subject: harvard business school pub order con...
                                                           0
3785
     Subject: thomas knudsen hi vince i met with ...
                                                           0
3786
     Subject: fwd : eprm article return - path : ...
3787
     Subject: re : factors for us power curves tan...
3788
     Subject: re: astros season tickets cathy, ...
3789
     Subject: request submitted: access request fo...
     Subject: re : rabi de fyi , i do not send out...
3790
3791
     Subject: re : energy book chris , no problem...
                                                           0
     Subject: approval is overdue : access request ...
                                                           0
3792
3793
     Subject: long - term volatility curves grant ...
                                                           0
3794
     Subject: re: model effort in houston mike p...
                                                           0
3795
     Subject: re : fw : pserc nuggets related to ma...
3796
     Subject: magic 15 , 000 level on nikkei - - - ...
     Subject: re : cv of rodney greene re quantitat...
3797
3798
     Subject: re : o andrew , vince and grant fro...
                                                           0
3799
     Subject: re: fw: mtg. scheduled frank, r...
                                                           0
```

```
Subject: re: mutually agreed upon changes oka...
3800
                                                           0
3801
     Subject: brownsville peaker data hey guys , ...
                                                           0
3802
     Subject: fea announces the release of @ energy...
                                                           0
     Subject: martin lin 's rotation into jim 's ...
3803
                                                           0
3804
     Subject: osman sezgen steve kromer is request...
                                                           0
     Subject: re : tanya ' s vacation shirley ,
3805
                                                           0
     Subject: congratulations on your promotion . lou
                                                             0
3807
     Subject: re : f / u to dr . kaminski @ enron f...
                                                           0
3808
     Subject: technical writer position just a not...
                                                           0
3809
     Subject: re : fw : wharton resume submission -...
                                                           0
     Subject: reminder stinson, fyi vince - - ...
                                                           0
3810
3811
     Subject: final dates for houston visits dear ...
                                                           0
3812
     Subject: cmu students i have given your email...
                                                           0
     Subject: fw : mckinsey partner specializing in...
3814
     Subject: enside good morning! here is the 1...
     Subject: projects list stinson , just want t...
3815
                                                           0
3816
     Subject: charlie weldon - - - - - - - - ...
                                                           0
                                                           0
3817
     Subject: summer associate offers for full - ti...
     Subject: re : clustering for power tanya ,
3818
                                                           0
3819
     Subject: re : chapter dear vince , that 's ...
                                                           0
3820
     Subject: re : f / u to dr . kaminski @ enron f...
3821
     Subject: re : fea announces the release of @ e...
3822
     Subject: re : lost cell telephone chris : vi...
3823
     Subject: research get - together at sandeep ko...
                                                           0
3824
     Subject: approval is overdue : access request ...
                                                           0
     Subject: re : address confirmed - - - - or...
3825
                                                           0
     Subject: new businesses in london : weather & ...
3826
                                                           0
3827
     Subject: re : london research prc dale , tha ...
3828
     Subject: re : prof . carmona vince , my apol...
3829
     Subject: re : chicago partners david , i sen...
3830
     Subject: exotica ( yet again ) hi guys i nee...
                                                           0
3831
     Subject: re : willow and pathstar evaluations ...
                                                           0
3832
     Subject: livelink access moyez, i could not...
                                                           0
     Subject: re : new color printer goodmorning 1...
3833
                                                           0
3834
     Subject: re: presentation to faculty and stud...
3835
     Subject: re : resume vasant , i agree . vin...
3836
     Subject: re : qian ( frank ) feng interview wi...
3837
     Subject: re : yana kristal ' s rotation hi vi...
     Subject: enrondirectfinance . com usernames an...
3838
3839
     Subject: prc review stinson, i am going to ...
                                                           0
     Subject: re: windows 2000 - alcar brenda, ...
                                                           0
3840
     Subject: fx curve for rupee harry: i am kri...
3841
                                                           0
3842
     Subject: iif / oxan - info sources vince , w...
                                                           0
3843
     Subject: re : rafal , dziekuje za odpowiedz ...
3844
     Subject: evaluation form mike, please, sig...
     Subject: re : visit ? frank , we shall be gl…
3845
                                                           0
3846
     Subject: re : henwood query hi karolina ,
                                                           0
3847
     Subject: class request : xl 97 - 564 excel 97 ...
```

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3848
     Subject: dispatch within maharashtra jim , p...
                                                          0
3849
     Subject: missing prc information vince, the ...
3850
     Subject: adaptive trade vince, zimin, i pa...
                                                          0
     Subject: re : java training stinson - looks ...
3851
                                                          0
3852
     Subject: elements of power (4) dear colleag...
                                                          0
3853
     Subject: north atlantic forecasts update for ...
                                                          0
     Subject: re: aiesec dear mr. kaminski, we...
3855
     Subject: re : charm conference call jim , i ...
3856
     Subject: in confidence : prc summary hi vince...
                                                          0
3857
     Subject: exmar credit john , bill bradford i...
                                                          0
     Subject: martin jermakyan hi there, i am fa...
                                                          0
3858
3859
     Subject: tips fyi - us inflation - linked bon...
                                                          0
3860
     Subject: re : program attached ; march ny ro c...
                                                          0
3861
     Subject: approval is overdue : access request ...
3862
     Subject: dba administrator michelle, the na...
3863
     Subject: re : enron opportunities thanks vinc...
                                                          0
3864
     Subject: confirm participation at real options...
                                                          0
     Subject: proposal christie, thanks for help...
3865
                                                          0
     Subject: request submitted: access request fo...
3866
                                                          0
3867
     Subject: agenda & pre - work for valuation vis...
                                                          0
3868
     Subject: re : summer internship vince , i ju...
3869
     Subject: model effort in houston christian, ...
3870
     Subject: re : visit to houston and vince kamin...
3871
     Subject: re : alex 's article vince, did y...
                                                          0
     Subject: reactions log - in password http:/...
                                                          0
3872
3873
     Subject: cme and catex - - - - - - ...
                                                          0
3874
     Subject: re : cusip vince , i am waiting to h...
                                                          0
3875
     Subject: re : hotel for the wharton trip i ' ...
3876
     Subject: confirmation of your order this is a...
3877
     Subject: re : e - mail address chnage thanks ...
3878
     Subject: re : enron tiger kick off donna , j...
3879
     Subject: re : lance cunningham discussions wi...
3880
     Subject: re: prc meeting date anne, thanks...
                                                          0
     Subject: e - mail addresses of nevrl video con...
                                                          0
3881
3882
     Subject: re: recommendation for john gordon ...
3883
     Subject: interview with enron corp . research ...
3884
     Subject: term papers team, can you resend y...
3885
     Subject: re : interview steve , i submitted ...
3886
     Subject: re : thanks ! karin , i talked to m...
3887
     Subject: re : interview with the enron researc...
                                                          0
     Subject: re : my son kristin , i think that ...
3888
                                                          0
     Subject: "help millions " - pledge today! t...
3889
                                                          0
3890
     Subject: message 4 dear dr . kaminski , this...
                                                          0
3891
     Subject: sevil yamin vince, do you want me ...
3892
     Subject: vince kaminski good morning mr . ban...
3893
     Subject: re : bullet points please respond to...
3894
     Subject: technical corner for when you return...
                                                          0
3895
     Subject: new volatility curve generator for uk...
                                                          0
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3896
     Subject: interview with enron corp . good mor...
                                                           0
3897
     Subject: re : resume from a neural networks ze...
                                                           0
     Subject: cameron payne vince, congratulation...
3898
                                                           0
      Subject: re : summer internship cantekin ,
3899
                                                           0
3900
      Subject: candidate evaluation, wendi germani ...
                                                           0
3901
      Subject: copiers on 19 hi iain : got a quest...
                                                           0
     Subject: summer internship hi vince, i am w...
3903
     Subject: energy : oil drilling : survey finds ...
     Subject: re : " expected tail loss " for equit...
3904
                                                           0
3905
     Subject: re : visual numerics cnl licensing is...
                                                           0
3906
     Subject: grant, would you take a look at the ...
                                                           0
3907
     Subject: wti trading simulation model - presen...
                                                           0
3908
     Subject: renshi zhang 's resume shirley and ...
                                                           0
3909
     Subject: re: meeting today and trip to housto...
3910
     Subject: latest revision vince, i have made...
3911
     Subject: enron year end 2000 performance manag...
3912
     Subject: coming back to london hi guys , it ...
                                                           0
     Subject: lng meeting bjorn: the lng meeting...
                                                           0
3913
     Subject: re : lng may 19 decision john , yes...
3914
                                                           0
3915
     Subject: re : energy derivatives conference - ...
                                                           0
3916
     Subject: petrochem desk i had a chance to spe...
3917
     Subject: re: arthur andersen model validation...
3918
     Subject: thanks a lot . dr . kaminski , i ap...
3919
     Subject: optical network engineering & enron r...
                                                           0
3920
     Subject: fwd : credit applications in grms r...
                                                           0
3921
     Subject: re : iif / oxan vince , per the dia...
                                                           0
3922
     Subject: promotion vince : just a short note ...
                                                           0
3923
     Subject: re : f / u to dr . kaminski @ enron f...
3924
     Subject: re: new copier information for 55, ...
3925
     Subject: management announcement we are pleas...
3926
     Subject: update on project x gentlemen , joh...
                                                           0
3927
     Subject: a classic a classic i forgot to atta...
                                                           0
3928
     Subject: the national forum on corporate finan...
                                                           0
3929
     Subject: resume greg mikkelson vince,
                                                           0
3930
     Subject: re: houston visit with vince kaminsk...
3931
      Subject: volatility curves - linked from reute...
3932
     Subject: request submitted: access request fo...
3933
     Subject: re : li sun jeff , no problem . we ...
3934
     Subject: presentation for cal berkeley hello ...
3935
     Subject: my resume vince: attached please f...
                                                           0
                                                           0
3936
     Subject: benchmarking questionnaires vince, ...
     Subject: platts energy trader free trial plea...
3937
                                                           0
3938
     Subject: follow - up meeting on wharton good ...
                                                           0
3939
     Subject: trip to houston here is some informa...
3940
     Subject: this summer 's houston visits richa...
3941
     Subject: re: wharton dinner 1 / 18 / 01 jenn...
3942
     Subject: re : action learning project informat...
                                                           0
3943
     Subject: re : ken lay 's speech is there a d...
                                                           0
```

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Subject: re : vol rollup john , we can appro...
3944
3945
     Subject: the solution presentation , text , & \dots
                                                           0
3946
     Subject: re : contact vince , david 's pare...
                                                           0
3947
      Subject: candidate decisions vince: they ar...
                                                           0
3948
     Subject: re : fw : possible visit to enron by ...
                                                           0
3949
      Subject: jury duty shirley, i have been sum...
                                                           0
     Subject: restricted list neither ena / rac / ...
3951
     Subject: re : dinner with your training collea...
3952
     Subject: more details on karolyi visit vince ...
                                                           0
3953
     Subject: re : telephone interview with the enr...
                                                           0
     Subject: talk to us over the last several yea...
3954
                                                           0
     Subject: bio 's hi john! so sorry for the ...
3955
                                                           0
3956
     Subject: re : fw : re : valuation . . . . see...
                                                           0
3957
     Subject: re: australian energy risk 2000 luc...
3958
     Subject: re : program attached ; march ny ro c...
     Subject: issue 4 - http://www.financewi...
3959
3960
     Subject: announcing the third annual texas fin...
                                                           0
     Subject: tropical cyclones dear all, yester...
                                                           0
3961
3962
     Subject: re: invitation to speak at power 200...
                                                           0
3963
     Subject: re: informs national conference at s...
                                                           0
     Subject: marketpoint gas model dear mr . brau...
3964
3965
     Subject: candidate vince: here is the resum...
3966
     Subject: cell phone for the next two days , y...
3967
     Subject: moddeling support for dpc related iss...
                                                           0
3968
     Subject: names sheila , i am attaching the 1...
                                                           0
3969
     Subject: re : enron case study update fantast...
                                                           0
3970
     Subject: enron case study good morning mr . m...
                                                           0
3971
     Subject: london , new york , houston , financi...
3972
     Subject: california update 1 / 22 / 01 execut...
3973
     Subject: fyi : energy operations promotions h...
     Subject: re : letter to nesbitt vince , your...
3974
3975
     Subject: my resume molly , we would like to ...
3976
     Subject: powerisk 2000 - cocktail parties for...
                                                           0
3977
     Subject: summer rotation in rac vince, i ha...
                                                           0
3978
     Subject: re: congratulations thank you very ...
3979
     Subject: thanks from charles dear vince: it...
3980
     Subject: re: mscf speaker series pierre - ph...
3981
     Subject: wti simulation model 30, 000 bbl / t...
     Subject: re : hello from vince kaminski at enr...
3982
3983
     Subject: re : datren williams acceptance you ...
                                                           0
     Subject: re : looking for " fat tails " in tim...
                                                           0
3984
     Subject: research meeting all john sherriff ...
3985
                                                           0
3986
      Subject: meeting with dale nesbitt - altos man...
                                                           0
3987
     Subject: re : interviews vince , no problem ...
3988
     Subject: eprm understanding and applying fin m...
3989
      Subject: backwardation hedge strategy i have ...
3990
      Subject: re : interview request kevin , yes ...
                                                           0
3991
     Subject: just fyi vince, please see below s...
                                                           0
```

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Subject: many dear vince, 1 . i apologize f...
3992
3993
     Subject: re : analyst candidate mitra mujica ...
                                                         0
3994
     Subject: it 's time for prc it 's time once...
                                                         0
     Subject: dinner with vince kaminski good morn...
3995
                                                         0
3996
     Subject: re: tradespark vince, thanks for ...
                                                         0
3997
     Subject: book vince, ? i have made contact...
                                                         0
     Subject: rice / enron seminar series fyi!
3999
     Subject: re : fw : enron credit model docs for ...
4000
     Subject: re: weather and energy price data m...
                                                         0
4001
     Subject: option pricing discrepancy for j . c ...
                                                         0
4002
     Subject: re : interview with rabi s . de on fr...
                                                         0
4003
     Subject: re : b 2 b at enron tom , greg 's ...
                                                         0
     Subject: a & a math majors vince, thank you...
4004
                                                         0
4005
     Subject: re: nikkei and pko ----...
4006
     Subject: year end 2000 performance feedback n...
4007
     Subject: weather and energy price data elena ...
4008
     Subject: right of first refusal pricing lorri...
                                                         0
4009
     Subject: re : ebs var transaction policy i ha...
                                                         0
     Subject: research memo on mg var dear all : ...
4010
                                                         0
4011
     Subject: re: subscription renewal barbara, ...
                                                         0
     Subject: confirmation of 3 / 20 9 a . m . meet...
4012
4013
     Subject: re: wharton business plan competitio...
     Subject: prc review : list of key projects hi...
4015
     Subject: re: henwood query good talking with...
                                                         0
4016 Subject: re: background information vince: ...
                                                         0
4017
     Subject: re : new computer jarod : can you h...
                                                         0
4018
     Subject: reschedule - iv amit bartarya first f...
                                                         0
4019
     Subject: hea sporting clays tourney - august 1...
4020
     Subject: re : chase chris , we don ' t have ...
4021
     Subject: re : interview schedule for punit raw...
     Subject: anshuman neil , i would like to apo...
4022
     4023
4024
     Subject: hello shirley, can you, please, ...
                                                         0
4025
     Subject: re : corporate allocation from enron ...
                                                         0
4026
     Subject: west power model lance and i spoke w...
4027
     Subject: fw : memo : re : your work phone numb...
4028
     Subject: computer hello again, the computer...
4029
     Subject: re : dale nesbitt meeting tues marga...
4030
     Subject: re : test vince : candice ' s conta...
4031
     Subject: year end 2000 performance feedback n...
                                                         0
     Subject: re : vacation shirley , no problem ...
                                                         0
4032
     Subject: vince kaminski vince: did you get ...
4033
                                                         0
4034
     Subject: re : corn subsidy govt program analys...
                                                         0
4035
     Subject: re : introduction meeting : rac londo...
4036
     Subject: reviewer approval please note that y...
4037
     Subject: to basak vince, please find attach...
4038
     Subject: ferc 's soft price caps : what do th...
                                                         0
4039
     Subject: carnegie mellon speech following are...
                                                         0
```

```
Subject: re : test tom , the conference in n...
4041
     Subject: 3 - urgent - to prevent loss of infor...
                                                           0
4042
     Subject: re: spring 2001 schematic kathy, ...
                                                           0
     Subject: re : pricing credit on thousands of n...
4043
                                                           0
4044
     Subject: re : summer internship ezequiel ,
                                                           0
     Subject: re : chase vince : thanks very much ...
4045
                                                           0
     Subject: rw : howard confirmation for vince h...
4047
     Subject: java for managers !!! vince, dur...
4048
     Subject: re : wednesday lunch - credit group ...
                                                           0
4049
     Subject: update on spring conference hello ev...
                                                           0
     Subject: color copier hello lyn , how are yo...
4050
                                                           0
4051
     Subject: alliance info alert dear generation ...
                                                           0
     Subject: re : texas finance festival ( urgent ...
4052
                                                           0
4053
     Subject: fwd : our conversation today return ...
4054
     Subject: steven roeder ( chemical engineer ) ...
4055
     Subject: ljm pricing vince: here are the fi...
                                                           0
4056
     Subject: organizational announcement fyi.
                                                           0
     Subject: enside draft good afternoon! attac...
                                                           0
4057
     Subject: re : marketpoint license agreement
4058
                                                           0
4059
     Subject: re : gsia visit duane , sorry i wil...
                                                           0
     Subject: alliance info alert ferc acts to rem...
4060
4061
     Subject: last minute things tff participants ...
4062
     Subject: re : forward prices simulations in th...
4063
     Subject: reply to your email / ignore my voice...
                                                           0
     Subject: risk 2000 panel discussion hello eve...
                                                           0
4064
4065
     Subject: re : eprm conferences hi paul , ? ...
                                                           0
4066
     Subject: re : i was very pleased to get your ...
                                                           0
4067
      Subject: old and new extensions hello, may ...
4068
     Subject: re : rice / enron finance seminar ser...
4069
     Subject: re : mscf speaker series / recruitmen...
4070
     Subject: super saturday participation and off ...
4071
     Subject: re : thursday visit frank , we shal...
                                                           0
4072
     Subject: re : test dear vince : the email add...
                                                           0
     Subject: re : powerisk 2001 - your invitation ...
                                                           0
4073
4074
     Subject: re : resume vince, could you give ...
4075
     Subject: nymex chris, the first file might ...
4076
     Subject: revised 10 cpm color copier informati...
4077
     Subject: thank you dear dr . kaminsky : i wa...
4078
     Subject: re : a friend of mine vince , thank...
4079
     Subject: re : aiesec polska - eurolds 2000 cz...
                                                           0
     Subject: re : one more thing clayton ,
                                                           0
4080
                                                i agr...
     Subject: re : [ fwd : new commodity marketplac...
4081
                                                           0
4082
      Subject: aram rick , aram is coming to houst...
                                                           0
4083
     Subject: re : publishing my real options work ...
4084
     Subject: re : b . brandfass barbara , my apo...
4085
     Subject: re : university of texas conference o...
4086
     Subject: london research the enron europe res...
                                                           0
4087
      Subject: re : enron broadband services dear s...
                                                           0
```

```
Subject: maths course dear vince, ? i just...
4088
4089
     Subject: energycast dear vince, i hope your...
4090
     Subject: re : lawyer sorry to hear this - i h...
                                                           0
     Subject: re : your visit to enron frank , th...
                                                           0
4091
4092
     Subject: re: risk 2000 panel discussion my p...
                                                           0
     Subject: enron in europe : emerging europe : e...
4093
                                                           0
     Subject: re : stanford check paul , thanks a...
4095
     Subject: off site with john griebling 's opti...
     Subject: vince kaminski 's itinerary - week o...
4096
4097
     Subject: re : in confidence steve , rac will...
                                                           0
4098
     Subject: carnegie mellon team meeting greetin...
                                                           0
4099
     Subject: iris mack vince : i received a phone...
     Subject: professor bambos ' visit shirley : ...
4100
                                                           0
     Subject: re : introduction meeting : rac londo...
4102
     Subject: 2000 expenses as you all know the de...
4103
     Subject: day rate hedge vince, included is ...
4104
     Subject: re : greetings frank , thanks for y...
                                                           0
4105
     Subject: reviewer approval please note that y...
4106
     Subject: fw : meeting follow - up dan sent th...
4107
     Subject: benefits - personal days good mornin...
                                                           0
4108
     Subject: restructuring today - 6 / 23 mark , ...
4109
     Subject: enside draft here is the version wit...
4110
     Subject: default rates please see below for m...
4111
     Subject: re: resume, thanks a lot, and ju...
4112
     Subject: mid - year 2000 performance feedback ...
4113
     Subject: re : pre - submitted question on espe...
                                                           0
     Subject: move on may 30 th please note: the ...
                                                           0
4114
4115
     Subject: title dear mr . kaminski , ? i hop...
4116
     Subject: impending visit vince: i sent you ...
4117
     Subject: larry thorpe hi vince, been meanin...
     Subject: financial maths course , part 2 vinc...
4118
4119
     Subject: re : uc - berkeley graduate student ...
     Subject: re : monday aug . 7 stinson , no pr...
4120
4121
     Subject: year end 2000 performance feedback n...
                                                           0
4122
     Subject: bollerslev seminar vince: i don ' ...
4123
     Subject: re : aiesec polska - eurolds 2000 dr...
     Subject: f / up sheila , i am forwarding you...
4125
     Subject: transportation for m . gillis and g ...
4126
     Subject: re : liquids limits oct . 20 john : ...
4127
     Subject: re : rice course thank you , see you...
4128
                                                           0
     Subject: re : kwi user group vince sorry to ...
4129
     Subject: feedback from your espeak vince:
                                                           0
4130
     Subject: re : time keeping please arrange for...
                                                           0
4131
     Subject: updated presentation i added guadalu...
4132
     Subject: good news on endorsements vince & va...
4133
     Subject: christmas list hello vince and mike ...
4134
     Subject: re : invitation to speak at infocast ...
4135
     Subject: re: thanks, please tell me if you ...
```

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4136
     Subject: congratulations on your promotion co...
4137
     Subject: re : greg spaniolo resume johnny , ...
                                                          0
4138
     Subject: initial collection of research materi...
                                                          0
     Subject: credit model vince and stinson, we...
4139
                                                          0
4140
     Subject: re: alp presentation dennis, than...
                                                          0
     Subject: visit may 4 th vince: per susan ' ...
4141
                                                          0
     Subject: 9 inch t . v . goodmorning , we nee ...
4143
     Subject: working at home this afternoon i wil...
4144
     Subject: re : video conference for interview :...
4145
     Subject: re : support on statistical modeling ...
                                                          0
     Subject: bonds hello, vince. we still have...
4146
                                                          0
4147
     Subject: reply to your email / ignore my voice...
4148
     Subject: new computer hi lyn : i have not re...
                                                          0
     Subject: dpc memo vince, i am in houston ( ...
4150
     Subject: transmission roundtable everyone, ...
4151
     Subject: california update 4 / 27 / 01 the fo...
4152
     Subject: congrats! vince, congrats on your...
                                                          0
                                                          0
4153
     Subject: cera conference call and web presenta...
4154
     Subject: re: houston research opportunity: a...
                                                          0
4155
     Subject: interview dear dr . kaminski i woul...
                                                          0
4156
     Subject: congratulations vince, congratulat...
4157
     Subject: re : move computer from the research ...
4158
        Subject: re : requests for help thanks vince .
4159
     Subject: re : eprm article chris , this is v...
                                                          0
     Subject: energy book hi vince, i have pulle...
4160
4161
     Subject: masayuki fujita from the mitsubishi r...
4162
     Subject: re : forward oil prices jens , i th...
                                                          0
4163
     Subject: re : forecasting project barbara , ...
4164
     Subject: anjam vince, let me know when you ...
4165
     Subject: global technology organization change...
4166
     Subject: h - ib visa application chonawee : f...
4167
     Subject: christmas break fyi - - - - - - - ...
4168
     Subject: vp & director count for the research ...
                                                          0
4169
     Subject: metals cross correlations dear all ,...
4170
     Subject: performance management process as ou...
     Subject: reviewer approval please note that y...
4171
     Subject: ng prices margaret, please find at...
4173
     Subject: power plant model jeff, a few comm...
     Subject: 3 hours vacation vince: if it is a...
4174
4175
     Subject: re : trading ag prods . vince ,
                                                          0
     Subject: enron cover letter & resume for dave ...
                                                          0
4176
4177
     Subject: re: potential prospect tom, we ar...
                                                          0
4178
     Subject: re : congratulations thanks . congra...
                                                          0
4179
     Subject: re : credit trading brought to you by...
4180
     Subject: subscribe this message has been auto...
4181
     Subject: wti models stinson and vince, i fi...
4182
     Subject: new pc with two 128 mb of ram shirle...
                                                          0
4183
     Subject: re : telephone interview with the enr...
```

```
Subject: re : letter larrissa , i spoke with...
4184
4185
     Subject: risk magazine - enron sponsored issue...
                                                          0
4186
     Subject: re : sorry see you at 11 : 30 in the...
                                                          0
     Subject: re : enron contact info christie , ...
4187
                                                          0
4188
     Subject: summary of dabhol lenders ' presentat...
                                                          0
4189
     Subject: james aimone james aimone is a candi...
                                                          0
     Subject: shalesh jim , clarification regardi...
4191
     Subject: schedules , maps , etc . gentlemen : ...
4192
     Subject: re: weekly report vasant, yes, i...
4193
     Subject: wharton entrepreneurship conference i...
                                                          0
4194
      Subject: re: digitals many thanks. gillian.
                                                            0
4195
     Subject: re : power plant model hi vince : n...
                                                          0
4196
     Subject: re : congrats vince , thanks for th...
                                                          0
     Subject: 1997 risk paper on pricing of electri...
4198
     Subject: news review update the news review s...
4199
     Subject: year end 2000 performance feedback n...
4200
     Subject: summer internship dr . kaminski ,
                                                          0
4201
     Subject: re : enron case studies eric , i ha...
                                                          0
4202
     Subject: earthsat summer seminar fyi - - - m...
4203
     Subject: re: willow and pathstar evaluations ...
                                                          0
4204
     Subject: re : get together for dinner vasant ...
4205
     Subject: power 2001 paul, my apologies for ...
4206
     Subject: resume of mark giancola attached is ...
4207
     Subject: re : address i trust things are well...
4208
     Subject: re : pre - meeting weathereffects sit...
                                                          0
4209
     Subject: saturday on saturday i came to work ...
                                                          0
4210
     Subject: re : enron default swaps darrell , ...
                                                          0
4211
     Subject: re : cantekin , can you figure out ...
4212
     Subject: re: research sign off i totally agr...
4213
     Subject: re: real options presentation thank...
4214
     Subject: re: backtesting naveen, most of t...
4215
     Subject: invitation to sunday dinner with vinc...
4216
     Subject: re: presentation dawn, i met davi...
                                                          0
4217
     Subject: mark keeter presentation - proposal -...
                                                          0
4218
     Subject: re : agenda for houston visit christ...
4219
     Subject: re : recruiting at cmu computational ...
     Subject: henwood 's ercot symposium - registr...
4221
     Subject: update on mg var model hi vince,
4222
     Subject: confirmation of your order this is a...
4223
     Subject: re : visit to enron by professor nali...
                                                          0
4224
                                                          0
     Subject: re : hib visa application - sevil yam...
4225
     Subject: re : enron / stanford program nick ,...
4226
     Subject: re : tony hamilton chris , e hired ...
                                                          0
4227
     Subject: timesheets hello all: i am afraid ...
4228
     Subject: re : 1 / 2 day kevin , i ' m schedu...
4229
     Subject: re : schedule for trip christie ,
4230
     Subject: re : testing ir & fx var nick and wi...
                                                          0
4231
     Subject: aga for 7 / 7 is forecasted at 68 th...
```

```
Subject: hotel for the wharton trip jennifer ...
4232
4233
     Subject: 2 - survey / information email 5 - 7 ...
4234
     Subject: your approval is requested please be...
                                                           0
4235
     Subject: summer internship dear mr . kaminski...
                                                           0
4236
     Subject: met office presentation . . . vince ...
                                                           0
4237
      Subject: re : var and credit meeting on wednes...
                                                           0
4238
     Subject: re : enron cover letter & resume for ...
4239
     Subject: pr department vince, i received thi...
4240
     Subject: hi hi shirley & vince: happy new y...
4241
     Subject: re : f / u to dr . kaminski @ enron f...
                                                           0
     Subject: request submitted: access request fo...
4242
                                                           0
4243
     Subject: re: another stanford acceptance tha...
                                                           0
4244
     Subject: sheila , gran 't number : (281) 3...
                                                           0
4245
     Subject: re : japanese crude cocktail & prompt...
4246
     Subject: global risk management operations re...
4247
     Subject: additional e - mail addresses vince ...
4248
     Subject: re : meet during cmu visit ? aziz , ...
                                                           0
4249
     Subject: re : monday night rodeo suite - the j...
                                                           0
4250
     Subject: dave d . presentation vince , here ...
                                                           0
     Subject: for vince j kaminski 's approval be...
4251
                                                           0
4252
     Subject: power crisis in the west dear vince ...
4253
     Subject: energy derivatives conference - toron...
4254
     Subject: re : visit to enron yes you did and ...
4255
     Subject: prof . at rice here is this prof 's...
4256
     Subject: wharton fap 2001 webcafe access abou...
                                                           0
4257
     Subject: re: recommendation letter vincent ,...
                                                           0
4258
     Subject: re : airfaire for tony kevin / karin...
                                                           0
4259
     Subject: retail markets conference i would li...
4260
     Subject: special epri mtg on ancillary service...
4261
     Subject: congratulations congratulations on y...
4262
     Subject: enron projects by team enron tiger t...
                                                           0
4263
     Subject: promotion for martin lin sheila , a...
                                                           0
4264
     Subject: re : fw : gmm - 30 mar 2001 jeff , ...
                                                           0
4265
     Subject: interview candidate allen humbolt de...
                                                           0
     Subject: yesterday 's power outage as you ar...
4266
4267
      Subject: re : turkey the group to whom this m...
4268
     Subject: re : lacima energy and weather deriva...
4269
     Subject: hurricane warning derivatives folks ...
4270
     Subject: swaps monitor research . we have tod...
4271
     Subject: re : interviewing candidates for rese...
                                                           0
     Subject: re : summer internships at enron tha...
                                                           0
4272
4273
     Subject: re : shirley , i will take half day...
                                                           0
4274
      Subject: re : meetings with petronas on februa...
                                                           0
4275
     Subject: re : meeting re : wharton strategy
4276
     Subject: henwood power market symposium - apri...
4277
     Subject: energy derivative courses dear vince...
4278
     Subject: entouch newsletter business highligh...
                                                           0
4279
     Subject: data for moody 's riskcalc craig an...
```

```
Subject: re : mscf speaker series pierre ,
4280
4281
     Subject: houston visit with vince kaminski go...
4282
     Subject: re: vacation shirley, no problem ...
                                                         0
4283
     Subject: hc costless collar andrea , we fini...
                                                         0
4284
     Subject: re : ashley baxter - review neil , ...
                                                         0
4285
     Subject: baylor professors lunch i 'm sorry ...
                                                         0
4286
     Subject: re: hello hi vince, thank you for...
4287
     Subject: sat vince, i hope you are having a...
4288
     Subject: re: interview for the research group...
                                                         0
4289
     Subject: re : asset auctions stinson : i don...
                                                         0
4290
     Subject: re : urgent deadline : rsvp by jan 22...
                                                         0
     4291
4292
     Subject: re : copper curve ted , i agree . c...
                                                         0
4293
     Subject: re : summary spreadsheet for data ven...
4294
     Subject: re : university of texas conference o...
4295
     Subject: tage paul : just to let you know i ...
4296
     Subject: re : d - g energy great . i still ha...
                                                         0
4297
     Subject: summer hire molly , we would like t...
                                                         0
4298
     Subject: re : obrona - mba pani agato , dwa ...
                                                         0
4299
     Subject: concerning the move to the 32 nd floo...
                                                         0
4300
     Subject: re: darrell, thanks a lot. a qu...
4301
     Subject: re : my involvement in leadership for...
4302 Subject: re : hi zeigham , we discussed two ...
4303
     Subject: enron credit : more recent business p...
                                                         0
4304
     Subject: pserc iab meeting dear dennis, vin...
                                                         0
4305
     Subject: travel announcement enron global tra...
                                                         0
4306
     Subject: re: research group thanks vince, ...
                                                         0
4307
     Subject: re: network planning stinson, i ha...
     Subject: super saturday june 3 , 2000 gentlem...
4308
4309
     Subject: re : thomas knudsen steve , i shall...
4310
     Subject: re: anshuman srivastava thanks marg...
4311
     Subject: internship opportunities please resp...
                                                         0
4312
     Subject: rendez - vous reporter : tuesday 5 th...
                                                         0
4313
     Subject: re : 1 . power 2000 ; 2 . my proposed...
                                                         0
4314
     Subject: re: many helyette, sorry for not ...
4315
     Subject: re : backtesting for different percen...
     Subject: (no subject) pierre - philippe, ...
4317
     Subject: jaesoo lew vince : jaesoo lew has ju...
     Subject: re : research leads hello team 1 , ...
4318
4319
     Subject: research support in london vince, ...
                                                         0
4320
     Subject: password login kkindal password mar...
                                                         0
4321
     Subject: thank you for renewing your subscript...
                                                         0
4322
     Subject: job well done / bob lee , kenneth par...
                                                         0
4323
     Subject: executive solicitation - united way 2...
                                                         0
4324
     Subject: contact information dear mr . kamins...
4325
     Subject: re : india model vince , i forwarde...
4326
     Subject: brad romine celeste, i was under t...
                                                         0
4327
     Subject: your confirmation is needed please r...
                                                         0
```

```
4328
     Subject: maureen raymond has completed derivat...
4329
     Subject: entouch newsletter business highligh...
4330
     Subject: [ amy @ sdsc . edu : re : caida ' met...
                                                           0
     Subject: re : 1 . your thur . / fri . austin t...
4331
                                                           0
4332
     Subject: do vidzenija! vince, today is the...
                                                           0
4333
     Subject: interview schedule for sanjeev khanna...
                                                           0
     Subject: re: martin lin support for jim hi s...
4335
     Subject: interview with ruewan jayasuriya goo...
4336
     Subject: british pound analysis vince, the ...
4337
     Subject: pricing default and our may 22 confer...
                                                           0
     Subject: request submitted: access request fo...
4338
                                                           0
4339
     Subject: re : insead high - tech acquisitions ...
4340
     Subject: re : grant / anjam per a converstion...
                                                           0
4341
     Subject: re: prc meeting date anne, thanks...
4342
     Subject: re : iris mack let me see what we ca...
4343
     Subject: re : credit . com cv ' s my feedback...
4344
     Subject: 2001 research support for ebs barry ...
                                                           0
4345
     Subject: mit phone interview - zachary inman ...
                                                           0
4346
     Subject: re : grades pam , another group : ...
                                                           0
4347
     Subject: re : yaron ' s resume alison , than...
                                                           0
4348
     Subject: re: message from bogdan thanks vinc...
4349
     Subject: iafe update dear iafe member: i wo...
4350
     Subject: gpcm summary 1999 this has been a gr...
4351
     Subject: lng models can you guys please take ...
4352
     Subject: re : prospective 6 / 22 houston visit...
                                                           0
4353
     Subject: erisks event information thank you f...
                                                           0
4354
     Subject: here 's your chance what do we need...
                                                           0
4355
     Subject: re : fw : opportunities vince i wen...
4356
     Subject: fw : having iris visit london anita ...
4357
     Subject: re : invitation to speak at infocast ...
4358
     Subject: ps on the new xmim tool for excel wh...
4359
     Subject: re : real world option pricing tom ,...
4360
     Subject: vacation carry - over report the vac...
                                                           0
4361
     Subject: re : meeting tuesday dale , your me...
                                                           0
4362
     Subject: re: internship shane, monday woul...
4363
     Subject: re : ( no subject ) jana ,
     Subject: ethylene margin collar simulation mod...
4365
     Subject: mid - year 2000 performance feedback ...
4366
     Subject: request submitted : access request fo...
4367
     Subject: message from anjam s ahmad dear all ...
                                                           0
4368
     Subject: ena meeting and event expenditure app...
     Subject: re : possible rtp conference i look ...
4369
4370
                                                           0
     Subject: re: mutually agreed upon changes oka...
4371
     Subject: powerisk 2000 - more cocktail info
4372
     Subject: re : carnegie mellon kristin , the ...
4373
     Subject: jason sokolov 's removal from ted mu...
4374
     Subject: re : greetings dear professor boyle ...
4375
     Subject: congrats congratulations on your pro...
```

```
Subject: re : grades mr . kaminsky , i still...
4376
4377
               Subject: re : private firm schedule thanks fo...
                                                                                                                                                             0
4378
               Subject: reminder : cera executive roundtables...
                                                                                                                                                             0
               Subject: re : seismic data via satellite bob ...
4379
                                                                                                                                                             0
4380
               Subject: re : rice / enron speakers for fall 2...
                                                                                                                                                             0
4381
               Subject: avg . monthly electricity prices for ...
                                                                                                                                                             0
4382
               Subject: the 1999 form w - 2 and retiree tax f...
4383
               Subject: summer intern for the research group ...
4384
               Subject: vince, here is a rough schedule as ...
                                                                                                                                                             0
4385
               Subject: re : emission trading vince ,
                                                                                                                                                             0
4386
               Subject: short term private firm model : stati...
                                                                                                                                                             0
4387
               Subject: re: real options e & p course larry...
                                                                                                                                                             0
4388
                                                                                                                                                             0
               Subject: re : approval for paulo issler
4389
               Subject: request for training session folks ,...
4390
               Subject: re : eprm 2001 houston layla , my a...
4391
               Subject: research group move to the 19 th floo...
                                                                                                                                                             0
4392
               Subject: research 's summer outlook the rese...
                                                                                                                                                             0
4393
               Subject: howard london hi vince - i just got ...
                                                                                                                                                             0
4394
               Subject: vp & director count for the research ...
4395
               Subject: cal berkeley presentation hello vinc...
                                                                                                                                                             0
4396
               Subject: miscellaneous items good morning tom...
4397
               Subject: re : movie jana , we should have to ...
                                                                                                                                                             0
4398
                                                      Subject: re: rankings thank you.
                                                                                                                                                                  0
4399
               Subject: request submitted: access request fo...
                                                                                                                                                             0
4400
               Subject: 4 - urgent - owa please print this no...
4401
               Subject: request submitted: access request fo...
                                                                                                                                                             0
4402
               Subject: weijun decided not to interview i gu...
                                                                                                                                                             0
4403
               Subject: re: happy new year! shannon, tha...
4404
               Subject: re : confirmation of meeting i ' 11 ...
4405
               Subject: jcc good morning . i apologize for t...
4406
               Subject: usaee conference update from louise b...
4407
               Subject: re : invitation - whartonetevent - ap...
4408
               Subject: re: abstract thanks vince. this i...
                                                                                                                                                             0
4409
               Subject: enron image 2000 video is here enron...
                                                                                                                                                             0
4410
               Subject: re : interview steve , i submitted ...
4411
               Subject: you are now subscribed to the frbnyrm...
               Subject: look forward to hearning from you . ...
4413
               Subject: re : job posting % \left( 1\right) =\left( 1\right) +\left( 1\right) +
4414
               Subject: re : a request vince , i will suppl...
4415
               Subject: interview with enron dear mr . kamin...
                                                                                                                                                             0
4416
               Subject: jcc study here is the information pr...
                                                                                                                                                             0
4417
               Subject: [ no subject ] thanks vince - i didn...
                                                                                                                                                             0
4418
               Subject: re : message from ken rice dorothy ,...
                                                                                                                                                             0
               Subject: resending paper - - - - - - ...
4419
4420
               Subject: allocations becky , please , take a...
               Subject: new jcc stuff vince , i ' m gone thr...
4421
4422
               Subject: re : london research group richard ,...
                                                                                                                                                             0
4423
               Subject: 2 missing from the mailing list hing...
```

```
Subject: vacation carryover want to verify yo...
4424
4425
     Subject: re : software hi helyette , congrat...
4426
     Subject: program posted hello all, the prog...
                                                           0
4427
      Subject: re : your encouragement would be appr...
                                                           0
4428
     Subject: an interview shirley, please sched...
                                                           0
4429
      Subject: ceo meeting with governor johanns to...
                                                           0
4430
     Subject: churn list vince, here is your new...
4431
     Subject: material for thu 2 mar wg meeting fy...
4432
     Subject: credit business plan hi jeff , my r...
4433
     Subject: re : for vince j kaminski 's approva...
                                                           0
4434
     Subject: bad supervisor : me ! norma , i hav...
                                                           0
4435
     Subject: re : henwood query hi karolina ,
                                                           0
4436
                                                           0
     Subject: market opportunity from ut generators...
4437
     Subject: interview with the enron research gro...
4438
     Subject: re : returning you call celeste , w...
4439
     Subject: institutional investor journals profi...
4440
     Subject: oral surgery vince, anita and kevin...
                                                           0
4441
     Subject: re : shalesh jim , i agree with you...
                                                           0
4442
     Subject: new project vasant, vince and i sp...
                                                           0
4443
     Subject: re : suggestion : implementing var ba...
                                                           0
     Subject: henwood stuff and thoughts about valu...
4444
4445
     Subject: re : energy derivatives conference - ...
4446
     Subject: re: resume, jinbaek, we shall in...
4447
     Subject: reminder happy new year to all ! do...
                                                           0
4448
     Subject: re : oracle tables which contain the ...
4449
     Subject: revised budget allocations please di...
                                                           0
4450
     Subject: re : projects i will be working on or...
                                                           0
4451
     Subject: rtp project mr huntington we at the ...
4452
     Subject: re : energy conference - sydney chri...
4453
     Subject: re : loan documents thanks for the k...
4454
     Subject: fw : enron recruitment vince : i ' m...
4455
     Subject: linux - - hit or miss ? network worl...
4456
     Subject: security question dear guys having ...
                                                           0
4457
     Subject: position dear dr . kaminski my name...
                                                           0
4458
     Subject: internal guest access to enrononline ...
4459
     Subject: re : hello from vince kaminski at enr...
     Subject: bogdan szopa - cv vince: can you g...
4461
     Subject: re : carl tricoli carl , depends if...
4462
     Subject: interview schedule good morning:
4463
     Subject: re : super saturday , june 3 , 2000 ...
                                                           0
     Subject: alp presentation hi vince!!
                                                           0
4464
4465
     Subject: re: tanya 's vacation everybody, ...
                                                           0
4466
      Subject: interviews for gary hickerson - wedne...
                                                           0
4467
     Subject: initial meeting of the ena analyst an...
4468
     Subject: re : hello guys john , thanks . i h...
     Subject: re : volume ii of the technical corne...
4469
4470
     Subject: re : real options vince , if you ta...
                                                           0
4471
     Subject: re : efa meetings tom , thanks for ...
```

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Subject: sfa licenses iris : i forwarded the...
4472
4473
     Subject: year end 2000 performance feedback n...
                                                           0
4474
     Subject: iv for rama gatiganti rm fifth floor ...
                                                           0
4475
     Subject: marketpoint business plan summary gr...
                                                           0
4476
     Subject: re: invitation - whartonetevent - ap...
                                                           0
4477
     Subject: re : f / u to dr . kaminski @ enron f...
                                                           0
4478
     Subject: re : hi , jinbaek , great , i look ...
4479
     Subject: re : i am zhendong sure thing ! - - ...
4480
     Subject: re : working gas price model vince -...
4481
     Subject: june 21 - 22 retail electricity confe...
                                                           0
4482
     Subject: re : var meetings in houston shirley...
                                                           0
4483
     Subject: re : enron case studies eric , i ha...
                                                           0
4484
     Subject: meeting on feb 8, 2001 dear sir,
                                                           0
4485
     Subject: real options conference - speaker con...
4486
     Subject: re : d - g energy laine , i can ini...
4487
     Subject: re: weekly report vasant thanks fo...
4488
     Subject: ewrm update , july 7 th . rick atta...
                                                           0
4489
     Subject: resume forwarded at request of brian ...
                                                           0
4490
     Subject: re: portcalc methodology keith, b...
4491
     Subject: re: reschedule clayton, no proble...
                                                           0
4492
     Subject: thomas knudsen interview guys i ' m...
4493
     Subject: new timesheet procedures hello every...
     Subject: edith terry \mbox{scott} , \mbox{i} spoke \mbox{briefly...}
4494
4495
     Subject: may 9 / 10 , 2000 seminar my name is...
                                                           0
4496
     Subject: risk desk , issue # 1 hello - - list...
                                                           0
     Subject: today 's idea dear mr . kaminski , ...
4497
                                                           0
4498
     Subject: re : credit reserve simulation for ee...
                                                           0
4499
     Subject: re : eol wti historical trade simulat...
     Subject: the latest (last?) . . sorry . . ...
4500
4501
     Subject: re : telephone interview with the hou...
4502
     Subject: re : from today 's paper clayton , ...
4503
     Subject: re : current var issues here are the...
4504
     Subject: presentation to dave delainey good m...
                                                           0
                                                           0
4505
     Subject: a message from ken lay and jeff skill...
4506
     Subject: order confirmation thank you for you...
4507
     Subject: re : tage resume submittal vince , ...
4508
     Subject: re : visit vince , > please , give ...
4509
     Subject: re : energy derivatives hi vince , ...
4510
     Subject: interview - jaesoo lew 10 / 25 / 00 ...
4511
     Subject: re : re : conference volume hi vince...
                                                           0
                                                           0
4512 Subject: interview with the enron research gro...
4513
     Subject: strategic management society conferen...
                                                           0
4514
                                                           0
     Subject: e - commerce conference at berkeley ,...
4515
     Subject: additional attachments vince: i fo...
                                                           0
4516
     Subject: contract for henwood engagement sand...
4517
     Subject: reviewer approval please note that y...
4518
     Subject: rice cfos conference christie, thi...
                                                           0
4519
     Subject: the garp 2001 convention dear garp 2...
```

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Subject: re : cairn gas purchase bid vince - ...
4520
4521
     Subject: re : job posting hi vince , this po...
4522
     Subject: re: running credit model tanya, a...
                                                          0
4523
     Subject: [ fwd : new commodity marketplace opp...
                                                          0
4524
     Subject: fw : stanford or - summer intern sti...
                                                          0
4525
     Subject: merry xmas and a happy new year ! hi...
                                                          0
     Subject: re : resume vasant , i agree . vin...
4527
     Subject: re : vandy student kristin , the pr...
4528
     Subject: re : options model jeff , i got 20 ...
                                                          0
4529
     Subject: earth day - trash bash i hardly know...
                                                          0
4530
     Subject: hr deadlines and action items please...
                                                          0
4531
     Subject: spring 2001 conference participation ...
                                                          0
     Subject: re : summer internship jinbaek ,
4532
                                                          0
4533
     Subject: congratulations !!! vince: congr...
     Subject: jacob feedback vince, chonawee and...
4534
     Subject: darden case study on " the transforma...
4535
4536
     Subject: meeting tracy, confirming the meet...
                                                          0
4537
     Subject: re : telephone interview with the enr...
                                                          0
4538
     Subject: enron in india mark, two points . ...
4539
     Subject: re: european energy 2000 vince, i...
                                                          0
4540
     Subject: re : grades mr . kaminsky ,
4541
     Subject: organization announcement given the ...
4542
     Subject: alp presentation this will be in eb ...
4543
     Subject: re: invitation to speak at power 200...
4544
     Subject: ben zhang : nuts ! i also heard from...
                                                          0
4545
     Subject: biliana 's resume geynille, i und...
                                                          0
     Subject: lng meeting hello all: the lng mee...
4546
                                                          0
4547
     Subject: re: vacation in march, april stins...
     Subject: resume of a former fx trader i am fo...
4548
4549
     Subject: re : fyi : uk var issues vince , uk...
     Subject: addition to enron - summer internship...
4550
4551
     Subject: alp presentation hi vince ! ! i ' l...
4552
     Subject: marketing for your espeak session vi...
                                                          0
     Subject: lng hedging vince, fyi. this is s...
                                                          0
4553
4554
     Subject: cal berkeley general presentation con...
     Subject: re : petronas benchmarking visit kha...
4555
4556
     Subject: re : ( no subject ) thanks vince . ...
4557
     Subject: jury duty shirley, i have been sum...
     Subject: re : fw : fw : visit to enron by prof...
4558
4559
     Subject: re: real time var tanya, thank yo...
                                                          0
     Subject: ftr team , the copy of the auction r...
                                                          0
4560
     Subject: re: your questions and requests to j...
4561
                                                          0
4562
     Subject: re : access to o ; . . . please , gr...
                                                          0
4563
     Subject: re : check and car hire - - - - ...
                                                          0
4564
     Subject: re : confirmation of meeting fyi - ...
4565
     Subject: re : hi ! please delete this soon as...
4566
     Subject: re : bfl - jim woods info al , than...
                                                          0
4567
     Subject: re: mgmt 656 let me know if you nee...
```

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4568
     Subject: message 3 ps : attached with the fly...
4569
     Subject: elena chilkha please fill - out the ...
4570
     Subject: prof . carmona yannis , i have look...
                                                          0
     Subject: my new email address hello - please...
4571
                                                          0
     Subject: re : fed ex from iris molly , yes ,...
4572
                                                          0
4573
     Subject: re : var model - some questions i kn...
                                                          0
     Subject: (no subject) dear dr. kaminski: ...
4575
     Subject: meetings with petronas on february 8 ...
4576
     Subject: vlady gorny barbara, i called vlad...
4577
     Subject: re : seminar on beyond ols clayton ,...
                                                          0
4578
     Subject: re : financial engineering associates...
                                                          0
4579
     Subject: re : completion of ibuyit request for...
                                                          0
4580
                                                          0
     Subject: re : contract update vince , if ther...
4581
     Subject: sas to the group: if you wish to u...
4582
     Subject: new resume dear vince, i am so gra...
     Subject: re : enron / stanford program vince ...
4583
4584
     Subject: july conference on real options plea...
                                                          0
     Subject: capa 2000 conference vince and stins...
                                                          0
4585
4586
     Subject: proposal submission francois and ken...
4587
     Subject: re: weatherdelta demonstration sched...
                                                          0
4588
     Subject: re : time keeping what about me !
     Subject: re : hi ! - - - - - - - ...
4589
4590
     Subject: restricted list neither ena / rac / ...
4591
     Subject: re: lloyd, i think that we can ar...
                                                          0
     Subject: re : grant masson fyi . i shall not ...
                                                          0
4592
4593
     Subject: california update 5 / 22 / 01 please...
                                                          0
     Subject: re : sddp tom , can you send the in...
4594
                                                          0
4595
     Subject: re : comments fyi . - - - - - - ...
4596
     Subject: garp fas 133 training garp philip m...
4597
     Subject: mid - year 2000 performance feedback ...
4598
     Subject: re : new color printer this is the c...
4599
     Subject: publishable research . . . . . vin...
4600
     Subject: overview of hr associates / analyst p...
                                                          0
     Subject: review and starting on october 2 vin...
                                                          0
4601
     Subject: fw : having iris visit london anita ...
4602
4603
     Subject: re: real world option pricing hey v...
     Subject: correlation matrix reduction zhiyang...
                                                          0
4605
     Subject: pricing default and our may 22 confer...
     Subject: re : support for exotica i briefed v...
4606
4607
     Subject: greg ball interview shirley: could...
                                                          0
                                                          0
4608
     Subject: re : energy and e - business : a brie...
4609
     Subject: anonymous reporting facilities this ...
                                                          0
4610
     Subject: the installation of the equipment you...
                                                          0
4611
     Subject: rooming list for enron offsite candi...
                                                          0
     Subject: enron cost of capital vince - tim d...
4612
4613
     Subject: tw capacity options we 're at the p...
4614
     Subject: risk assessment this is to confirm t...
4615
     Subject: derivative classes i discovered that...
```

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4616
     Subject: re : copper curve tani , please tou...
4617
     Subject: risk management book order vince, ...
                                                           0
     Subject: sevile vasant , i spoke with norma \dots
4618
                                                           0
     Subject: chairman 's award - supervisor annou...
4619
                                                           0
4620
     Subject: enronoptions - your stock option prog...
                                                           0
      Subject: re : jeff , the meeting is schedule...
4621
                                                           0
     Subject: re : video conference for interview :...
4623
     Subject: re : off site with john griebling 's...
     Subject: fwd : follow - up call return - path...
4624
4625
     Subject: re: grades thank you! - pam at 08...
                                                           0
     Subject: re: tani, yes, i am aware of it ...
4626
                                                           0
4627
      Subject: storage model change : commodity delt...
                                                           0
4628
                                                           0
     Subject: forward oil prices john , i am forw...
4629
     Subject: institutional investor journals profi...
4630
     Subject: natural gas storage research i am wo...
     Subject: re : resume - norberto valdes elizab...
4631
                                                           0
4632
     Subject: dinner speaker - may 23 shirley,
                                                           0
     Subject: re : thank you \,\, dear vince , \, it was ...
                                                           0
4633
     Subject: lng by rail vince, i was thinking ...
4634
                                                           0
4635
     Subject: spring 2001 module and calendar sched...
                                                           0
     Subject: mid - year 2000 performance feedback ...
4636
4637
     Subject: re: sharad agnihotri kate, has th...
4638
     Subject: hickerson / egm knowledge management ...
4639
     Subject: grms access grant & vince , i have ...
                                                           0
4640
     Subject: petrochem desk i had a chance to spe...
                                                           0
4641
     Subject: book order julie, we received the ...
                                                           0
     Subject: re: research and development charges...
4642
                                                           0
     Subject: re : tanya ' s vacation tanya , no ...
4643
4644
     Subject: re : lsu seminar visit dear vince , ...
4645
     Subject: energy extravaganza - 2 weeks away ! ...
4646
     Subject: fw : final revised document . thanks ...
4647
      Subject: re : i am zhendong sure thing ! - - ...
4648
     Subject: subscription renewals vince: do yo...
                                                           0
     Subject: message 2 i am sorry to send you the...
                                                           0
4649
4650
     Subject: re : information vince ,
                                           i will loo...
4651
      Subject: computers from research group good m...
     Subject: re : replied resume vince / sally i...
     Subject: mg memo \, i am sending you an updated \,...
4653
4654
     Subject: managing energy price risk - - second...
4655
     Subject: web based expense report implementati...
                                                           0
                                                           0
4656
     Subject: re : visiting enron giuseppe , than...
4657
      Subject: demand price elasticities here are e...
                                                           0
4658
      Subject: williams licenses prosrm capacity man...
                                                           0
4659
     Subject: re: next visit to houston ed, is...
4660
     Subject: re : rtp project please count the fo...
4661
      Subject: capital book to further the process ...
4662
     Subject: re : manabu matsumoto hi lucy / nata...
                                                           0
4663
     Subject: thank you . i would like to take thi...
```

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Subject: follow - up on siam workshop i am fo...
4664
4665
     Subject: forma platnosci z " inzynierie finans...
                                                           0
4666
     Subject: evaluations - enron please pass this...
                                                           0
      Subject: re : programming for rdi model miche...
4667
                                                           0
4668
     Subject: outsourcing communication access . b...
                                                           0
     Subject: informal interview with the enron res...
4669
                                                           0
     Subject: chapter hi vince, ? how are thing...
4671
     Subject: vince kaminski 's bio good morning ...
4672
     Subject: re : cplex i agree . i ( or chonawee...
4673
     Subject: super saturday iv interviews thank y...
                                                           0
4674
     Subject: enterprise risk management dear vinc...
                                                           0
4675
     Subject: re : default rates per our discussio...
                                                           0
4676
     Subject: telephone interview with the research...
                                                           0
4677
     Subject: re : spring 2001 conference participa...
4678
     Subject: resignation effective june 5 vince ,...
4679
     Subject: re : confidential sophie - what do w...
4680
     Subject: re : invitation . . . welcome new ana...
                                                           0
     Subject: revenue management meeting please pl...
                                                           0
4681
     Subject: re : enron offsite hi steve : liste...
4682
                                                           0
4683
     Subject: interview with the enron corp . resea...
                                                           0
     Subject: message from bogdan hi vince, i am...
4684
4685
     Subject: as promised . . . 2 guys , vince hi ...
4686
     Subject: wharton tiger team agenda friends , ...
4687
     Subject: re: fwd: invitation to the 20 th an...
                                                           0
     Subject: site license for power world gentlem...
                                                           0
4688
4689
     Subject: siam invitation dear dr . kaminski ...
                                                           0
     Subject: re : job posting please respond to v...
4690
                                                           0
4691
      Subject: re : running credit model steve , i...
4692
     Subject: confirmation of your order this is a...
4693
     Subject: re : hello hi vince , thank you for ...
     Subject: pr resume - - - - - - - ...
4694
4695
     Subject: status vasant - i hope you had a wo...
                                                           0
4696
     Subject: re : alberto jimenez ( analyst progra...
                                                           0
     Subject: mentor / summer associate program as...
                                                           0
4697
4698
     Subject: re : consulting arrangement thanks v...
                                                           0
4699
     Subject: stinson out on jan . 4 , 2000 shirle...
4700
     Subject: working paper list & etc dear vince ...
4701
     Subject: california power 1 / 19 / 00 executi...
     Subject: vince 's travel itinerary ludmilla ...
4702
4703
     Subject: interview schedule for alex tartakous...
                                                           0
     Subject: tiger team hi vince, re: my voice...
                                                           0
4704
     Subject: re : a quant i did . . . trying to g...
4705
                                                           0
4706
     Subject: propane prices vince, please find ...
                                                           0
4707
     Subject: please add our contact information to...
4708
     Subject: research intelligence stinson, ple...
4709
     Subject: re: tom halliburton dear all: a f...
4710
     Subject: possible summer internship with enron...
                                                           0
4711
     Subject: re : enron / stanford program vince ...
```

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4712
     Subject: re: tanya vacation brad, can we r...
                                                           0
4713
     Subject: agenda christian - i was thinking t...
                                                           0
4714
     Subject: re: vacation shirley, no problem ...
                                                           0
     Subject: re : contingencies steve ,
4715
                                            i shall ...
                                                           0
4716
     Subject: re : lost cell telephone chris , th...
                                                           0
4717
     Subject: 21 st annual energy symposium - novem...
                                                           0
     Subject: gpcm modeler news: august 31, 2000 ...
4719
     Subject: re : enroncredit . com vasant , tany...
4720
     Subject: re : eott options tracy , attached ...
4721
     Subject: re : contract agreement habiba ,
                                                           0
4722
     Subject: re : new invoice for energy and weath...
                                                           0
4723
     Subject: petrochem desk vasant, it seems we...
                                                           0
     Subject: re : enron credit model docs for the ...
4724
                                                           0
4725
     Subject: enron announcement car rental option...
4726
     Subject: spring 2001 schematic spring 2001 fa...
     Subject: approval ( sent by nguyen griggs )
4727
4728
     Subject: very rough draft of the " enron strat...
                                                           0
4729
     Subject: re : pserc industrial advisory board ...
                                                           0
4730
     Subject: re : youyi vince , this will be perf...
4731
     Subject: re : fw : possible visit to enron by ...
                                                           0
4732
     Subject: re : full version darrell ,
4733
     Subject: follow - up on siam workshop i am fo...
4734
     Subject: hea 's 34 th annual sports tournamen...
     Subject: re : datren williams acceptance what...
4735
     Subject: outage pricing model revision : allow...
4736
4737
     Subject: academic seeks job find below resume...
                                                           0
4738
     Subject: resumes karen , i have forwarded al...
                                                           0
4739
     Subject: sas online tutorial hi - we have ac...
4740
     Subject: re: loan recommendation form li, ...
4741
     Subject: daily rates - jackups john : claudi...
4742
     Subject: thanks for your help!! vince,
4743
     Subject: re : implementation of smothing algor...
                                                           0
4744
     Subject: real options conference programs ( uc...
                                                           0
     Subject: baxter 16 oct . please review the fol...
                                                           0
4745
4746
     Subject: vacation time available here is a li...
4747
     Subject: re : consulting arrangement sheridan...
     Subject: re : vacation shrley , no problem ...
4749
     Subject: re : kellogg class information on rea...
4750
     Subject: re : ca for henwood engagement stins...
4751
     Subject: re : enron site / mepr 2 sorry vince...
     Subject: fw : afternoon tea with fea vince : ...
                                                           0
4752
4753
     Subject: re: holidays and vacations tanya, ...
4754
     Subject: re : a request dr . lu , i would be ...
                                                           0
4755
     Subject: organizational announcement : industr...
4756
     Subject: org announcement - enron global marke...
4757
     Subject: erisk iconference 4 / 11 / 2001 plea...
4758
     Subject: re : congratulations . congrats to y...
                                                           0
4759
     Subject: re : fw : luncheon meeting : asap he...
```

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4760
     Subject: california power rick & ted , one m...
4761
     Subject: re : zakup ksiazki w wnt - " inzynier...
                                                           0
4762
     Subject: here 's a 4 th try !!! - - - - ...
                                                           0
     Subject: re: mathworks molly, we have a re...
                                                           0
4763
4764
     Subject: re: enron case study outstanding, ...
                                                           0
     Subject: mark lay vince: mark had not receiv...
4765
                                                           0
     Subject: re : financial engineering associates...
4767
     Subject: re : follow - up on siam workshop vi...
4768
     Subject: congratulations congratulations on y...
4769
     Subject: re : prospective 6 / 22 houston visit...
                                                           0
     Subject: re : sharad update hi kate , firstl...
4770
                                                           0
4771
     Subject: re: weather and energy price data m...
                                                           0
4772
                                                           0
     Subject: stephen bennett norma , i fully con...
4773
     Subject: fw : enron recruitment vince : i ' m...
4774
     Subject: re : cairn gas purchase bid vince , ...
     Subject: offer to rakish (sp?) vince, no...
4775
                                                           0
4776
     Subject: re : saturday jana , saturday looks...
                                                           0
4777
     Subject: request submitted: access request fo...
                                                           0
4778
     Subject: more hedge effectiveness testing vin...
                                                           0
     Subject: vacation day feb . 16 shirley , ple...
4779
                                                           0
     Subject: california power 1 / 19 / 00 1 . leg...
4780
4781
     Subject: re : joint probabilities bob - than...
4782
     Subject: agenda for mission possible meeting ...
4783
     Subject: followup patricia, i have forwarde...
                                                           0
4784
     Subject: re : tom costantino i 'll set him u...
                                                           0
4785
     Subject: re : interviews vince , no problem ...
                                                           0
     Subject: real options 2000 ? please find enc...
4786
                                                           0
4787
     Subject: one page background and position stat...
4788
     Subject: bonds the difference is $ 4, 391 . ...
4789
     Subject: correction : interim report to gary h...
     Subject: re : the garp 2001 convention andrea...
4790
                                                           0
4791
     Subject: re : address shirley , they are fro...
                                                           0
4792
     Subject: gene humphrey / mark palmer vince : ...
                                                           0
4793
     Subject: re : your guest for financial mathema...
                                                           0
     Subject: re : fw : fw : get together this comi...
4794
4795
     Subject: enron recruiting / mscf speaker serie...
     Subject: re: livelink test for research moye...
4797
      Subject: re : workshop helyette , i shall be...
4798
     Subject: weather person for london egm we nee...
4799
     Subject: wharton program for business journali...
                                                           0
4800
                                                           0
     Subject: re : current address for brad romine ...
     Subject: cost sharing of subscription to poten...
4801
                                                           0
4802
      Subject: new information about transfers hi ,...
                                                           0
4803
     Subject: enside newsletter good afternoon, m...
4804
     Subject: reporting lines vince i 've just h...
4805
     Subject: re : support for exotica steve , i ...
4806
      Subject: cal berkeley vince and john , i wan...
                                                           0
4807
      Subject: credit reserve vince, i 'd like t...
                                                           0
```

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Subject: pac reminder last month you received...
4808
4809
     Subject: re : telephone interview with enron c...
                                                           0
4810
     Subject: video conference with the mars corp ...
                                                          0
      Subject: re : follow - up eric , mandeep cha...
4811
                                                           0
4812
     Subject: re: programming for rdi model miche...
4813
     Subject: mid - year 2000 performance feedback \dots
     Subject: cal berkeley career fair recruiting ...
4815
     Subject: pjm publishes list of 1000 contingenc...
4816
     Subject: long sleeve denim shirts with the enr...
                                                           0
4817
     Subject: meeting at 2:00 pm friday kevin, ...
                                                           0
4818
     Subject: year end 2000 performance feedback n...
                                                           0
4819
     Subject: re: thank you for the e - mail. jo...
                                                           0
     Subject: our meeting vince : i enjoyed meeti...
4820
                                                           0
4821
      Subject: energy finance conference presentatio...
4822
     Subject: re: thanks vince. dinner on sunda...
4823
     Subject: wallet size telephone cards for the r...
                                                           0
4824
     Subject: presentation to faculty and students ...
                                                           0
     Subject: re : check julie , a clarification ...
4825
                                                           0
4826
     Subject: hello all , the program for the 2000...
                                                           0
4827
      Subject: re : hello from vince kaminski at enr...
                                                           0
4828
     Subject: re : kmi end - user license agreement...
4829
     Subject: ms 150 dear friends and family, on...
4830
     Subject: request submitted : access request ( ...
4831
     Subject: address
                       ----<u>...</u>
                                                           0
     Subject: re : your visit to carnegie mellon k...
                                                           0
4832
4833
     Subject: re : managing energy price risk - 2 n...
                                                           0
4834
     Subject: re : ll visa - anshuman shrivastava ...
                                                           0
4835
     Subject: rick jones 'address 18 pale dawn pl...
4836
     Subject: storage model audit vince, enclose...
4837
     Subject: presentation on equilibrium modeling ...
4838
     Subject: updated message - preliminary ranking...
4839
      Subject: re : credit article dear vince than...
                                                           0
4840
     Subject: re: panel session at 2001 pes summer...
                                                           0
4841
     Subject: network design optimization . fyi , ...
                                                           0
4842
     Subject: dinner for summer interns vince, t...
4843
     Subject: re : london research group i ' d do ...
     Subject: re: thank you!!! vince j kamins...
4845
     Subject: reminder : all - employee meeting th...
4846
     Subject: my model for spikes dear dr . kamins...
4847
      Subject: fw : more energy amends fiona , ? ...
                                                           0
                                                           0
4848
     Subject: james valverde - interview schedule ...
4849
     Subject: welcome to - energy news live dear v...
                                                           0
4850
      Subject: re : uc - berkeley graduate student ...
                                                           0
4851
     Subject: interviewing for the associate and an...
4852
     Subject: re : request for two powerpoint prese...
4853
      Subject: re : enroncredit . com alex worked w...
4854
      Subject: re : seeking opportunity in computati...
                                                           0
4855
     Subject: re : interview with the enron researc...
                                                           0
```

```
Subject: letter to academics vince, ? hi, ...
4856
4857
     Subject: re : update - meteorologist search g...
4858
     Subject: re: introduction i would be very ha...
                                                          0
     Subject: re : grades thank you ! ? you have ...
                                                          0
4859
4860
     Subject: re : request for payroll reclassifica...
                                                          0
4861
     Subject: following our stanford relationship ...
                                                          0
     Subject: fyi due to the out of town deliverie...
4863
     Subject: enron / stanford program hello vince...
4864
     Subject: enron global finance org changes rec...
                                                          0
4865
     Subject: re : ewrm outline vince thanks - ba...
                                                          0
     Subject: enron research and ebs engineering an...
                                                          0
4866
4867
     Subject: pac enrollment last year the enron p...
4868
                                                          0
     Subject: precious metals var jason,
                                             after o...
4869
     Subject: re : stanford mba - interview hi vin...
4870
     Subject: credit risk update vince, per bill...
4871
     Subject: re : e - commerce & continental europ...
4872
     Subject: march ny real options conference ple...
                                                          0
     Subject: contacts at uh for " econo - physics ...
                                                          0
4873
4874
     Subject: re : hari , i shall send you a repr...
                                                          0
4875
     Subject: fw : london work hi , how are you ?...
                                                          0
4876
     Subject: re : energy conference mark , we ar...
4877
     Subject: organization announcement enron purc...
4878
     Subject: eol wti historical trade simulation -...
4879
     Subject: an apology kevin - i need to apolog...
     Subject: friday off --------
4880
     Subject: lng "book "meeting hello bjorn: ...
4881
                                                          0
     Subject: var david , during today 's var co...
4882
                                                          0
4883
     Subject: re : action learning project and enro...
4884
     Subject: re : corporate allocation from enron ...
4885
     Subject: times 2 filing units pat : recently...
4886
     Subject: london exotica library migration fyi...
4887
     Subject: java for managers !!! vince, dur...
4888
     Subject: tuesday interview rachel, i would ...
                                                          0
                                                          0
4889
     Subject: re : backwardation hedge strategy we...
     Subject: kirstee 's role in london vince : ...
4890
4891
     Subject: free two week ft - online trial - - ...
     Subject: my accomplishment attached please fi...
4893
     Subject: re : enron / stanford program nick ,...
4894
     Subject: re : congratulations thanks vince . ...
4895
     Subject: re : aiesec polska - eurolds 2000 dr...
                                                          0
     Subject: re : chapter chris , my part has no...
                                                          0
4896
4897
     Subject: organizational changes to : enron no...
4898
     Subject: metals curves hi maureen i hope you...
                                                          0
4899
     Subject: daily natural gas price outlook vinc...
4900
     Subject: credit business plan hi jeff , my r...
4901
     Subject: re : development of a program in " ec...
4902
     Subject: final details for energy course hi ,...
                                                          0
4903
     Subject: re : stanford project - - - - - ...
                                                          0
```

```
4904
     Subject: update : ffvols ted , an update on ...
4905
     Subject: re : stinson gibner paula : he shou...
4906
     Subject: fw : enron contact info vince and je...
                                                           0
      Subject: re : lloyd , yes , this would be ve...
4907
                                                           0
4908
     Subject: mg var hi - i just wanted to thank c...
                                                           0
      Subject: re : czesc wicku , oczywiscie , ze \dots
4909
                                                           0
     Subject: high frequency market data analysis ...
4911
     Subject: merry christmas dear mr . kaminski ,...
4912 Subject: re: thursday visit frank,
                                             we are ...
4913
     Subject: marketing ideas for power 2000 dear ...
                                                           0
     Subject: hi vince, after we hung up the phon...
4914
                                                           0
4915
     Subject: the delivery of the equipment you ord...
                                                           0
4916
                                                           0
     Subject: entouch newsletter business highligh...
4917
     Subject: fwd : mark - to - market return - pa...
4918
     Subject: rabi de shirley, vince decided to ...
4919
     Subject: re : fw : energy book promotion juli...
4920
     Subject: re : vince ' s london visit hi wendy...
                                                           0
4921
     Subject: pjm customer load reduction pilot pro...
                                                           0
4922
     Subject: 1 candidate and 2 interns bryan ple...
                                                           0
4923
     Subject: directions to the tamiment resort and...
                                                           0
4924
     Subject: presentation slides good morning vin...
4925
     Subject: a colossal and dangerous failure - ce...
4926
     Subject: (no subject) dear professor shreve...
4927
     Subject: re : howard haughton : no can do for ...
4928
     Subject: changes in option valuation in enpowe...
                                                           0
4929
     Subject: re : storage book / luken ' s storage...
                                                           0
4930
     Subject: monte - carlo library stinson,
                                                           0
4931
     Subject: interview schedule - iris mack attac...
4932
     Subject: re : dinner julie , thanks for the ...
4933
     Subject: nytimes . com article : the real wolf...
4934
     Subject: thanks hi keith! thanks so much fo...
4935
     Subject: re : var for metals ted , anjam 's ...
4936
     Subject: reuters: ecommerce mr kaminski, t...
                                                           0
4937
     Subject: re : costless collar for hanover bob...
                                                           0
4938
     Subject: re : giuseppe cell phone stinson , ...
4939
      Subject: re : var vince thanks for the updat...
4940
     Subject: re : video conference with ross mcint...
4941
     Subject: the national forum on corporate finan...
4942
     Subject: us gas storage growth huge growth in...
4943
     Subject: re : clewlow and strickland book ste...
                                                           0
                                                           0
4944
     Subject: re : my model for spikes valery ,
4945
     Subject: visit to enron tom , i am forwardin...
                                                           0
4946
      Subject: re : part - time work cantekin we s...
                                                           0
4947
     Subject: re : dinner speaker - may 23 dear mr...
4948
     Subject: re : pre - meeting weathereffects sit...
4949
     Subject: re: monday presentation corrected i...
4950
     Subject: re : henwood query good talking with...
                                                           0
4951
     Subject: re : fea announces the release of @ e...
```

```
Subject: re : check vince , ? please find a...
4952
                                                           0
4953
     Subject: calculating bid - ask prices this is...
                                                           0
4954
     Subject: re : alpbacher finanzsymposium 2000 -...
                                                           0
      Subject: visiting enron may 4 th vince ( and ...
4955
                                                           0
4956
     Subject: re: martin lin stinson, thank you...
                                                           0
4957
      Subject: rice / enron finance seminar series ...
                                                           0
4958
     Subject: tage resume submittal i have no need...
4959
     Subject: computerworld article fyi : several ...
4960
     Subject: contact details dear mr . kaminski ...
4961
     Subject: @ ect . enron . com email notificatio...
                                                           0
4962
     Subject: new frbny research : 5 / 3 now avail...
                                                           0
4963
     Subject: request submitted: access request fo...
4964
                                                           0
     Subject: ena analyst and associate "brownbag ...
4965
     Subject: electricity prices vince, please f...
4966
     Subject: latest update on bp margin collar dea...
4967
     Subject: update on ut - enron activities : my ...
                                                           0
4968
     Subject: re : trading ag prods . vince , jus...
                                                           0
                                                           0
4969
     Subject: program donna , i am sending you , ...
     Subject: fw : fea announces the release of @ e...
4970
                                                           0
4971
     Subject: re : resume i appreciate your recomm...
                                                           0
4972
     Subject: tage resume submittal vince, two c...
4973
     Subject: re: real options conference in cambr...
4974
     Subject: re : template for a proposal mark & ...
4975
     Subject: rollover of my vacation days to 2001 ...
                                                           0
4976
     Subject: finance club : e - trading and fixed ...
                                                           0
4977
     Subject: good morning vince, two items. un...
                                                           0
4978
     Subject: interview schedule for aram sogomonia...
                                                           0
4979
     Subject: the latest (last?) . . as columbo...
     Subject: re : enron offsite let 's do it ! a...
4980
4981
     Subject: enron credit modeling discussions hi...
     Subject: invitation - whartonetevent - apr 20 \dots
4982
4983
     Subject: a few times still available we still...
                                                           0
4984
     Subject: re : book order julie , there are m...
                                                           0
     Subject: research seminar vince has asked tha...
                                                           0
4985
4986
     Subject: re: real options article steve,
4987
      Subject: re : conference room kevin yes , it ...
4988
     Subject: presentation - integrating market ris...
4989
      Subject: re: subscriptions stephanie, plea...
4990
     Subject: re : baylor - enron case study cindy...
4991
     Subject: 7 - 1 - 00 to 7 - 15 - 00 off duty an...
                                                           0
                                                           0
4992
     Subject: operating & strategic plan 2001 - 200...
4993
     Subject: budget hi dale following discussion...
                                                           0
4994
                                                           0
      Subject: v @ r methodology for metal positions...
4995
     Subject: re: mountaintop meetings next week ...
4996
     Subject: hedge effectiveness test for fair val...
4997
      Subject: your job application to enron researc...
4998
      Subject: 1 / 2 day seminar : the new texas ele...
                                                           0
4999
     Subject: transport fuel p / l - - - - - - ...
                                                           0
```

```
Subject: options library links elena , the n...
5000
5001
     Subject: worth a careful reading best regards...
                                                           0
5002
     Subject: re : stinson vacation in feb . stins...
                                                           0
5003
     Subject: re : corporate card yes tony , mike...
                                                           0
5004
     Subject: dba administrator cecil, i 've sp...
                                                           0
     Subject: energy & power risk management 2001 ,...
5005
                                                           0
     Subject: fwd : fw : will you be the difference...
5007
     Subject: re : jcc that this email constitutes...
5008
     Subject: re : trip to houston another student...
5009
     Subject: re : vince kaminski 's oct . 11 pres...
                                                           0
5010
     Subject: new computers hi lyn: hope things ...
                                                           0
5011
     Subject: re : eprm article julie / vince ? ...
                                                           0
5012
     Subject: uk inflation and storage model hi zi...
                                                           0
     Subject: re : credit . com cv 's could we ta...
5014
     Subject: hiring at a vp level jeff , i want ...
     Subject: re : recruiting vince , thank you s...
5015
                                                           0
5016
     Subject: gaming of neta prices - constraints o...
                                                           0
5017
     Subject: re : var vince thanks for the updat...
                                                           0
     Subject: december 15 th super saturday friday ...
5018
                                                           0
5019
     Subject: promotion vince, congrats on your ...
                                                           0
     Subject: re : lsu seminar visit jim ,
5020
5021
     Subject: re : possible hire ? kathy , thanks...
5022
     Subject: fw : application for open positions w...
5023
     Subject: webi proposal vince : per your reque...
                                                           0
5024
     Subject: re : hello gerry , let me review my...
                                                           0
5025
     Subject: re : mba polish speakers does he kno...
                                                           0
     Subject: todd kimberlain vince / vasant :
5026
                                                           0
5027
     Subject: re : agenda for thursday 's meeting ...
5028
     Subject: interview thanks dear dr . kaminski ...
5029
     Subject: dr . kaminski , on wednesday , june ...
     Subject: bios of mit participants vince : bio...
5030
5031
     Subject: technical corner article a proposed ...
                                                           0
5032
     Subject: re : pserc iab - who we are i have c...
                                                           0
5033
     Subject: re : mid - project review dates - enr...
                                                           0
5034
     Subject: fall 2001 module schedule and fall 20...
5035
     Subject: matlab at enron hello vince: i ' m...
5036
     Subject: proj . x analytics diligence paul , ...
5037
     Subject: re : tanya ' s vacation this is just...
5038
     Subject: re : matthew williams i ' m entirely...
5039
     Subject: re : letter thanks a lot for the let...
                                                           0
5040
     Subject: organization announcement we are ple...
                                                           0
     Subject: re : re [ 4 ] : greetings from london...
5041
                                                           0
5042
                                                           0
      Subject: swaps monitor research . we have tod ...
5043
     Subject: re: 2001 fma european conference th...
5044
     Subject: re : firm power sale from phase i - i...
5045
     Subject: re: weatherdelta demonstration sched...
5046
     Subject: re : the package dear vince , thank...
                                                           0
5047
     Subject: re: urgent deadline: rsvp by jan 22...
```

```
Subject: free latex go to http://www.wi...
5049
     Subject: request for visit and meeting these ...
5050
     Subject: re : seismic data via satellite fyi ...
                                                           0
5051
     Subject: re : trying to find fat tails naveen...
                                                           0
5052
     Subject: congratulations ! congratulations ! ...
                                                           0
     Subject: fw : understanding & applying financi...
5053
                                                           0
     Subject: my resume hi , dr . kaminski : glad...
5055
     Subject: fyi = re : color copier kevin , upd...
     Subject: re : from vicky windsor dear vince ,...
5056
5057
     Subject: re : class request : xl 97 chart - 57...
5058
     Subject: re : associate / analyst super saturd...
                                                           0
     Subject: message from s . leppard hello vince...
5059
5060
     Subject: enron and the new economy value resea...
                                                           0
     Subject: forwarded email - - - - - - ...
5061
5062
     Subject: re : waco visit great . why don ' t ...
5063
     Subject: summer intern we can hire the person...
5064
     Subject: re : congratulations thanks vince . ...
5065
     Subject: re : exmar deal dear vince , this i...
                                                           0
     Subject: re : 2 - survey / information email 5...
5066
5067
     Subject: see page 1 best regards, jhherbert...
                                                           0
5068
     Subject: enron : wefa luncheon may 1 lloyd : ...
5069
     Subject: re : clayton vernon i have some conc...
5070
     Subject: re: tony hamilton tony has already ...
     Subject: re : site license for power world ri...
5071
                                                           0
     Subject: re : raptors no - - - - original ...
                                                           0
5072
5073
     Subject: re : grades pam , another group : ...
                                                           0
5074
     Subject: re : mg metals : summary of var metho...
                                                           0
5075
     Subject: replied resume i am forwarding a res...
5076
     Subject: iafe membership shirley, please, ...
5077
     Subject: re : trip to san francisco 3 / 19 - 3...
     Subject: black table for conference room and f...
5078
5079
     Subject: hello from charles shen at williams c...
5080
     Subject: re : turkey the group to whom this m...
                                                           0
5081
     Subject: career opportunity dear mr . kaminsk...
                                                           0
     Subject: resume for insurance candidate hi vi...
5082
5083
     Subject: re : probation period - matthew willi...
5084
     Subject: update / event time change shirley ,...
5085
     Subject: re : informal exploratory interview w...
5086
     Subject: wti crude price and ny harbor resid p...
5087
     Subject: re : weather course vince , i ' ve ...
                                                           0
     Subject: enroncredit . com - credit pricing me...
                                                           0
5088
     Subject: re : powerisk 2001 - your invitation ...
5089
5090
      Subject: re: wharton business plan competitio...
                                                           0
5091
     Subject: riskcenter . com / flatiron group all...
5092
     Subject: re : my model for spikes valery,
5093
     Subject: papers vince, did you receive this...
5094
     Subject: fw : aram g . sogomonian norma , th...
                                                           0
5095
     Subject: re : stanford mba - interview hi vin...
```

```
Subject: 2001 budget for research sir , i ju...
5096
5097
     Subject: re : argentina power & gas market mod...
5098
     Subject: tim hiezenrader stinson gibner wante...
                                                           0
5099
     Subject: approval for reviewer gibner, peyto...
                                                           0
5100
     Subject: timesheets hello everyone: well it...
                                                           0
     Subject: fwd : summer internship - - ph . d . ...
5101
                                                           0
     Subject: zimin 's father vince and stinson ,...
5103
     Subject: introduction mark , mike , i have s...
5104
     Subject: non - firm power curve building hi v...
                                                           0
5105
     Subject: gas model sorry so much time has pas...
                                                           0
5106
     Subject: re : ut conference trustees ' meeting...
                                                           0
5107
     Subject: re : creditmanager net meeting aidan...
                                                           0
5108
     Subject: var , reporting and resources meeting...
                                                           0
     Subject: re : corporate card yes tony , mike...
5110
     Subject: launch issue / the risk desk dear tr...
     Subject: re : var priorities vince thanks fo...
5111
5112
     Subject: requests for help krishna,
                                                           0
                                             i have ...
5113
     Subject: joe h . vince , mark tawney called ...
                                                           0
     Subject: alp presentation this will be in eb ...
5114
5115
     Subject: grades pam , another team : elena ...
                                                           0
     Subject: p + option valuation model mark,
5117
     Subject: re : hello from vince kaminski at enr...
5118
     Subject: re : request for historical curve inf...
     Subject: fwd : hello from charles shen at will...
5119
5120
     Subject: chicago partners i have received an ...
     Subject: re : james " brad " aimone shirley ,...
5121
                                                           0
     Subject: thanks again vince and stinson, i ...
5122
                                                           0
5123
     Subject: amit , paulo , and juan carlos , feb ...
5124
     Subject: organizational announcement enron gl...
5125
     Subject: re : the next newsletter dear vince ...
5126
     Subject: re : the spreadsheet for talon deal ...
5127
     Subject: re : visual numerics cnl licensing is...
                                                           0
5128
     Subject: fw : london work hi , how are you ?...
                                                           0
5129
     Subject: re : high - end desktop computing ? ...
                                                           0
5130
     Subject: re : corrections to chap . 3 from gra...
5131
     Subject: frank qian - cancelled interview sche...
     Subject: european power trading dear mr kamin...
     Subject: analyst candidate mitra mujica if mi...
5133
5134
     Subject: re : prc feedback forms gina , i sh...
5135
     Subject: the light at the end of tunnel! hi ...
                                                           0
     Subject: summary of last 6 months projects de...
                                                           0
5136
     Subject: meeting with vince dear shirley,
5137
5138
     Subject: re : pserc industrial advisory board ...
                                                           0
5139
     Subject: re : summer dear vince , thank you ...
5140
     Subject: hello from vince kaminski at enron s...
     Subject: virus update : please read there are...
5141
5142
     Subject: hib visa application - sevil yaman s...
                                                           0
5143 Subject: revised aga forecast for 6 / 23 is 65...
                                                           0
```

```
Subject: re : roman , i shall be traveling n...
5144
5145
     Subject: john d . martin - chair of finance at...
5146
     Subject: wharton business plan competition vi...
                                                           0
5147
     Subject: great thanks so much re : avg . month...
                                                           0
5148
     Subject: newsletter, monday 23 oct. vince,...
                                                           0
     Subject: new gas models preliminary schedule f...
5149
                                                           0
     Subject: re : credit trading brought to you by...
5151
     Subject: vince , my rice e - mail address is ...
5152 Subject: re : livelink moyez , we are very a...
                                                           0
5153
     Subject: seismic data via satellite i am prep...
                                                           0
     Subject: impending visit july 5 - 7 vince: ...
5154
                                                           0
     Subject: re : good news - cabinet approval for...
5155
                                                           0
5156
     Subject: seeking intelligent insight it looks...
                                                           0
     Subject: visit ? dear vince , i very much en...
5158
     Subject: fortnightly on - line dear mr . kami...
     Subject: listo 319 isranir @ rice . edu , dem...
5159
5160
     Subject: delainey presentation g . masson vin...
                                                           0
     Subject: enron europe organisational changes ...
                                                           0
5161
     Subject: pjm adds ny prices to edata message ...
                                                           0
5162
5163
     Subject: sap timesheets hello everyone: tha...
                                                           0
     Subject: mark - to - market bob , i wanted t...
5165
     Subject: xms memo over the next several month...
5166
     Subject: carnegie mellon resume pre - select 1...
5167
     Subject: remaining work vince, i shipped yo...
                                                           0
     Subject: re: 1st chapter of training book ge...
                                                           0
5168
5169
     Subject: rtp project vince, targetted confe...
                                                           0
     Subject: var numbers for the 26 th hi vince ,...
                                                           0
5170
5171
     Subject: the garp 2001 convention : gentle rem...
5172
     Subject: d - g energy systems vince & stinson...
5173
     Subject: re : factor loadings for primary curv...
5174
     Subject: restricted list neither ena / rac / ...
5175
     Subject: re : wti crude price and ny harbor re...
5176
     Subject: option visualization vince and stins...
                                                           0
5177
     Subject: here 's the typeset version vince ,...
                                                           0
5178
     Subject: re: meeting with mark schroeder -- ...
5179
     Subject: re: mscf speaker series thx, we a...
     Subject: phone time dear dr . kaminski thank...
5181
     Subject: re : good morning john ,
                                          it does no...
     Subject: re : enron / stanford program nick ,...
5182
5183
     Subject: re : summer internship jinbaek , th...
                                                           0
     Subject: re : frank , i am definitely intere...
                                                           0
5184
     Subject: re: vacation shirley, no problem ...
5185
                                                           0
     Subject: re : wednesday vince , thanks for le...
                                                           0
5186
5187
     Subject: entouch newsletter business highligh...
5188
     Subject: december 11 , 2000 ews prc meeting a...
5189
     Subject: power 2000 / eprm 2001 as a speaker ...
5190
     Subject: re : tony hamilton thanks for clarif...
                                                           0
5191
     Subject: the national forum on corporate finan...
                                                           0
```

```
Subject: re : video conference scheduling hel...
5192
5193
     Subject: invitations to presentation only hi ...
                                                          0
5194
     Subject: re : eol competitors - - - - - - ...
                                                          0
5195
     Subject: interview with the enron research gro...
                                                          0
     Subject: cplex -----...
5196
     Subject: schedule hi vince thanks for the ch...
5197
     Subject: confirmation of your order this is a...
5199
     Subject: ethylene margin collar model dear al...
5200
     Subject: accounting adjustment kim,
                                                          0
                                             fyi . i...
5201
     Subject: re: wednesday ronnie, regarding t...
                                                          0
5202
     Subject: re : credit rating contact ? kim , ...
                                                          0
5203
     Subject: hello team we are very excited to be...
                                                          0
5204
     Subject: 2001 research allocation to ebs vinc...
                                                          0
5205
     Subject: credit risk model comments - at this ...
5206
     Subject: re : thesis on electricity price jump...
5207
     Subject: re: installation of new programs i ...
                                                          0
5208
     Subject: re : memory hello andy , i received...
                                                          0
5209
     Subject: re : durasoft - - java class rabi , ...
                                                          0
     Subject: risk bucketing for p / l ken and gre...
5210
                                                          0
5211
     Subject: term paper please respond to vince ...
                                                          0
5212
     Subject: sevil yamin vince, do you want me ...
5213
     Subject: re: transition to research group - a...
5214 Subject: arthur andersen 21 st annual energy s...
5215
     Subject: re: risk european energy 2000 steve...
                                                          0
5216 Subject: re : term project : brian , no prob...
                                                          0
5217
     Subject: program mike, here is third versio...
                                                          0
5218
     Subject: re : gwen koepke anne , thanks for ...
                                                          0
5219
     Subject: re : hello from vince kaminski at enr...
5220
     Subject: stanford summer associate and full - ...
5221
     Subject: celebration i am so excited for my b...
5222
     Subject: re : carnegie mellon recruiting good...
                                                          0
5223
     Subject: re : request for suggestions : vince ...
                                                          0
5224
     Subject: recruiting i received this email som...
                                                          0
5225
     Subject: re : the newvatrfacs program and test...
                                                          0
5226
     Subject: re : my first draft quentin ,
5227
     Subject: thank you bill / mitch / vince , i ...
5228
     Subject: managing director and vice president ...
5229
     Subject: re : blood bank vince , i must apol...
5230
     Subject: erisk interview vince: you may int...
                                                          0
     Subject: more dalton baby info final update ...
5231
                                                         0
     Subject: re : boss ' s day kevin , no proble...
                                                          0
5232
5233
     Subject: entouch newsletter business highligh...
                                                          0
5234
     Subject: super saturday shelly , these are t...
                                                          0
5235
     Subject: re: invitation . . . welcome new ana...
5236
     Subject: summer offer bhala , i double check...
5237
     Subject: interview schedule for japan office ...
5238
     Subject: re : " white paper " vince & vasant ...
                                                          0
5239
     Subject: re : rtp project yes , i would be de...
                                                          0
```

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5240
     Subject: meeting while in houston - - - - - - ...
5241
     Subject: risk 2000 panel discussion dear all ...
5242
     Subject: tff 2001 meeting date question hello...
5243
     Subject: karthik rajan shirley, we intervie...
                                                           0
5244
     Subject: extending eu gas guidelines to centra...
                                                           0
5245
     Subject: re : vol model from : pavel zadorozh...
                                                           0
     Subject: fw : mark boland - cv vince : tony v...
     Subject: re : london visit paul , thanks for...
5247
5248
     Subject: re : a request zimin , i also enjoy...
                                                           0
5249
     Subject: ebs 's approach to storage trading ...
                                                           0
     Subject: enron earth day " trash bash " enron...
5250
                                                           0
     Subject: re : f / u to dr . kaminski @ enron f...
5251
                                                           0
5252
     Subject: steve leppard hi vince, hr is work...
                                                           0
5253
     Subject: anshuman shrivastava - visa applicati...
5254
     Subject: referral vince - i work in the cari...
     Subject: extreme value theory applied to weath...
5255
5256
     Subject: re : dave , thanks for the invitati...
                                                           0
5257
     Subject: jones graduate school course descript...
                                                           0
5258
     Subject: re : visit to houston and vince kamin...
5259
     Subject: the mathworks visit on 10 / 18 shirl...
                                                           0
5260
     Subject: latest draft vince, i have added a...
5261
     Subject: re : one last reminder and then i wil...
5262
     Subject: karthik rajan - interview schedule
5263
     Subject: re : congrats vince , you beat me t...
                                                           0
     Subject: requirements for clayton hi vince , ...
5264
5265
     Subject: re: message from grant grant, is...
                                                           0
5266
     Subject: reply from charles at williams vince...
                                                           0
5267
     Subject: entouch newsletter business highligh...
5268
     Subject: charm conference call please let me ...
5269
     Subject: re : fas 133 paper vince , it 's a...
5270
     Subject: re : joe , i have written to pal qu...
                                                           0
5271
     Subject: re : charm you are welcome to have s...
                                                           0
5272
     Subject: re: uk portfolios and books setup in...
                                                           0
5273
     Subject: fyi : ferc staff report on investigat...
                                                           0
5274
     Subject: sap time sheets on the o : \ research...
5275
     Subject: softs information attached is the ub...
5276
     Subject: re: institute of international finan...
5277
     Subject: interview for the research group hel...
     Subject: wharton tm \# 3 presentation vince, …
5278
5279
     Subject: re : copper curve tani , no problem...
                                                           0
5280
     Subject: re : enron default swaps hi vince ! ...
                                                           0
     Subject: letter to nesbitt john, the outlin...
5281
                                                           0
5282
      Subject: value lab meeting on the 1st of augus...
                                                           0
5283
     Subject: re: redployment vince, i highly a...
5284
     Subject: meeting to discuss research support t...
5285
     Subject: re: notice of end probation i would...
5286
      Subject: grades pam , the term papers arrive...
                                                           0
5287
      Subject: resending paper - - - - - - ...
                                                           0
```

```
Subject: the answer !!! - - - - - - - ...
5288
5289
     Subject: historical curve databases & historic...
5290
     Subject: vince, congratulations on your prom...
                                                           0
5291
      Subject: erisk essentials ? www . erisk . com...
                                                           0
5292
     Subject: re: var for enroncredit. com bryan...
                                                           0
5293
     Subject: rice cfos conference christie, thi...
                                                           0
     Subject: re : pserc industrial advisory board ...
5295
     Subject: transmission roundtable meeting the ...
5296
     Subject: voila hey guys , the model just conv...
                                                           0
5297
     Subject: summer internships at enron celeste ...
                                                           0
5298
     Subject: re : meeting with you last week ? sc...
                                                           0
     Subject: re: informal interview with the enro...
5299
5300
     Subject: european power web call replay mr . ...
                                                           0
5301
     Subject: upcoming energy conference - kaminski...
5302
     Subject: alp presentation vince and ken,
5303
     Subject: mg var results for the 27 th july hi...
                                                           0
5304
     Subject: entouch newsletter business highligh...
                                                           0
5305
     Subject: re : telephone interview with the res...
                                                           0
     Subject: the lure of the san network world fu...
5306
                                                           0
5307
     Subject: re : opportunities thanks vince .
                                                           0
5308
     Subject: enterprise wide risk management meeti...
5309
     Subject: re : molecular electronics corp . wor...
5310
     Subject: re: thursday visit good morning fra...
5311
     Subject: our meeting next week vince and gran...
                                                           0
5312
     Subject: happy new year , and some new year ' ...
                                                           0
5313
     Subject: re : proposed darden interview schedu...
                                                           0
5314
     Subject: re: grades thank you! you have be...
                                                           0
5315
     Subject: mscf speaker series mscf speaker ser...
     Subject: re : frank , yes . vince from : f \dots
5316
5317
     Subject: re : confidential dale , thanks for ...
     Subject: pd : praca dyplomowa v edycja mba ? ...
5318
5319
     Subject: pjm announces basic training program ...
                                                           0
5320
     Subject: guiseppe paleologo / ext 39189 / eb 4...
                                                           0
5321
     Subject: re : summer internship dr . kaminski...
                                                           0
     Subject: re: india model stinson and vince,...
5322
     Subject: yen outlook vince, as a followup t...
5323
     Subject: credit model paulo, i have talked ...
5325
     Subject: alliance info alert : richardson and ...
     Subject: alex tartakovski as you may know , w...
5326
5327
     Subject: re : best wishes for the holiday peri...
                                                           0
     Subject: re : security - after hours access
                                                           0
5328
     Subject: re: real options paul, we have do...
5329
                                                           0
5330
     Subject: request submitted : access request fo...
                                                           0
5331
     Subject: re: rotational opportunities within ...
5332
     Subject: re : digitals pavel , many thanks fo...
5333
     Subject: network engineering and operations or ...
5334
     Subject: re: meeting on the 20 th of march f...
                                                           0
5335
     Subject: re : lsu seminar visit vince , plea...
                                                           0
```

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Subject: out of the office i will be out of t...
5336
5337
     Subject: maac executive board files restructur...
                                                           0
     Subject: thanks again vince, i thank you ag...
5338
                                                           0
      Subject: re : presentation in seoul anthony d...
5339
                                                           0
5340
     Subject: re : enron visit - - thanks larry , ...
                                                           0
5341
      Subject: re : seminar on beyond ols i have re...
                                                           0
     Subject: software license dear ms . feldman ,...
5343
     Subject: idea : please take a look dear mr . ...
5344
     Subject: dear mr . kaminski , it was really a...
5345
     Subject: orillion and ebs visit * * * * * con...
                                                           0
5346
     Subject: re : pro opticus i was not aware of ...
                                                           0
5347
     Subject: re : joint probabilities michael a ...
5348
                                                           0
     Subject: wichai narongwanich dear toni : ple...
5349
     Subject: re: invitation to speak at infocast ...
     Subject: re : fwd : latest roster - rice no p...
5350
5351
     Subject: re : option p & l brad , i was extr...
                                                           0
5352
     Subject: re : var calibration issues we are p...
                                                           0
5353
                                                           0
     Subject: re : carnegie mellon team meeting un...
     Subject: patricia tlapek brad, as per our p...
5354
                                                           0
5355
     Subject: re: statistica & lunch rick, we a...
                                                           0
5356
     Subject: update - rofr per our meeting , i ad...
5357
     Subject: re: interview with research dept.c...
5358
     Subject: re : natural gas storage item vince ...
5359
     Subject: revised: organizational changes to ...
                                                           0
     Subject: valuation methodology we 've had a ...
                                                           0
5360
5361
     Subject: again , i should have also sent the f...
                                                           0
5362
     Subject: registration materials for nfcf to :...
                                                           0
5363
     Subject: ibuyit approvers ah , these wonderfu...
5364
     Subject: latest vince, i appologize for shi...
5365
     Subject: rdi conference - may 17 - 19 , 2000 ...
5366
     Subject: visit to enron grant and vince, th...
                                                           0
5367
      Subject: re : chapter 3 gentlemen , thankyou...
                                                           0
     Subject: new invoice for energy and weather v...
5368
                                                           0
5369
     Subject: re : eprm 2001 houston layla , a fe...
                                                           0
5370
     Subject: re : copier on 32 nd floor kevin , ...
5371
     Subject: fw : garp ny - minutes of the credit ...
     Subject: benzene forward curve & hedge calcula...
5373
     Subject: position report for dual trigger prod...
     Subject: membership in the nsf vince: karen...
5374
5375
     Subject: re : spring 2001 conference participa...
                                                           0
     Subject: re : tanya ' s vacation shirley ,
                                                           0
5376
5377
     Subject: discount rates and risk capital dear...
                                                           0
5378
     Subject: re: thanksgiving staff meeting hi c...
                                                           0
5379
     Subject: re : seeking intelligent insight ple...
5380
     Subject: ok - ok vince - i will stay up tonig...
5381
     Subject: re: hotel for the wharton trip hi v...
5382
     Subject: re : christmas basket list here is t...
                                                           0
5383
     Subject: re: recommendation of an outstanding...
```

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Subject: re : many hello helyette , i am in ...
5384
                                                           0
5385
     Subject: mid - year 2000 performance feedback ...
                                                           0
5386
     Subject: re : spring 2001 conference participa...
                                                           0
      Subject: telephone interview with the research...
5387
                                                           0
5388
      Subject: re : credit . com cv 's shirley , ...
                                                           0
      Subject: re : time keeping hi brad : i am it...
5389
                                                           0
     Subject: why johan dahl and the mri energy sta...
5391
      Subject: fasbl 33 presentation hello all: p...
5392
     Subject: new consultants added to enron tiger ...
                                                           0
5393
     Subject: re : sddp vince many thanks for you...
                                                           0
5394
     Subject: re: thank you vince, you were a m...
                                                           0
5395
     Subject: confirmation of your order this is a...
                                                           0
5396
     Subject: sevil yamin anne, vasant sent this...
                                                           0
5397
     Subject: eol guest account access attention :...
5398
     Subject: var for cob 28 th july 2000 hi all ,...
     Subject: re : video conference jeff , we hav...
5399
                                                           0
5400
     Subject: re : message 1 quentin , thanks for ...
                                                           0
5401
     Subject: re : possible summer internship with ...
                                                           0
5402
     Subject: australian energy risk 2000 as austr...
                                                           0
5403
     Subject: zingales seminar enron seminar serie...
                                                           0
5404
     Subject: dba administrator cecil, i 've sp...
                                                           0
                                                             0
5405
                     Subject: proposal - kevin kindall
5406
     Subject: re : wayne tow 's resume we are sup...
     Subject: re : follow - up interview on 8 / 21 ...
5407
                                                           0
5408
     Subject: pre - ranking below is your spreadsh...
                                                           0
5409
     Subject: jedi shares vince, attached is a d...
                                                           0
     Subject: home page - new - risk solutions ( ht...
5410
                                                           0
5411
     Subject: meeting follow - up dear vince , i ...
5412
     Subject: re : calpx prices jason , i think w...
5413
     Subject: thanks paige, thanks a lot for you...
5414
     Subject: 6 / 30 aga forecast at 66 mike, my...
5415
     Subject: re : mscf speaker series pierre - ph...
                                                           0
5416
     Subject: re : greetings van , it 's nice to ...
                                                           0
5417
     Subject: benchmarking study sally, i gave y...
                                                           0
5418
     Subject: calculating bid - ask prices this is...
5419
     Subject: re: volatility conference todd, t...
     Subject: houston research opportunity dear vi...
5421
     Subject: ethink about it : july 31 , 2000 vin...
5422
     Subject: total return swap hi , vince , plea...
                                                           0
5423
     Subject: organizational changes changes in en...
                                                           0
     Subject: re : info about enron 's bandwidth m...
                                                           0
5424
5425
     Subject: london visit i understand that you w...
                                                           0
5426
     Subject: today 's discussion anjam, thanks ...
                                                           0
5427
     Subject: hello from chicago i wanted to pass ...
5428
     Subject: re : mid year prc soma , yes , no p...
5429
     Subject: ameriflash newsletter note from mark...
5430
     Subject: re : bandwidth writing y ' all , st...
                                                           0
5431
     Subject: re: reminder thanks . i downloaded ...
```

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Subject: re : 2001 preliminary i / c billing ...
5432
                                                           0
5433
     Subject: re : cost sharing of subscription to ...
5434
     Subject: resume and available dates for amy wa...
                                                           0
5435
     Subject: re : worldpower mark , i have an in...
                                                           0
5436
     Subject: re : tiger team - wharton participant...
                                                           0
      Subject: re : enron / stanford program paul ,...
5437
                                                           0
     Subject: greetings from garp greetings from g...
5439
     Subject: re : telephone interview with the res...
5440
     Subject: nelson nele interview vice: i inte...
5441
     Subject: please note that the date for the 1st...
                                                           0
5442
     Subject: day rates forward market enclosed fo...
                                                           0
5443
     Subject: churn list here is the requested chu...
5444
     Subject: agenda for transmission roundtable on...
                                                           0
5445
     Subject: godbole report vince / stinson, th...
5446
     Subject: avistar users and allocated charges ...
     Subject: chicago partners davis,
5447
                                           i sent out...
5448
     Subject: engineering meetings in broomfield co...
                                                           0
5449
                                                           0
     Subject: re : greetings from baylor university...
5450
     Subject: wharton tiger team according to the ...
                                                           0
5451
     Subject: 2001 group expenses guys, attached ...
                                                           0
5452
     Subject: names bryan, the person from citib...
5453
     Subject: storage story see my storage story t...
5454
     Subject: re : dr . michelle foss - energy inst...
     Subject: confirmation of your order this is a...
5455
                                                           0
5456
     Subject: "henwood 's rationalizing midwest p...
                                                           0
5457
     Subject: sap ids - coming soon !!! your sap...
                                                           0
     Subject: re: 2001 budget for research becky ...
5458
                                                           0
5459
     Subject: confirmation of your order this is a...
5460
     Subject: var for cob 2 nd aug 2000 hi vince ,...
5461
     Subject: re : agenda for houston visit hi mik...
5462
     Subject: re : var meetings in houston shirley...
5463
     Subject: re : swaps monitor research . vince ...
5464
     Subject: new pc hi lyn : alex huang has requ...
                                                           0
5465
     Subject: re : your approval is overdue : acces...
                                                           0
     Subject: alliance info alert = = special anno...
5466
5467
     Subject: re : greetings carlos , please , fo...
5468
     Subject: technical analysis more fallout - - ...
5469
     Subject: re : gas model chaim , i received a...
5470
     Subject: re: research group kevin, i think...
5471
     Subject: revised announcement for real options...
                                                           0
                                                           0
5472
     Subject: weather delta demonstration meeting ...
5473
     Subject: re : pserc industrial advisory board ...
                                                           0
5474
     Subject: updated - restricted list neither en...
                                                           0
5475
     Subject: speech by chairman pat wood of puct -...
5476
     Subject: re : implementing clustering and jump...
5477
     Subject: weather course vince, ? we just w...
5478
     Subject: re : ed krapels absolutely - i can '...
                                                           0
5479
     Subject: schedule interview for stephen bennet...
                                                           0
```

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Subject: file cabinet for mike roberts vince ...
5480
5481
     Subject: in confidence / project status hi vi...
                                                           0
5482
     Subject: re : calpx power prices ? ? ? - - - ...
                                                           0
     Subject: complexity science and the energy ind...
5483
                                                           0
5484
     Subject: re : ca for henwood stinson - we wi...
                                                           0
     Subject: livelink access ----- ...
5485
                                                           0
     Subject: organizational changes we are making...
5487
      Subject: news review update please respond to...
5488
     Subject: harvard research visit harvard busin...
5489
     Subject: ebs research office space on 45 th or...
                                                           0
5490
     Subject: telephone interview with the enron co...
                                                           0
5491
     Subject: friday brown bag for options pricing ...
5492
     Subject: enron media / advertising simon , p...
                                                           0
5493
     Subject: re : ed krapels just thought you ' d...
5494
     Subject: re : hdaf seminar topics folks : i ...
5495
     Subject: possible rtp conference dear mr . ka...
5496
     Subject: re : forecast rates ! hi vince ,
                                                           0
5497
                                                           0
     Subject: hiring aram at a vp level rick,
     Subject: re : pending approval for ibuyit requ...
5498
5499
     Subject: follow up mark, over the past seve...
                                                           0
5500
     Subject: re : summer associate mentor hello ,...
5501
     Subject: re: 2001 fma european conference jo...
5502
     Subject: mg metals : additional areas to look ...
5503
     Subject: message from charles shen at williams...
     Subject: imperial capital - thursday schedule ...
                                                           0
5504
5505
     Subject: eprm training course dear vince, ?...
                                                           0
     Subject: alp proposal carrie, i am sending ...
5506
                                                           0
     Subject: aram 's visit jesus , friday , apr...
5507
     Subject: re : dragon curves ( thai baht foreca...
5508
5509
     Subject: interview schedule for ben zhang att...
     Subject: re : your visit with vince kaminski -...
5510
5511
     Subject: re : greeting from charles happy new...
                                                           0
5512
     Subject: re : purchase david , can you use m...
                                                           0
5513
     Subject: reminder - enronanywhere portal proje...
                                                           0
5514
     Subject: new analyst joining research group
5515
     Subject: meeting to be rescheduled all: the...
     Subject: re : conference phelim , thanks aga...
5517
     Subject: re : enron credit modeling discussion...
5518
     Subject: e & p model vince - attached is the ...
5519
     Subject: enron research and ebs engineering an...
                                                           0
                                                           0
5520
     Subject: re : for your approval approved inf...
5521
     Subject: re : get together this coming tuesday...
                                                           0
5522
                                                           0
      Subject: ne gov . johanns mtg vince , fyi on ...
5523
     Subject: the delivery of the equipment you ord...
5524
     Subject: hello hello, vince. i haven 't h...
5525
     Subject: re : managing energy price risk artic...
5526
     Subject: re : times 2 filing units pat : out ...
                                                           0
5527
     Subject: re: howard confirmation jeff, i c...
                                                           0
```

```
Subject: re : hello sounds great - - i ' ll c...
5528
5529
     Subject: thanks dear mr . kaminski : thank y...
     Subject: re : new color printer monday will b...
5530
                                                           0
5531
     Subject: power 2000 to all whom it may concer...
                                                           0
5532
     Subject: re: new lacima publication fiona, ...
                                                           0
5533
     Subject: fw : opportunities dear sir : i hav...
                                                           0
     Subject: re : summer internship position ravi...
5535
     Subject: the impact of ecuador 's heavy crude...
5536
     Subject: anshuman shrivastava sandeep: vince...
                                                           0
5537
     Subject: re: recruiting good afternoon.pac...
                                                           0
5538
     Subject: re: real options openings? vince,...
                                                           0
5539
     Subject: internship opportunity dear mr . kam...
                                                           0
5540
     Subject: note from maureen vince, maureen a...
                                                           0
5541
     Subject: re : clustering for gas and power fr...
5542
     Subject: re : contact info glenn , please , ...
5543
     Subject: weijun decided not to interview i gu...
5544
     Subject: improving option valuation precision ...
                                                           0
5545
     Subject: re : telephone interview with the enr...
                                                           0
     Subject: lance cunningham this offer has been...
                                                           0
5546
5547
     Subject: re : paula corey ' s birthday richar...
                                                           0
5548
     Subject: re: hari, thanks.please, keep ...
5549
     Subject: april 1st party! this is primarily ...
5550
     Subject: your encouragement would be appreciat...
5551
     Subject: 1 - urgent - outlook email notificati...
                                                           0
5552
     Subject: re : looking for " fat tails " in tim...
                                                           0
     Subject: re : hi : thanks vince : could you ...
5553
                                                           0
     Subject: re : please find home for brainful ca...
                                                           0
5554
5555
     Subject: an interesting resume i shall interv...
     Subject: re : i ' ll be gone for a month sofy...
5556
5557
     Subject: re : generation earnings model miche...
5558
     Subject: re: willow and pathstar evaluations ...
5559
     Subject: re : short - sell vs exercise chonaw...
5560
     Subject: us news archive @ ft . com reliable ...
5561
     Subject: re : durasoft - - java class siva , ...
                                                           0
5562
     Subject: re: asian option for pavel stinson ...
5563
     Subject: rice / enron finance seminar series ...
     Subject: re: mgmt 656 (rice university) th...
5565
     Subject: japanese power market another articl...
5566
     Subject: re : joao neves kate , i was travel...
5567
     Subject: request submitted : access request fo...
                                                           0
     Subject: re : var for cob 2 nd aug 2000 hi ki...
                                                           0
5568
     Subject: re : possible summer internship with ...
5569
                                                           0
5570
     Subject: re : eol pricing algorithm hi bob , ...
                                                           0
5571
     Subject: re : mscf speaker series pierre - ph...
5572
     Subject: re : life . . . : ) maybe next time...
5573
     Subject: merit increases norma, it seems th...
5574
     Subject: enron opportunities lynn,
                                            i am for...
                                                           0
5575
     Subject: enside newsletter good morning! th...
                                                           0
```

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5576
     Subject: stephen bennett stephen bennett, pr...
                                                           0
5577
     Subject: re : alp presentation christie , wh...
                                                           0
5578
     Subject: vince kaminski 's "bio "and requir...
                                                           0
      Subject: maureen norma , i talked to g . koe...
5579
                                                           0
5580
     Subject: re: recruiting for weather risk mana...
                                                           0
      Subject: foreign language lessons fyi! - - ...
5581
                                                           0
     Subject: erisk essentials ? www . erisk . com...
5583
     Subject: parking at 777 clay hi louis: we w...
5584
     Subject: garp 2001 convention dear garp 2001 ...
5585
     Subject: good afternoon christie, i wanted ...
                                                           0
5586
     Subject: russian investment climate : multimed...
                                                           0
     Subject: re: denise, no problem. we shal...
5587
5588
                                                           0
     Subject: short term private firm model : stati...
5589
     Subject: re : christmas basket list here is t...
5590
     Subject: stanford mba recruiting greg , this...
     Subject: video conference scheduling in order...
5591
                                                           0
5592
     Subject: re : monte carlo techniques zimin , ...
                                                           0
     Subject: new retail electricity provider surve...
5593
                                                           0
     Subject: re : signature ' s kevin , i would ...
5594
                                                           0
5595
     Subject: re : " energy derivatives " frank : ...
                                                           0
     Subject: re : ming sit vince , thanks for th...
5596
     Subject: re : hello shijie , thanks for your...
5597
5598
     Subject: re : order for book julie , the dis...
     Subject: re : thanks thanks for the update , ...
5599
                                                           0
     Subject: pdo index update - - - - - - - - ...
                                                           0
5600
5601
     Subject: re : enron exotica options library p...
                                                           0
5602
     Subject: sr . director position vince : as yo...
                                                           0
5603
     Subject: re : power question steve , elena c...
5604
     Subject: presentation george, this is the p...
5605
     Subject: re: numbers for sharad agnihotri da...
     Subject: re: replacement of stolen chairs fy...
5606
                                                           0
5607
     Subject: the rising crisis in brazil 's power...
                                                           0
5608
     Subject: term paper vince, ? attached is o...
                                                           0
5609
     Subject: candidate: howard information vince...
                                                           0
     Subject: re : mission impossible - hr associat...
5610
5611
     Subject: fund raising for mit sloan school de...
5612 Subject: enron trial of energycast service mi...
5613
     Subject: re : full version i read the chapter...
5614
     Subject: option visualization vince and stins...
5615
     Subject: important : mountain top meetings sch...
                                                           0
     Subject: re : presentation if you would like ...
5616
                                                           0
     Subject: re: weather course joe, this is t...
5617
                                                           0
5618
     Subject: ees organizational announcement - - ...
                                                           0
5619
     Subject: willow tree hi vince - this is so y...
5620
     Subject: wti - new eol product ted , enclose...
5621
     Subject: new pc lyn : can you tell me the st...
5622
     Subject: confirmation of your order this is a...
                                                           0
5623
     Subject: credit risk model comments - at this ...
```

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Subject: caida ' metrics ' wg meeting , 2 mar ...
5624
                                                           0
5625
     Subject: re : message from charles shen at wil...
                                                           0
5626
     Subject: interviews for a new candidate eliza...
                                                           0
5627
     Subject: re : dear mr . kaminski , since i a...
                                                           0
5628
     Subject: retail markets conference i would li...
                                                           0
     Subject: re : friday morning meeting ? vince ...
5629
                                                           0
     Subject: membership mixer tomorrow - paesanos ...
5631
     Subject: re : your comments on metals var mode...
5632
     Subject: term project: this is the list of p...
                                                           0
5633
     Subject: organizational changes enron is form...
                                                           0
5634
     Subject: summer part time employee add her to...
                                                           0
5635
     Subject: re : electricity summit at u . c . be...
                                                           0
5636
                                                           0
     Subject: fortune most admired ranking congrat...
5637
     Subject: wayne tow 's resume kathy / greg / ...
5638
     Subject: interview - numerical methods & finan...
     Subject: re : storm dale , omer muften ( wit...
                                                           0
5639
5640
     Subject: re : 7 / 14 - - crude oil and nat gas...
                                                           0
5641
     Subject: re: research and development charges...
                                                           0
5642
     Subject: re : summer intern : paulo oliveira ...
                                                           0
5643
     Subject: re: real options stinson / krishna ...
                                                           0
     Subject: risk management meeting at georgia te...
5645
     Subject: re: recovery plan it would be funny...
5646
     Subject: hc collar valuation - update andrea ...
     Subject: re: houston visit soussan, my ass...
5647
                                                           0
5648
     Subject: california update 5 / 4 / 01 if you ...
                                                           0
5649
     Subject: re : request thanks vince . this is ...
                                                           0
     Subject: ben zhang timeframe hi, can and sh...
5650
                                                           0
5651
     Subject: re : from vicky windsor vicky , ple...
5652
     Subject: re : resume , vince , if you are in...
5653
     Subject: freese notis mike: we are currentl...
     Subject: yvan chaxel your name was listed by ...
5654
5655
     Subject: project hi michelle, chris, helen...
                                                           0
5656
     Subject: new eprm speakers vince, thanks ve...
                                                           0
5657
     Subject: re : recruiting a response from jean...
                                                           0
5658
     Subject: re : important - prc mtg hi dorn & j...
     Subject: rtp project john and krishna, i am...
5659
     Subject: btu 's daily power report - eastern ...
5661
     Subject: clayton vernon kevin , vasant and i...
     Subject: referral mr . kaminski , i have att...
5662
5663
     Subject: 2001 budget i need your help . . . i...
                                                           0
     Subject: june 21 - 22 retail electricity confe...
                                                           0
5664
     Subject: uk inflation presentation deal all ,...
5665
      Subject: re : rollover of my vacation days to ...
                                                           0
5666
5667
     Subject: re : info help . krishna , niclas i...
5668
     Subject: poten & partners forecasts fyi marg ...
5669
     Subject: introduction vince: as way of intr...
5670
     Subject: datren williams acceptance fyi
                                                           0
5671
     Subject: meeting confirmation / discussion poi...
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Subject: skunkworks meeting - bi - weekly shi...
5672
5673
     Subject: re : part - time work cantekin ,
                                                           0
     Subject: re: enron weather research good aft...
5674
                                                           0
     Subject: re : super saturday interviews vince...
5675
                                                           0
5676
     Subject: december 22 - srrs decommissioning no...
                                                           0
     Subject: re : fw : opportunities vince i wil...
5677
                                                           0
     Subject: change of coordinates dear friends a...
5679
     Subject: invitations to presentation only hi ...
     Subject: re : rabi de ' s sign on bonus sorry...
5680
                                                           0
5681
     Subject: interview - thomas barkley 11 / 9 / 0...
                                                           0
     Subject: re : summer work . . jinbaek , than...
5682
                                                           0
5683
     Subject: hedging lng volumes stinson / vince ...
                                                           0
     Subject: re : hello molly , kim watson would...
5684
                                                           0
     Subject: pozdrowienia piotr, dziekuje za wi...
     Subject: professor bambos ' visit to enron on ...
5686
5687
     Subject: flat screens hello, we are still i...
5688
     Subject: re : christmas basket list goodmorni...
                                                           0
5689
     Subject: tanya 's trip to stanford shirley ,...
                                                           0
     Subject: re : var for cob 2 nd aug 2000 hi vi...
                                                           0
5690
5691
     Subject: numbers for sharad agnihotri hi dale...
                                                           0
5692
     Subject: new employee shirley: don 't pani...
5693
     Subject: re : petrochem desk yes , i will hav...
5694
     Subject: ljm model ryan : this is the update...
     Subject: re : probability question from vince ...
5695
                                                           0
     Subject: re : lunch super . jestesmy umowieni...
5696
                                                           0
     Subject: research group , recruiting celeste ...
5697
                                                           0
     Subject: schedule and more . . dr . kaminski ...
5698
                                                           0
5699
     Subject: re : message from ken rice vince : ...
5700
     Subject: re : exploration data as the root of ...
5701
     Subject: rendez - vous reporter : sunday 3 rd ...
5702
     Subject: dr . michelle foss - energy institute...
5703
     Subject: rice / enron finance seminar series ...
5704
     Subject: storage model security stinson, i ...
                                                           0
5705
     Subject: re : meeting w kevin hannon vince an...
                                                           0
     Subject: e - mail and voicemail retention poli...
5706
5707
     Subject: approval is overdue: access request ...
5708
     Subject: re : hi vince hi jeff , no problem ...
     Subject: agenda for larry thorne 's presentat...
5709
     Subject: raptors here is the most recent vers...
5711
     Subject: re : faculty lunch alison , i recom...
                                                           0
5712 Subject: 2 - survey / information email 5 - 7 ...
                                                           0
5713
     Subject: promotion vince, i want to congratu...
                                                           0
5714
     Subject: re : petronas benchmarking visit fyi...
                                                           0
5715 Subject: request submitted: access request fo...
5716
     Subject: * special notification * aurora versi...
5717
     Subject: fwd : update return - path : receiv...
5718
     Subject: altos na gas model kim , i know you ...
                                                           0
5719
     Subject: power market research i came across ...
```

```
5720 Subject: re : visit to houston fyi - - - - - ...
     5721 Subject: ees risk management presentations for...
     5722 Subject: re : vacation vince : i just found ...
                                                               0
     5723 Subject: re: research and development charges...
                                                               0
     5724 Subject: re: receipts from visit jim, than...
                                                               0
     5725 Subject: re: enron case study update wow! a...
                                                               0
     5726 Subject: re : interest david , please , call...
     5727 Subject: news: aurora 5.2 update aurora ve...
[60]: X, y = make_classification(n_samples=2736, n_features=2, n_informative=2,__
       →n_redundant=0, random_state=5)
[61]: X
[61]: array([[-1.15273127, 1.2831253],
             [ 1.68171721, -0.95424266],
             [ 0.87753838, 1.11512607],
             [-0.9970595, -1.24676986],
             [ 1.73325978, 0.31914376],
             [-1.57133416, 1.29687175]])
[62]: y
[62]: array([0, 1, 1, ..., 0, 1, 0])
[63]: # split the data into 70% training, 30% test portions for future validations
      X_train, X_test, y_train, y_test = train_test_split(X, y, test_size=0.3)
[64]: X train
[64]: array([[-0.45004253, -0.62312579],
             [0.06330636, -2.07826022],
             [-1.57340744, -1.82620717],
             [-0.63456925, -1.08320322],
             [ 1.09338885, 2.7104434 ],
             [-2.38318556, -1.71667804]])
[65]: X_test
[65]: array([[-1.24202338, 1.19594046],
             [-2.75601484, -1.67083284],
             [-1.98196335, -1.45125793],
             [-0.98820998, 0.80717975],
             [-1.40324939, 1.07008362],
```

```
[66]: y_train
[66]: array([0, 1, 0, ..., 0, 1, 0])
[67]: y_test
[67]: array([0, 0, 0, 1, 1, 0, 0, 0, 0, 1, 0, 1, 0, 1, 0, 0, 0, 1, 1, 0, 0, 0,
             0, 0, 1, 1, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 1, 1, 1, 0, 1, 0, 0, 0,
             0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 1, 0, 0, 1, 0, 1, 1, 0, 0, 0, 1, 0,
             0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 1, 0, 1, 0, 0, 0, 1, 0, 1, 1, 0, 1,
             1, 0, 0, 1, 0, 1, 1, 1, 0, 1, 1, 1, 0, 1, 0, 1, 1, 0, 0, 1, 1,
             0, 0, 0, 0, 1, 0, 1, 1, 0, 0, 1, 0, 1, 1, 1, 0, 1, 1, 0, 0, 1, 0,
            0, 1, 0, 1, 1, 0, 0, 0, 0, 1, 1, 1, 1, 1, 0, 1, 1, 0, 1, 0, 1, 0,
             1, 0, 0, 0, 1, 1, 0, 0, 0, 1, 0, 1, 0, 1, 0, 1, 0, 0, 0, 1, 1, 0,
             0, 0, 1, 0, 1, 1, 1, 0, 1, 1, 0, 0, 0, 0, 1, 1, 1, 1, 0, 1, 1, 0,
             0, 1, 0, 1, 1, 0, 1, 0, 1, 0, 0, 1, 1, 1, 1, 0, 0, 0, 0, 0, 1, 0,
             0, 1, 0, 1, 0, 0, 0, 1, 0, 0, 1, 0, 0, 1, 1, 1, 1, 1, 1, 1, 0, 1,
             1, 0, 0, 0, 0, 1, 1, 1, 0, 1, 0, 1, 1, 0, 0, 0, 1, 0, 1, 1, 0, 0,
             1, 1, 1, 0, 0, 0, 0, 0, 1, 1, 0, 1, 0, 1, 1, 1, 1, 0, 1, 0, 1,
             1, 0, 0, 1, 0, 0, 1, 0, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 1, 1,
             0, 0, 0, 0, 0, 1, 1, 0, 1, 0, 0, 1, 0, 1, 1, 0, 1, 0, 0, 1, 0, 0,
             1, 0, 1, 0, 1, 1, 0, 1, 0, 1, 0, 1, 0, 1, 1, 0, 0, 1, 0, 1, 0, 1,
             1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 1, 1, 0, 0, 1, 1, 0, 0, 1, 0, 0,
             1, 0, 0, 1, 0, 1, 1, 1, 1, 0, 1, 1, 0, 0, 1, 0, 1, 1, 0, 0, 1, 1,
             1, 1, 0, 1, 0, 0, 1, 0, 0, 1, 1, 0, 0, 0, 0, 0, 1, 1, 1, 1, 1, 1,
             1, 1, 0, 0, 0, 1, 1, 1, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 1, 1, 1,
             1, 0, 0, 1, 1, 0, 1, 1, 0, 1, 1, 1, 1, 0, 1, 0, 1, 1, 1, 1, 0, 1,
             1, 1, 0, 0, 1, 0, 0, 1, 0, 0, 1, 0, 1, 1, 1, 1, 0, 0, 0, 0, 1,
            0, 0, 1, 1, 1, 1, 1, 1, 0, 1, 1, 1, 0, 0, 0, 1, 1, 0, 0, 1, 0, 1,
             0, 1, 0, 0, 0, 0, 0, 1, 1, 0, 1, 0, 1, 1, 1, 0, 0, 0, 1, 1, 1,
             0, 0, 0, 0, 1, 0, 0, 1, 0, 0, 0, 1, 0, 1, 0, 0, 0, 0, 1, 0, 0, 0
             1, 1, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 1, 1, 0, 0, 0, 1, 1, 0, 1,
             1, 1, 0, 1, 1, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 0, 0, 0, 1, 0, 1,
             1, 0, 1, 0, 0, 0, 1, 0, 1, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 1, 1,
             0, 0, 1, 1, 0, 0, 0, 1, 0, 1, 0, 0, 0, 1, 1, 0, 1, 1, 0, 0, 0,
             1, 0, 0, 1, 0, 1, 0, 1, 1, 1, 1, 0, 1, 0, 1, 1, 1, 0, 1, 1, 0, 0,
             0, 1, 0, 1, 1, 1, 1, 1, 1, 1, 0, 1, 0, 0, 0, 1, 1, 0, 0, 0, 1, 0,
             1, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 1, 0, 0, 1, 0,
             1, 1, 0, 1, 1, 1, 1, 1, 0, 1, 0, 0, 1, 1, 1, 0, 0, 1, 1, 1, 1,
             0, 1, 1, 0, 0, 0, 0, 0, 0, 1, 0, 1, 0, 1, 1, 1, 1, 0, 0, 1, 0, 0,
            0, 1, 0, 0, 1, 0, 0, 1, 1, 0, 1, 0, 1, 1, 1, 1, 1, 0, 1, 1, 0, 0, 1,
             1, 1, 1, 1, 1, 0, 1, 0, 0, 0, 0, 1, 1, 1, 0, 1, 0, 0, 0, 1, 1, 1,
             1, 1, 1, 0, 0, 1, 0, 0, 1, 0, 0, 1, 1, 0, 1, 0, 0, 1, 1, 0, 1, 1,
             1, 0, 1, 1, 0, 0, 1])
```

```
[68]: classifier = RandomForestClassifier(n_estimators=20, random_state=5)
      classifier
[68]: RandomForestClassifier(bootstrap=True, class_weight=None, criterion='gini',
                 max_depth=None, max_features='auto', max_leaf_nodes=None,
                 min_impurity_decrease=0.0, min_impurity_split=None,
                 min_samples_leaf=1, min_samples_split=2,
                 min_weight_fraction_leaf=0.0, n_estimators=20, n_jobs=None,
                  oob_score=False, random_state=5, verbose=0, warm_start=False)
[69]: classifier.fit(X, y)
[69]: RandomForestClassifier(bootstrap=True, class_weight=None, criterion='gini',
                 max_depth=None, max_features='auto', max_leaf_nodes=None,
                 min_impurity_decrease=0.0, min_impurity_split=None,
                 min_samples_leaf=1, min_samples_split=2,
                 min_weight_fraction_leaf=0.0, n_estimators=20, n_jobs=None,
                  oob_score=False, random_state=5, verbose=0, warm_start=False)
[70]: print(classifier.feature_importances_)
     [0.80983914 0.19016086]
[71]: print(classifier.predict([[0, 0]]))
     [0]
[72]: y_prediction = classifier.predict(X_test)
      y_prediction
[72]: array([0, 0, 0, 1, 1, 0, 0, 0, 0, 1, 0, 1, 0, 1, 0, 0, 0, 1, 1, 0, 0, 0,
             0, 0, 1, 1, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 1, 1, 1, 0, 1, 0, 0, 0,
             0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 1, 0, 0, 1, 0, 1, 1, 0, 0, 0, 1, 0,
             0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 1, 0, 1, 0, 0, 0, 1, 0, 1, 1, 0, 1,
             1, 0, 0, 1, 0, 1, 1, 1, 0, 1, 1, 1, 0, 1, 0, 1, 1, 0, 0, 1, 1,
             0, 0, 0, 0, 1, 0, 1, 1, 0, 0, 1, 0, 1, 1, 1, 0, 1, 1, 0, 0, 1, 0,
             0, 1, 0, 1, 1, 0, 0, 0, 0, 1, 1, 1, 1, 1, 0, 1, 1, 0, 1, 0, 1, 0,
             1, 0, 0, 0, 1, 1, 0, 0, 0, 1, 0, 1, 0, 1, 0, 1, 0, 0, 0, 1, 1, 0,
             0, 0, 1, 0, 1, 1, 1, 0, 1, 1, 0, 0, 0, 0, 1, 1, 1, 1, 0, 1, 1, 0,
             0, 1, 0, 1, 1, 0, 1, 0, 1, 0, 0, 1, 1, 1, 1, 0, 0, 0, 0, 0, 1, 0,
             0, 1, 0, 1, 0, 0, 0, 1, 0, 0, 1, 0, 0, 1, 1, 1, 1, 1, 1, 1, 0, 1,
             1, 0, 0, 0, 0, 1, 1, 1, 0, 1, 0, 1, 1, 0, 0, 0, 1, 0, 1, 1, 0, 0,
             1, 1, 1, 0, 0, 0, 0, 0, 1, 1, 0, 1, 0, 1, 1, 1, 1, 0, 1, 0, 1,
             1, 0, 0, 1, 0, 0, 1, 0, 1, 0, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 1, 1,
             0, 0, 0, 0, 0, 1, 1, 0, 1, 0, 0, 1, 0, 1, 1, 0, 1, 0, 0, 1, 0, 0,
             1, 0, 1, 0, 1, 1, 0, 1, 0, 1, 0, 1, 0, 1, 1, 0, 0, 1, 0, 1, 0, 1,
             1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 1, 1, 0, 0, 1, 1, 0, 0, 1, 0, 0,
```

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1, 1, 0, 1, 0, 0, 1, 0, 0, 1, 1, 0, 0, 0, 0, 0, 1, 1, 1, 1, 1, 1,
            1, 1, 0, 0, 0, 1, 1, 1, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 1, 1, 1,
            1, 0, 0, 1, 1, 0, 1, 1, 0, 1, 1, 1, 1, 0, 1, 0, 1, 1, 1, 1, 0, 1,
            1, 1, 0, 0, 1, 0, 0, 1, 0, 0, 1, 0, 1, 1, 1, 1, 0, 0, 0, 0, 1,
            0, 0, 1, 1, 1, 1, 1, 1, 0, 1, 1, 1, 0, 0, 0, 1, 1, 0, 0, 1, 1,
            0, 1, 0, 0, 0, 0, 0, 1, 1, 0, 1, 0, 1, 1, 1, 0, 0, 0, 1, 1, 1,
            0, 0, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1, 0, 0, 0, 1, 0, 0, 0,
            1, 1, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 1,
            1, 1, 0, 1, 1, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 0, 0, 0, 1, 0, 1,
            1, 0, 1, 0, 0, 0, 1, 1, 1, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 1, 1,
            0, 0, 1, 1, 0, 0, 0, 1, 0, 1, 0, 0, 0, 1, 1, 0, 1, 1, 0, 0, 0,
            1, 0, 0, 1, 0, 1, 0, 1, 1, 1, 1, 0, 1, 0, 1, 1, 1, 0, 1, 1, 0, 0,
            0, 1, 0, 1, 1, 1, 1, 1, 1, 0, 1, 0, 0, 0, 1, 1, 0, 0, 0, 1, 0,
            1, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 1, 0, 0, 1, 0,
            1, 1, 0, 1, 1, 1, 1, 1, 1, 0, 1, 0, 0, 1, 1, 1, 0, 0, 1, 1, 1, 1,
            0, 1, 1, 0, 0, 0, 0, 0, 1, 0, 1, 0, 1, 1, 1, 1, 0, 0, 1, 0, 0,
            0, 1, 0, 0, 1, 0, 0, 1, 1, 0, 1, 0, 1, 1, 1, 1, 0, 1, 1, 0, 0, 1,
            1, 1, 1, 1, 1, 0, 1, 0, 0, 0, 0, 1, 1, 1, 0, 1, 0, 0, 0, 1, 1, 1,
            1, 1, 1, 0, 0, 1, 0, 0, 1, 0, 0, 1, 1, 0, 1, 0, 0, 1, 1, 0, 1, 1,
            1, 0, 1, 1, 0, 0, 1])
[73]: # Accuracy
     print(metrics.accuracy_score(y_test, y_prediction))
     0.9951278928136419
[80]: classifier.apply(X)
[80]: array([[ 32, 77, 42, ..., 20, 22, 28],
             [125, 152, 136, ..., 196, 178, 88],
             [251, 256, 256, ..., 251, 239, 231],
             [ 30, 28, 29, ..., 20, 12, 45],
             [233, 243, 246, ..., 239, 231, 211],
             [ 32, 77, 42, ..., 20, 22, 28]], dtype=int64)
[81]: classifier.decision_path(X)
[81]: (<2736x5196 sparse matrix of type '<class 'numpy.int64'>'
             with 482453 stored elements in Compressed Sparse Row format>,
                0, 271, 544, 819, 1118, 1375, 1638, 1891, 2152, 2437, 2698,
             2967, 3204, 3447, 3678, 3947, 4168, 4427, 4706, 4953, 5196],
            dtype=int32))
[82]: classifier.get_params(deep=True)
```

1, 0, 0, 1, 0, 1, 1, 1, 1, 0, 1, 1, 0, 0, 1, 0, 1, 1, 0, 1, 1, 1,

```
[82]: {'bootstrap': True,
       'class_weight': None,
       'criterion': 'gini',
       'max_depth': None,
       'max_features': 'auto',
       'max_leaf_nodes': None,
       'min_impurity_decrease': 0.0,
       'min_impurity_split': None,
       'min_samples_leaf': 1,
       'min_samples_split': 2,
       'min_weight_fraction_leaf': 0.0,
       'n_estimators': 20,
       'n_jobs': None,
       'oob_score': False,
       'random_state': 5,
       'verbose': 0,
       'warm_start': False}
[83]: classifier.predict_log_proba(X)
     C:\ProgramData\Anaconda3\lib\site-packages\sklearn\ensemble\forest.py:630:
     RuntimeWarning: divide by zero encountered in log
       return np.log(proba)
[83]: array([[ 0., -inf],
             [-inf,
                      0.],
             [-inf,
                      0.],
             [ 0., -inf],
             [-inf, 0.],
             [ 0., -inf]])
[84]: classifier.predict_proba(X)
[84]: array([[1., 0.],
             [0., 1.],
             [0., 1.],
             [1., 0.],
             [0., 1.],
             [1., 0.]])
[85]: classifier.score(X, y)
[85]: 0.9974415204678363
 []:
```