

```
>>> df.select(split(col("email"), '@')[1].alias("domain"), "count").groupBy("domain").count().orderBy("count", ascending=False).show(50)
```

```
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```

domain	count
gmail.com	5076
redhat.com	172
apache.org	166
163.com	114
hotmail.com	92
gnu.org	88
googlegroups.com	78
freebsd.org	77
qq.com	68
google.com	62
outlook.com	61
yahoo.com	61
intel.com	56
debian.org	54
mirantis.com	35
oracle.com	33
gmx.de	31
openjdk.java.net	27
126.com	24
python.org	24
web.de	21
googlemail.com	21
ververica.com	21
gmx.net	21
yandex.ru	21
lists.debian.org	21
huawei.com	21
linux.ibm.com	20
arm.com	18
linux.intel.com	16
protonmail.com	16
golang.org	16
t-online.de	16
free.fr	16
icloud.com	16
syzkaller.appspot...	15
pobox.com	15
canonical.com	15
gmx.com	15
openstack.org	14
vmware.com	14
kernel.org	14
cisco.com	14
posteo.de	13
nokia.com	13
comcast.net	13
linaro.org	13
hpe.com	13
cygwin.com	13
ericsson.com	13

```
+-----+-----+
```

only showing top 50 rows

```
>>> df.select(reverse(split(col("email"), '\.')[0].alias("TLD"), "count").groupBy
```

```
("TLD").count().orderBy("count",ascending=False).show(50)
```

TLD	count
com	8013
org	1289
net	418
de	377
edu	133
uk	109
io	92
fr	90
ca	62
ru	59
au	57
it	54
ch	51
eu	44
nl	44
at	43
jp	39
in	37
se	34
cn	32
us	31
pl	31
cz	31
br	27
ai	21
nz	19
be	19
co	19
es	18
name	18
me	18
no	15
fi	13
cc	12
dk	12
info	12
gov	11
dev	9
xyz	9
gr	9
ie	8
sk	8
hu	8
kr	7
fm	7
mx	7
tr	7
biz	7
pt	6
is	6

only showing top 50 rows

```
>>> df.count()  
11762
```

```
>>> df2.select("*").groupBy("word").count().orderBy("count",ascending=False).show(100)
```

word	count
send	20210
message	16121
2021	15124
unsubscribe	14922
list	12340
mailing	12028
mail	11369
file	10184
flink	9981
email	9358
pm	8777
problem	8485
group	8420
2020	8396
data	8244
code	8071
received	7940
google	7602
discussion	7587
groups	7411
subscribed	7394
visit	7384
view	7247
return	7242
web	7181
time	7094
receiving	7062
emails	6926
job	6894
error	6550
jan	6459
dec	6455
set	6359
version	6224
100644	6038
address	5940
running	5931
info	5910
diff	5815
case	5807
type	5606
add	5585
work	5559
files	5131
python	5049
2022	4964
server	4959
user	4902
struct	4834
read	4570
nov	4533
change	4469
cygwin	4421
messages	4403

int	4392
support	4289
memory	4183
issue	4148
function	4093
start	4086
create	3971
command	3806
good	3744
check	3738
test	3717
long	3675
source	3653
default	3388
static	3247
void	3173
release	3159
configuration	3159
connection	3150
number	3110
package	3094
freebsd	3050
device	3012
class	3012
write	2994
provide	2964
client	2894
request	2890
apache	2876
table	2872
working	2847
output	2846
import	2813
task	2806
cluster	2782
lot	2756
current	2747
works	2746
process	2739
port	2723
bit	2707
windows	2697
public	2680
00	2672
post	2656
build	2648

only showing top 100 rows

```
>>> df2.count()
2356361
```