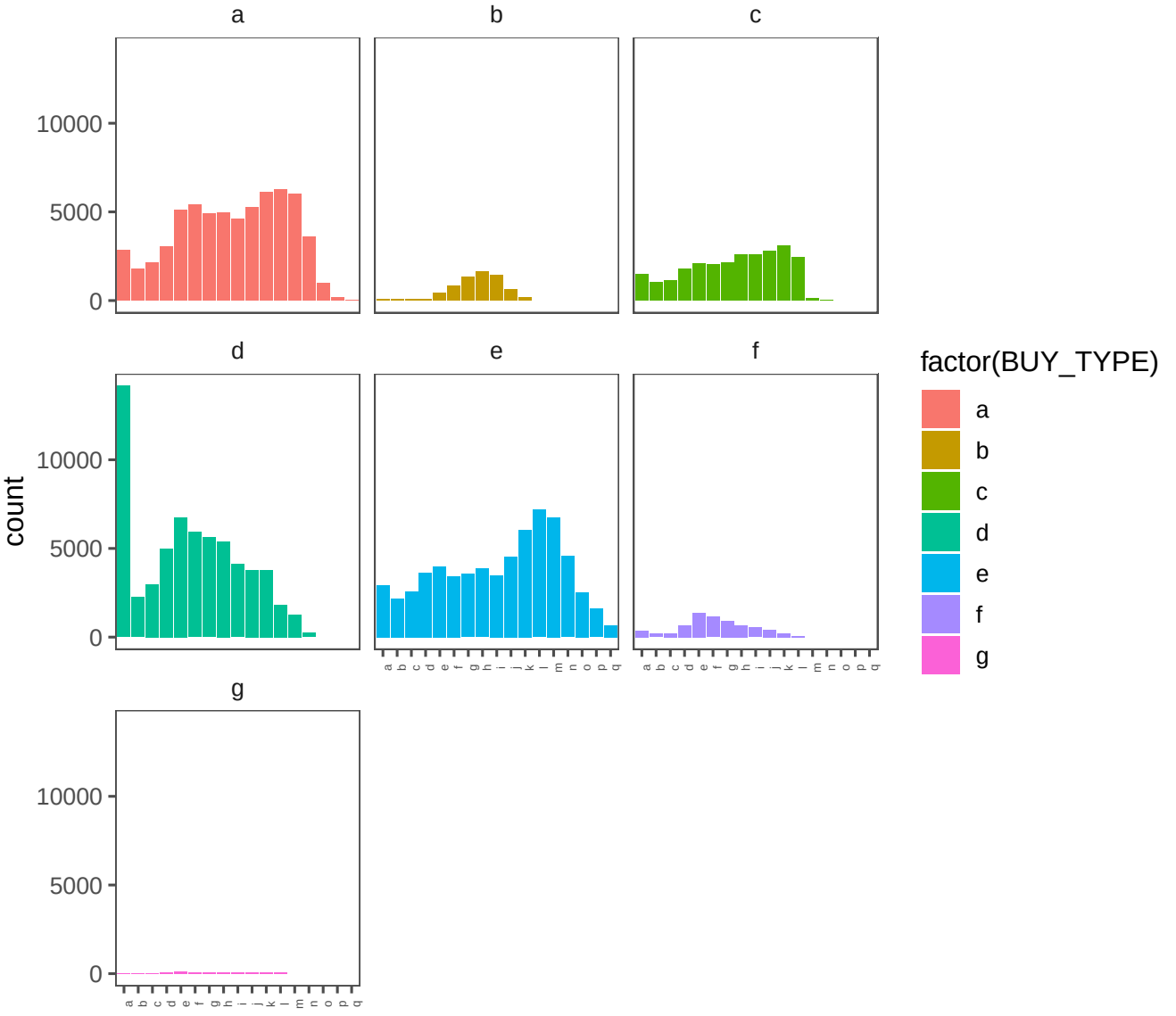
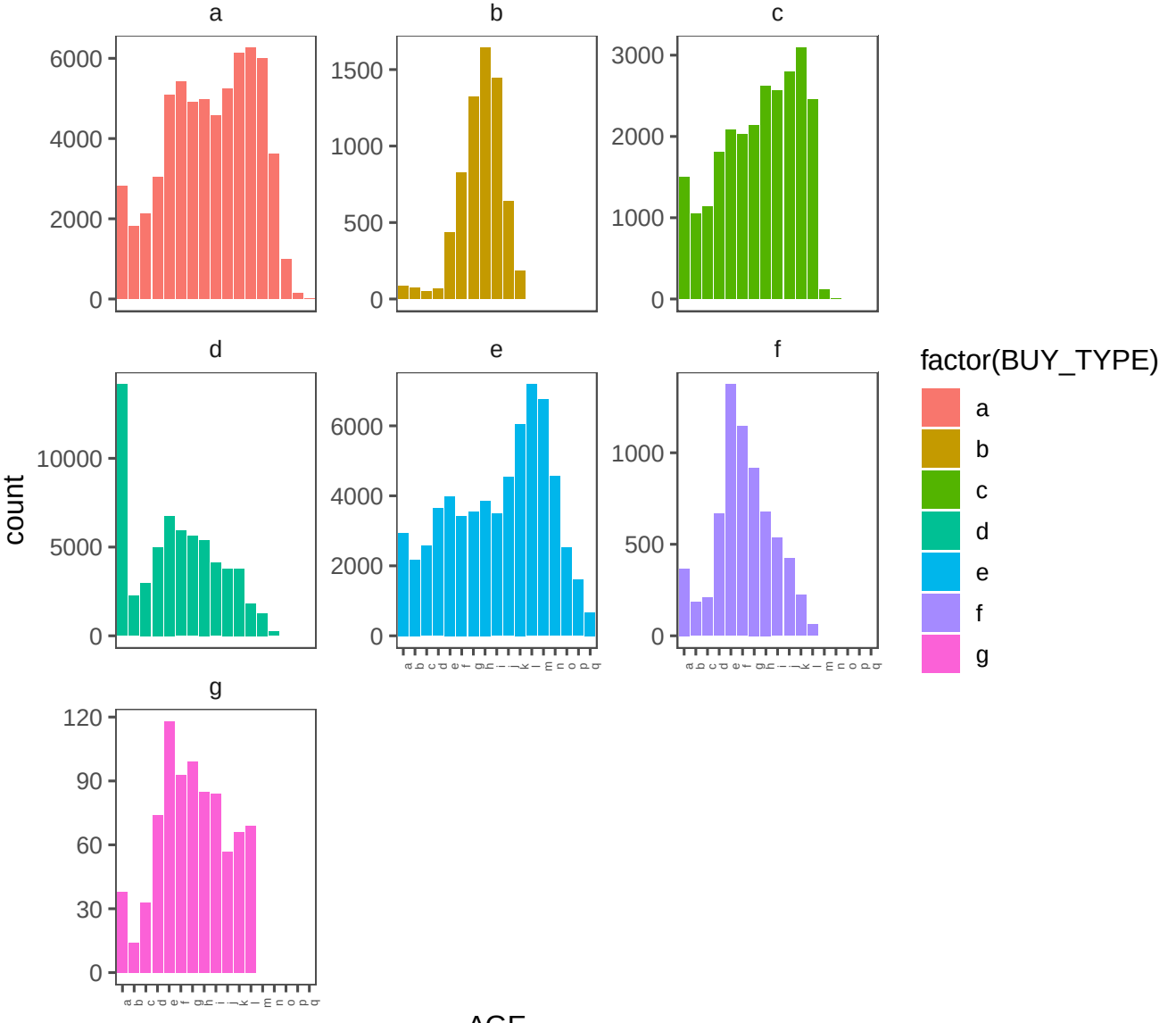
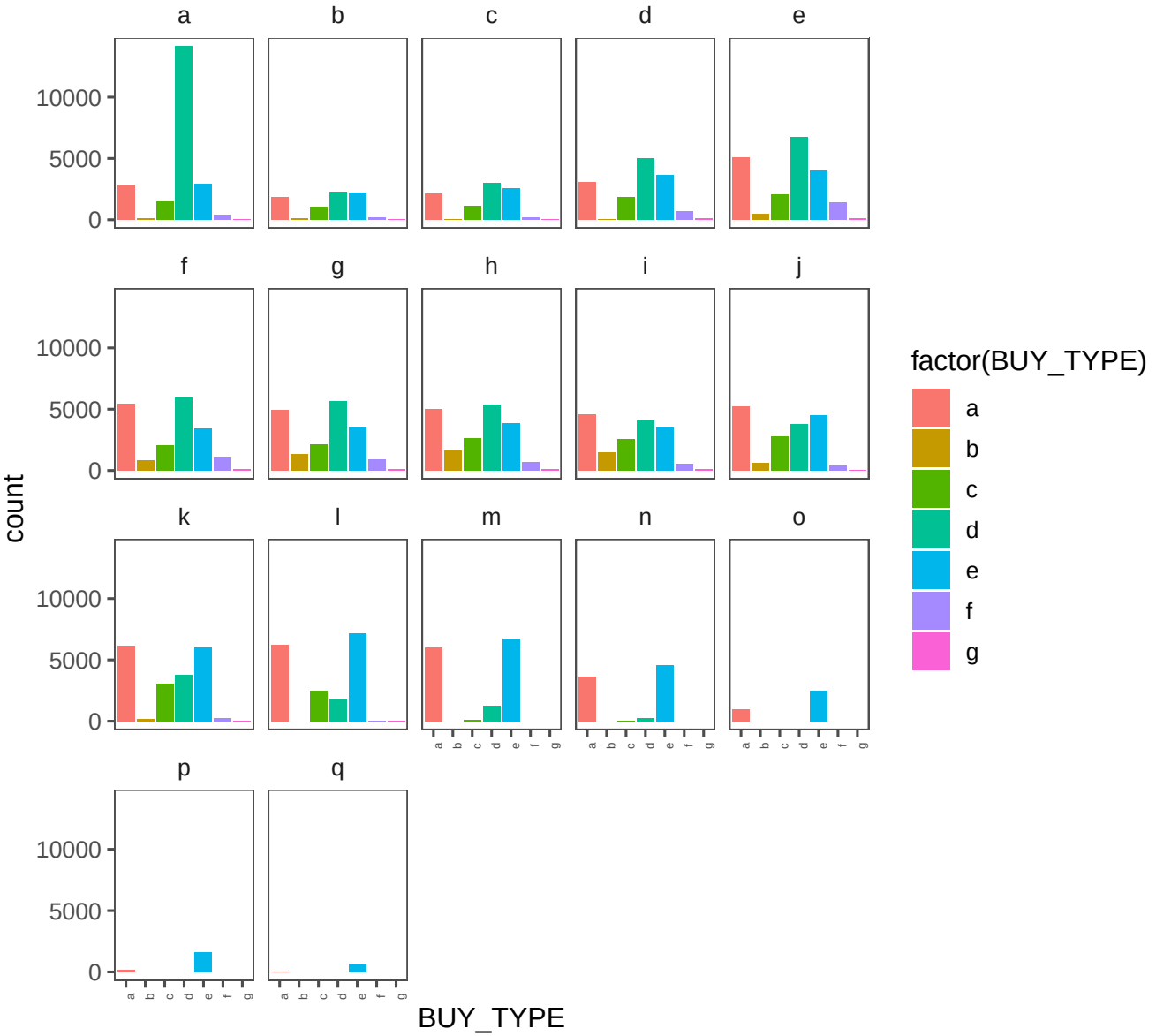
AGE
−Groupby BUY_TYPE,
Fixed Y



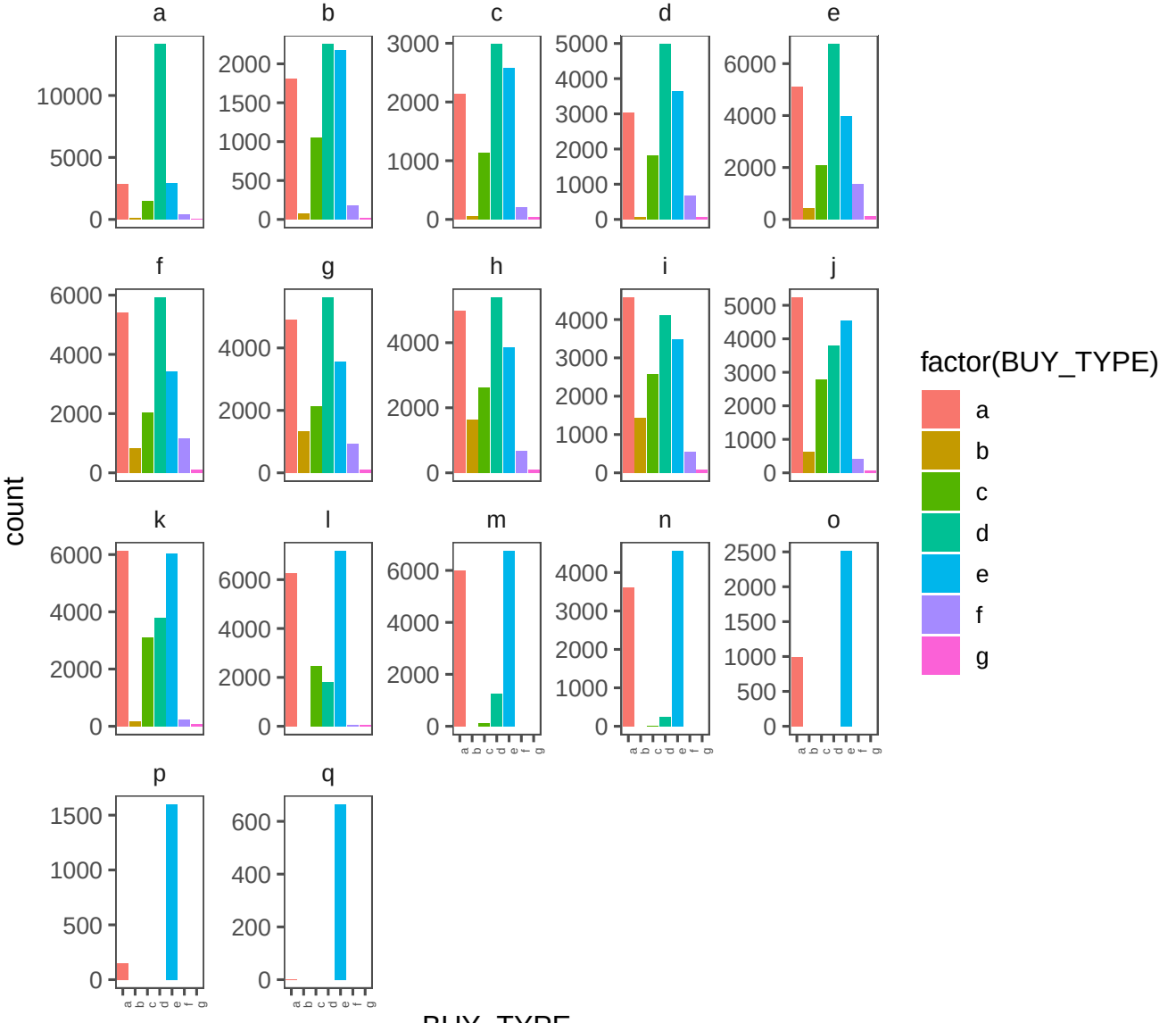
AGE
−Groupby BUY_TYPE,
Relative Y



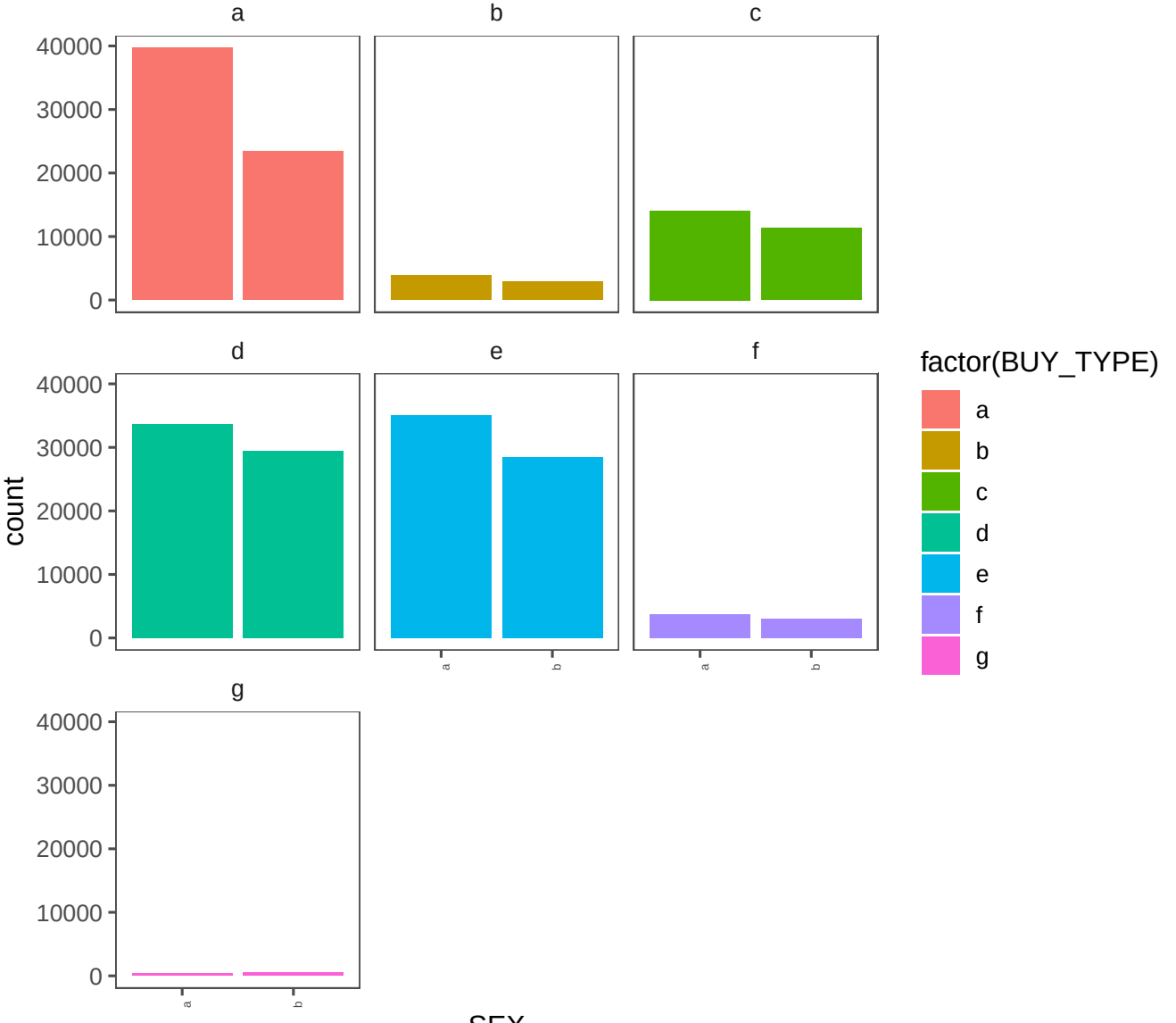
AGE
−Groupby AGE ,
Fixed Y



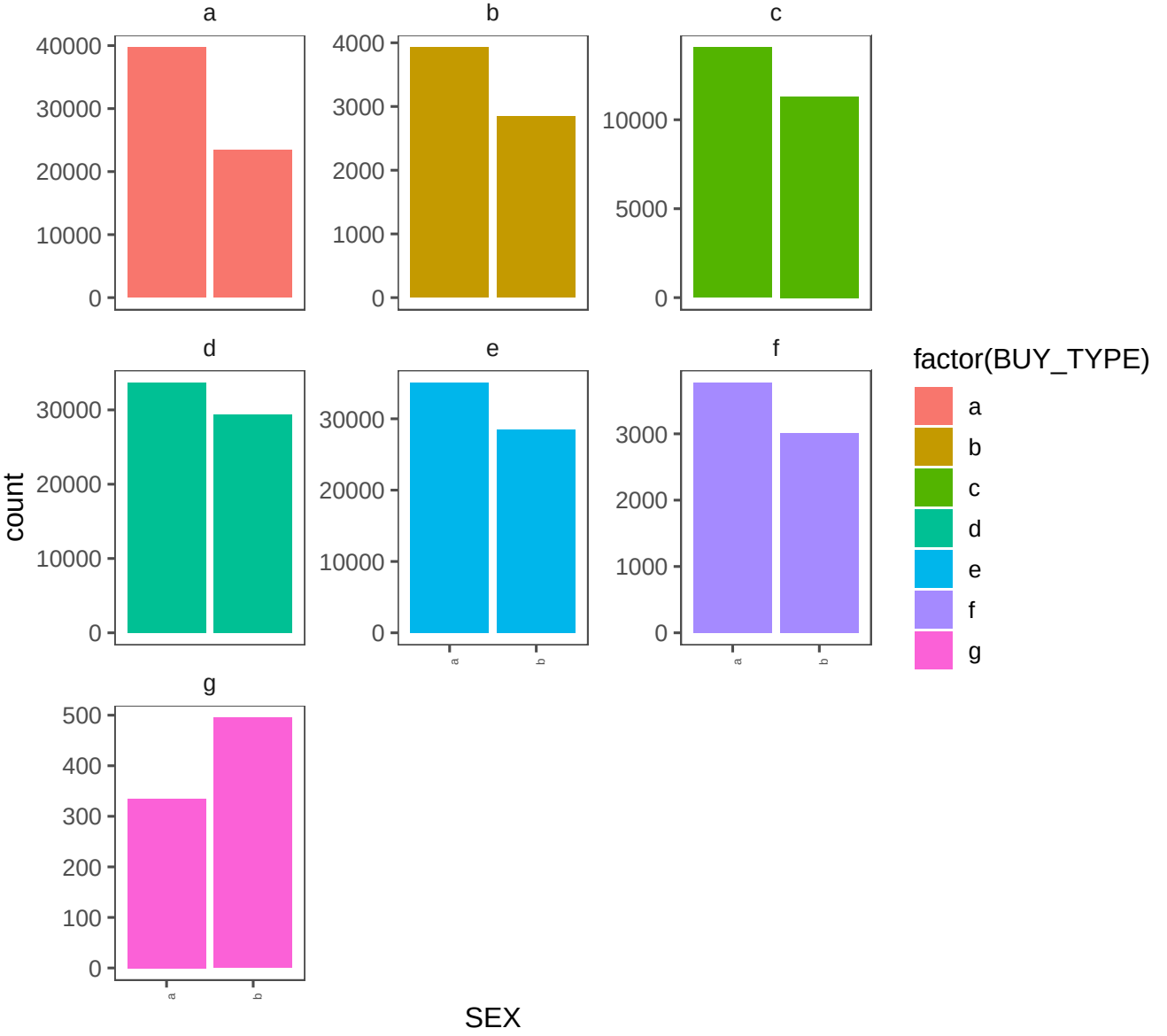
AGE
−Groupby AGE ,
Relative Y



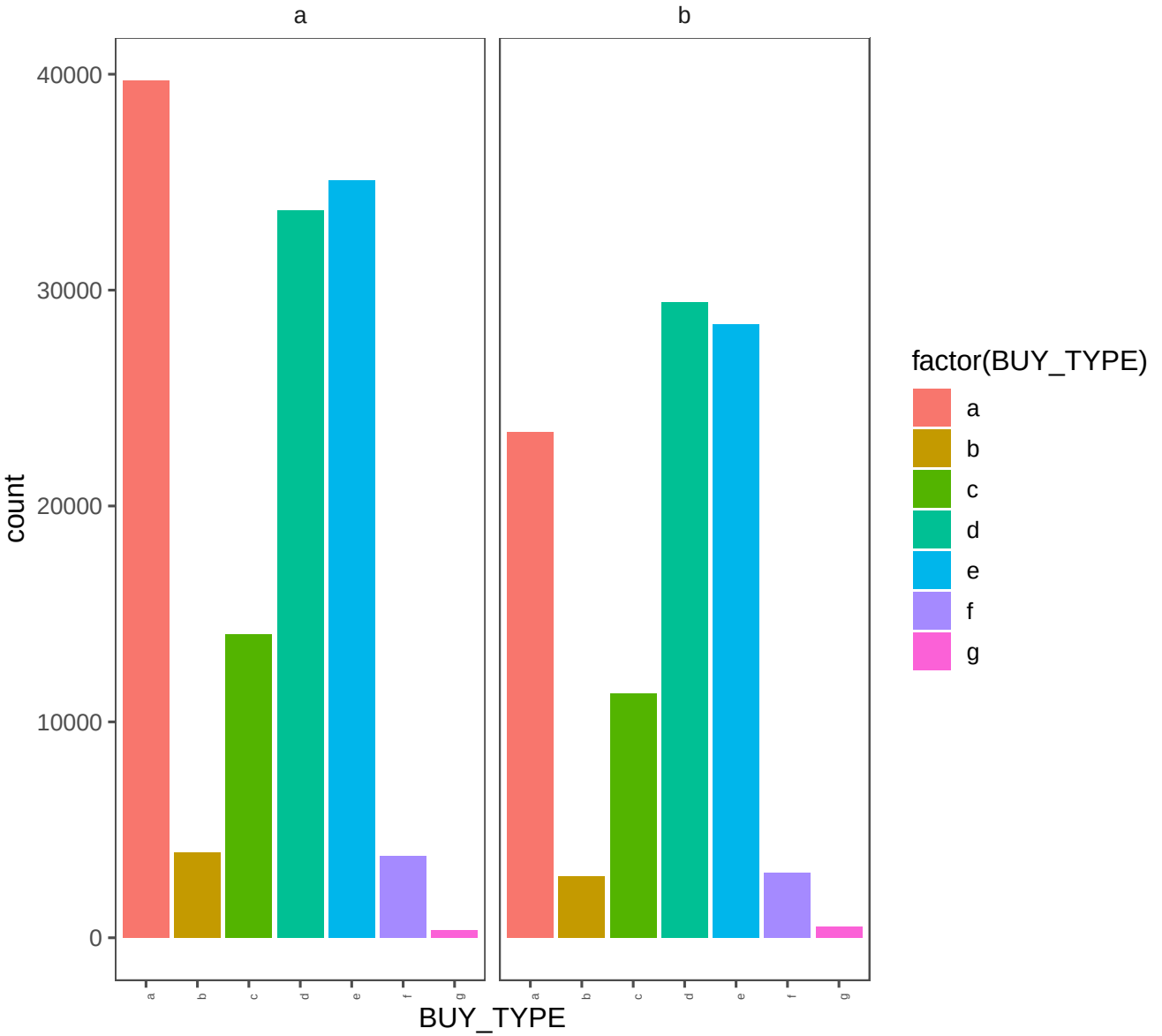
SEX
−Groupby BUY_TYPE,
Fixed Y

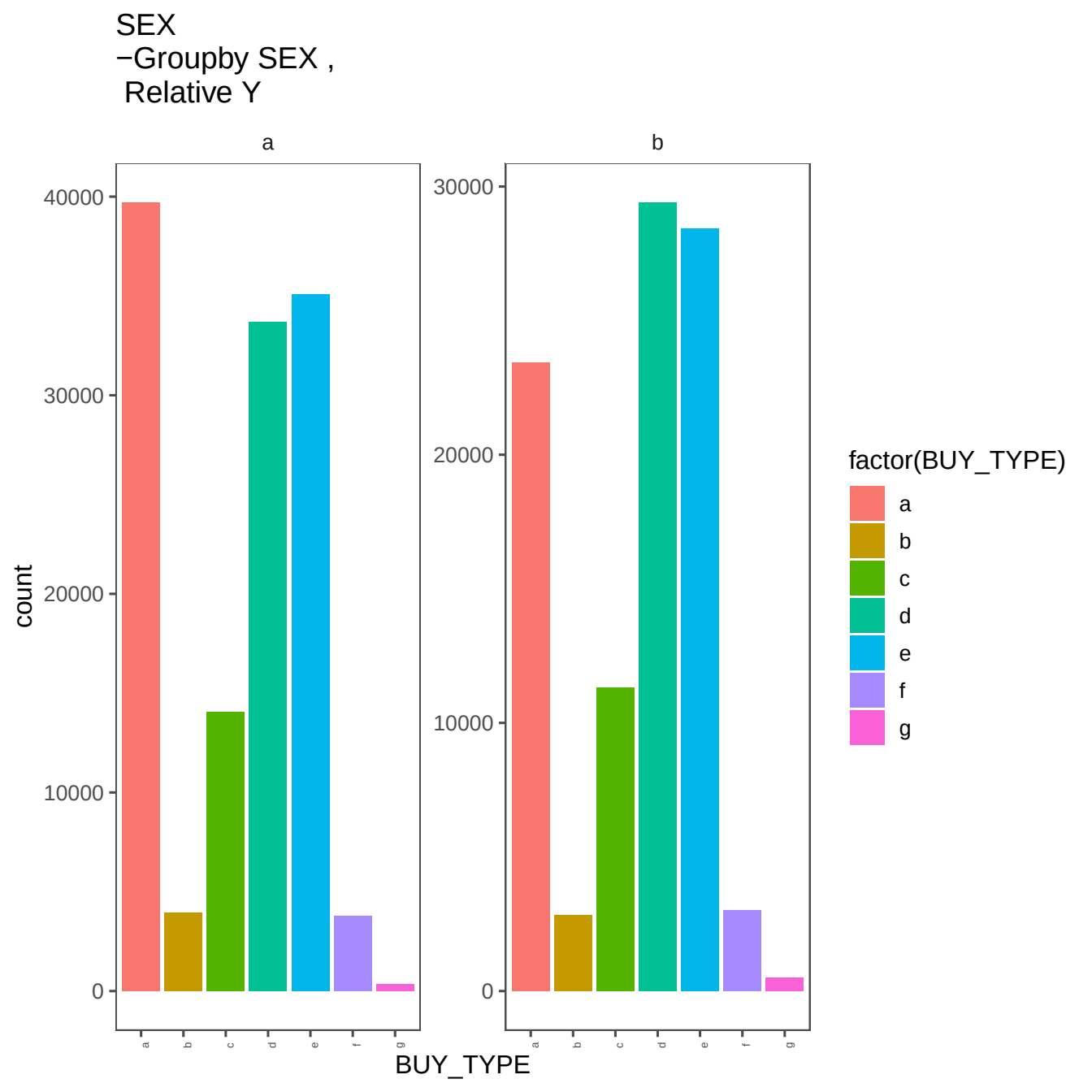


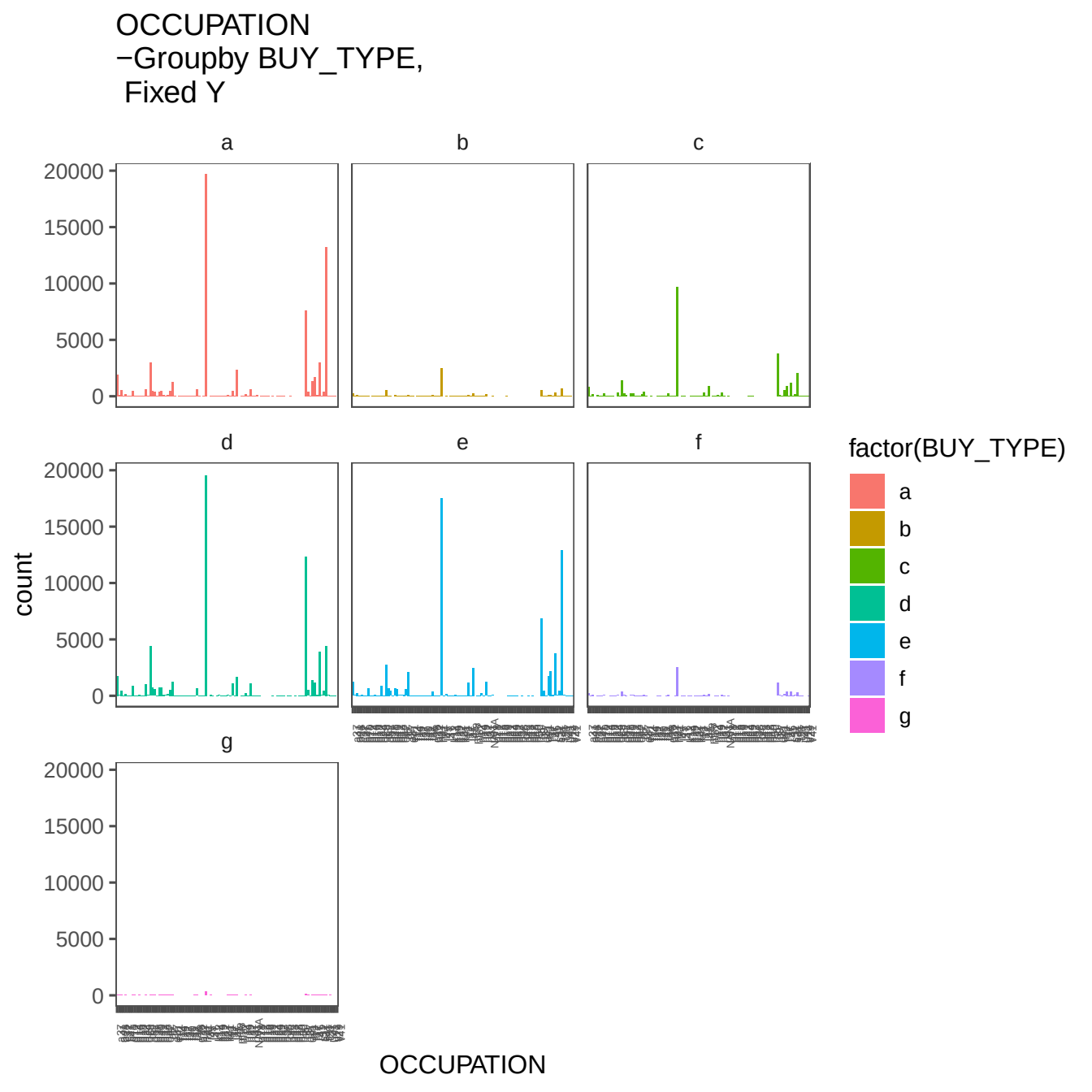
SEX
−Groupby BUY_TYPE,
Relative Y

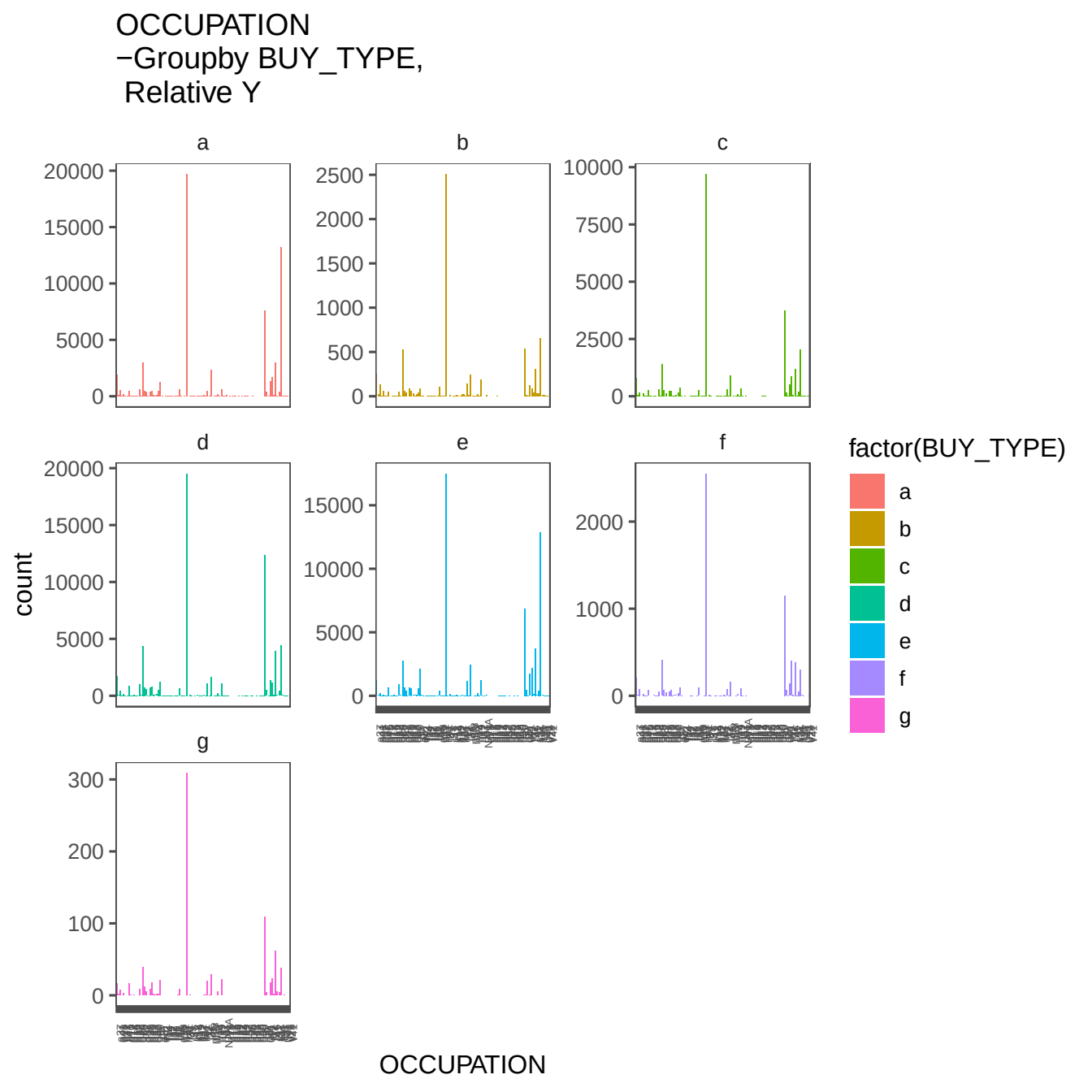


SEX
−Groupby SEX ,
Fixed Y

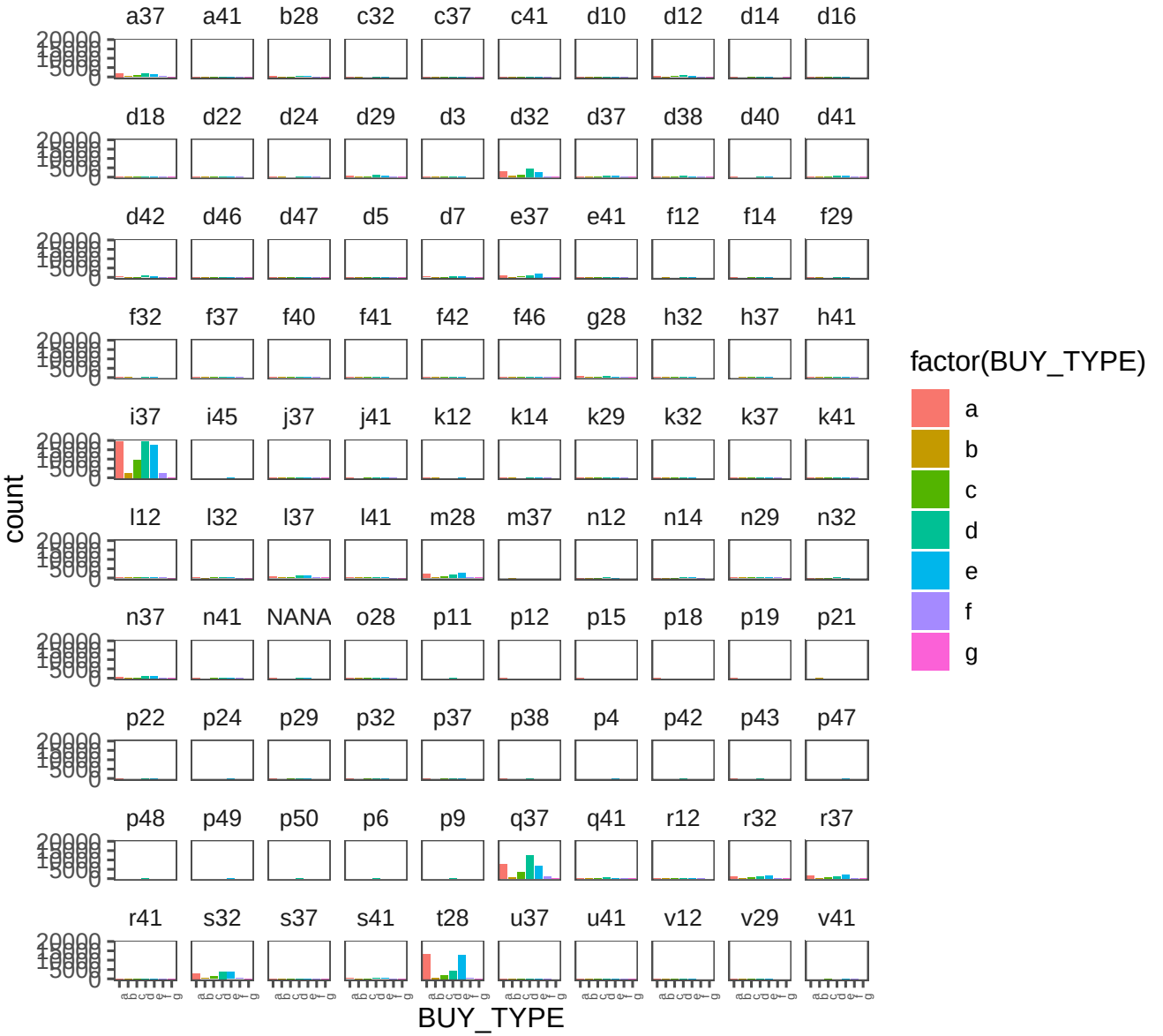


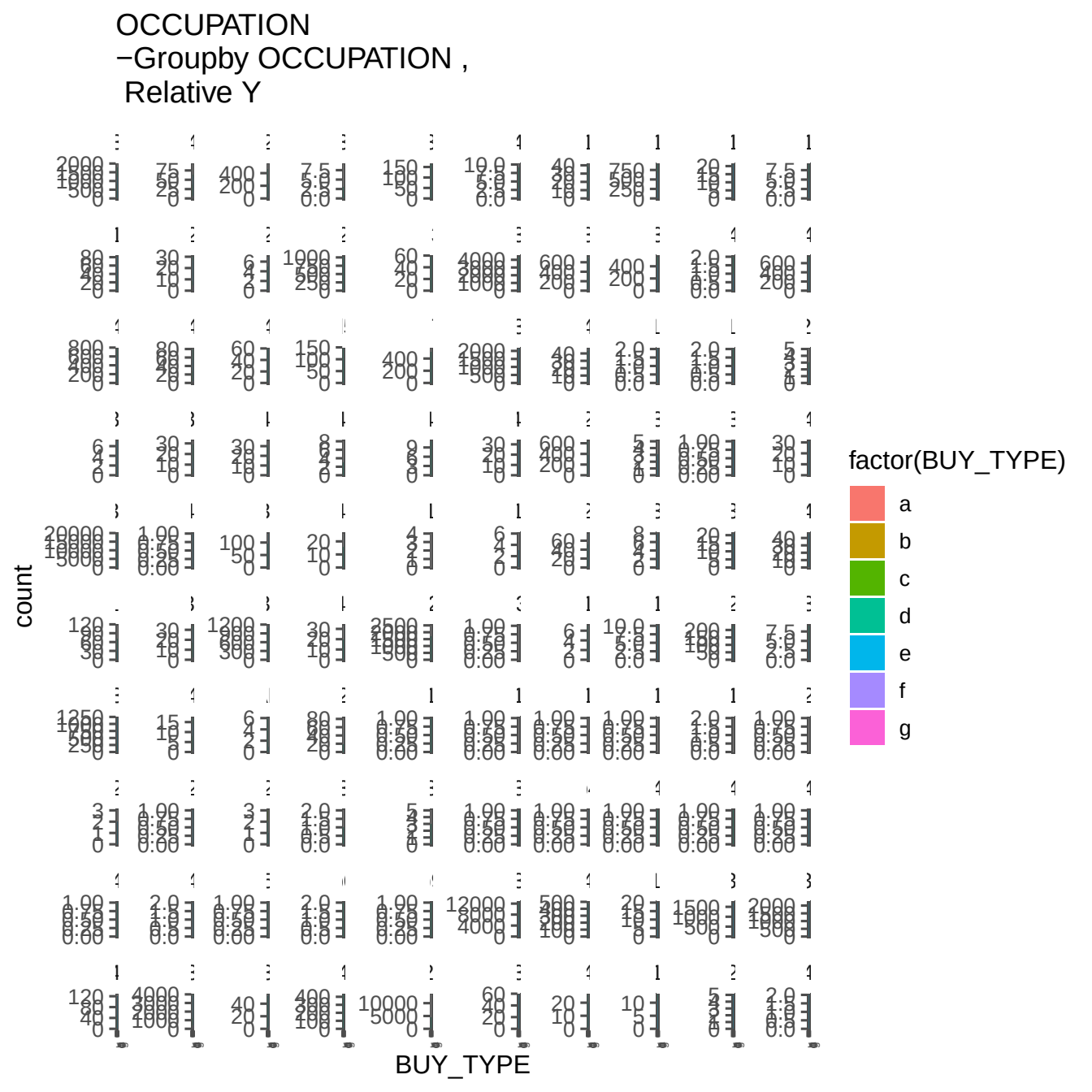

SEX
−Groupby SEX ,
Relative Y
a
b
40000
30000
20000
10000
0
30000
20000
10000
0
count
a
b
c
d
e
f
g
BUY_TYPE
factor(BUY_TYPE)
a
b
c
d
e
f
g


OCCUPATION
−Groupby BUY_TYPE,
Fixed Y
a
b
c
d
e
f
g
20000
15000
10000
5000
0
count
factor(BUY_TYPE)
a
b
c
d
e
f
g
OCCUPATION

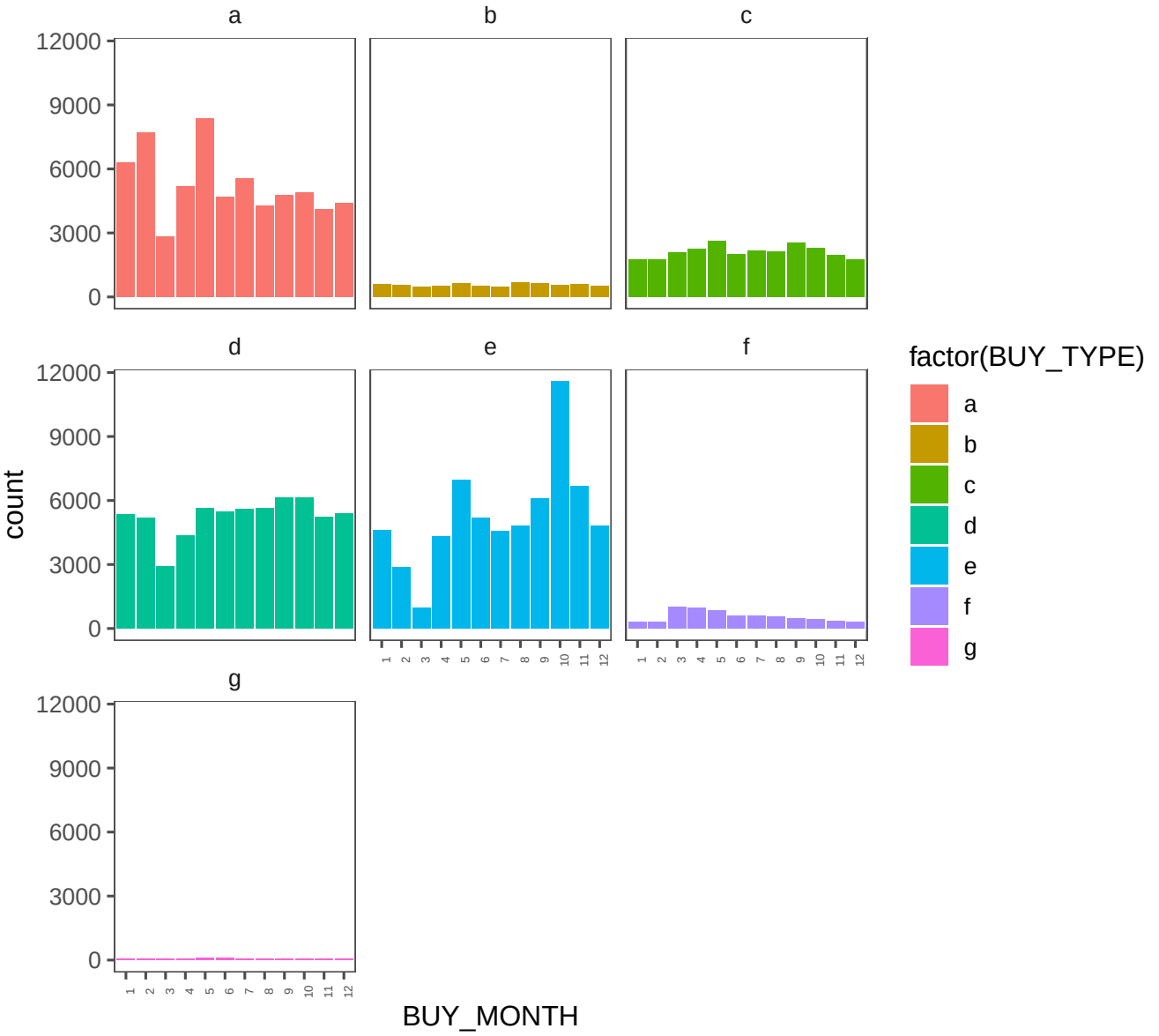

OCCUPATION
−Groupby BUY_TYPE,
Relative Y
a
b
c
d
e
f
g
count
OCCUPATION
factor(BUY_TYPE)
a
b
c
d
e
f
g

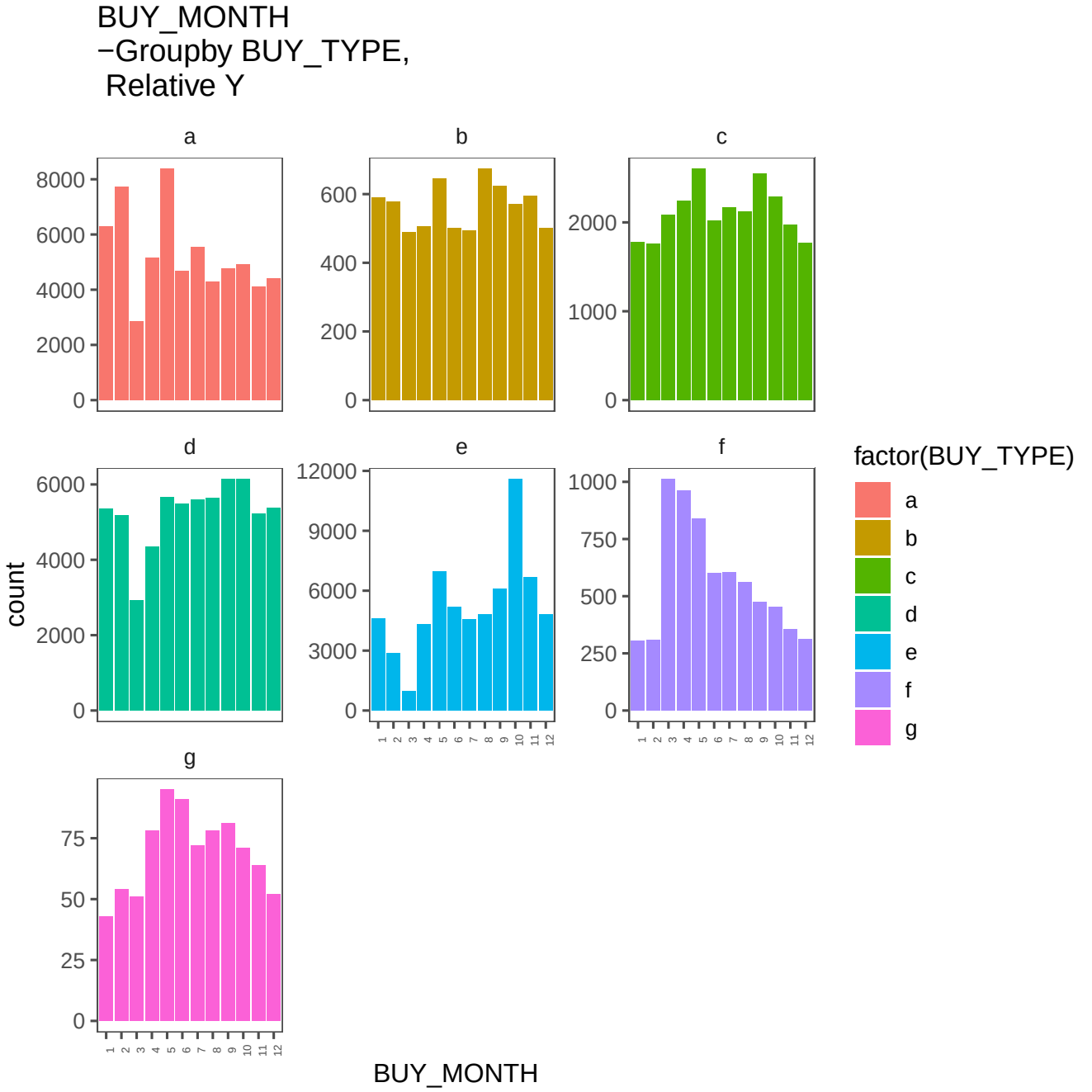
OCCUPATION
−Groupby OCCUPATION ,
Fixed Y



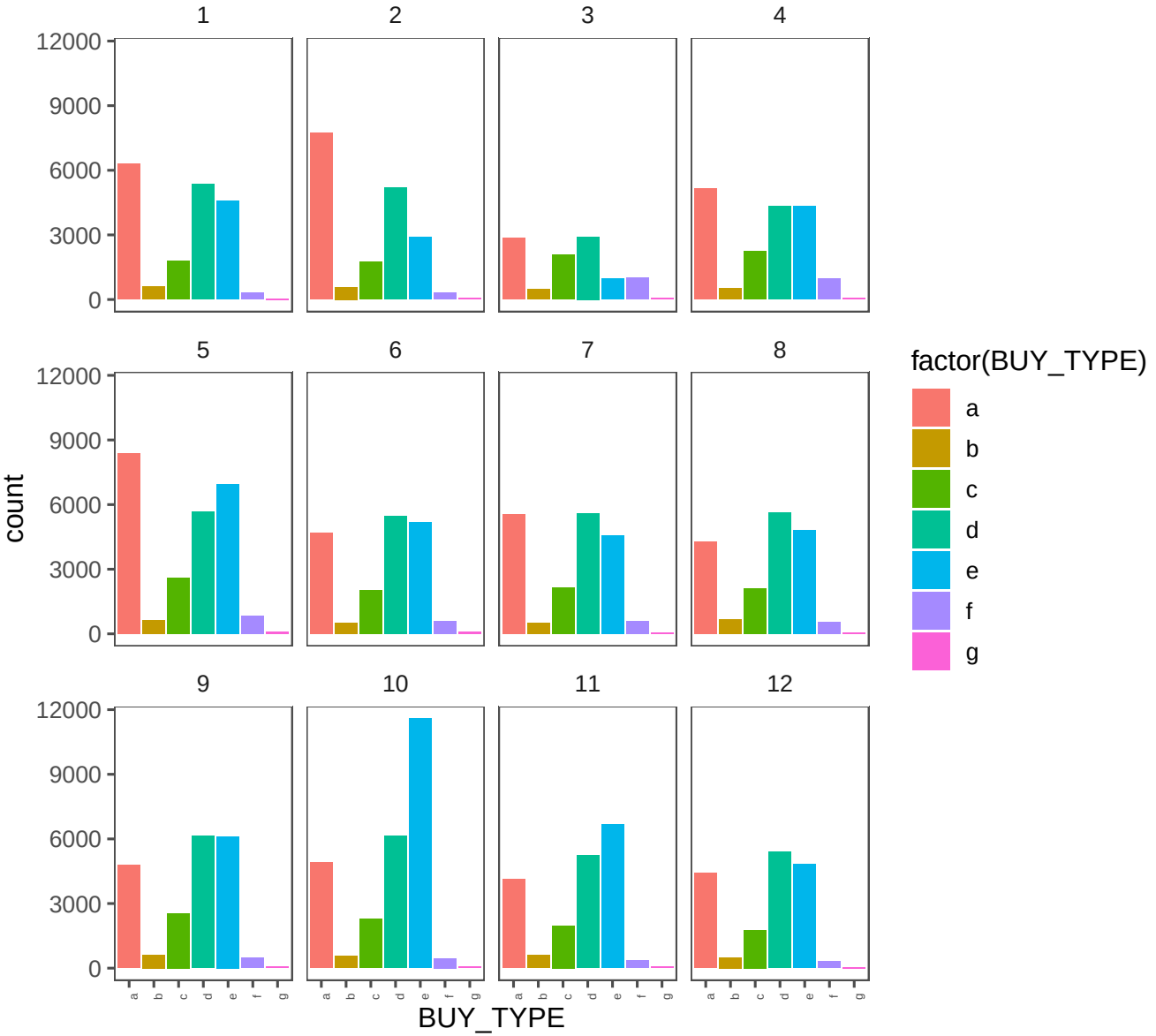

OCCUPATION
−Groupby OCCUPATION ,
Relative Y
count
BUY_TYPE
factor(BUY_TYPE)
a
b
c
d
e
f
g

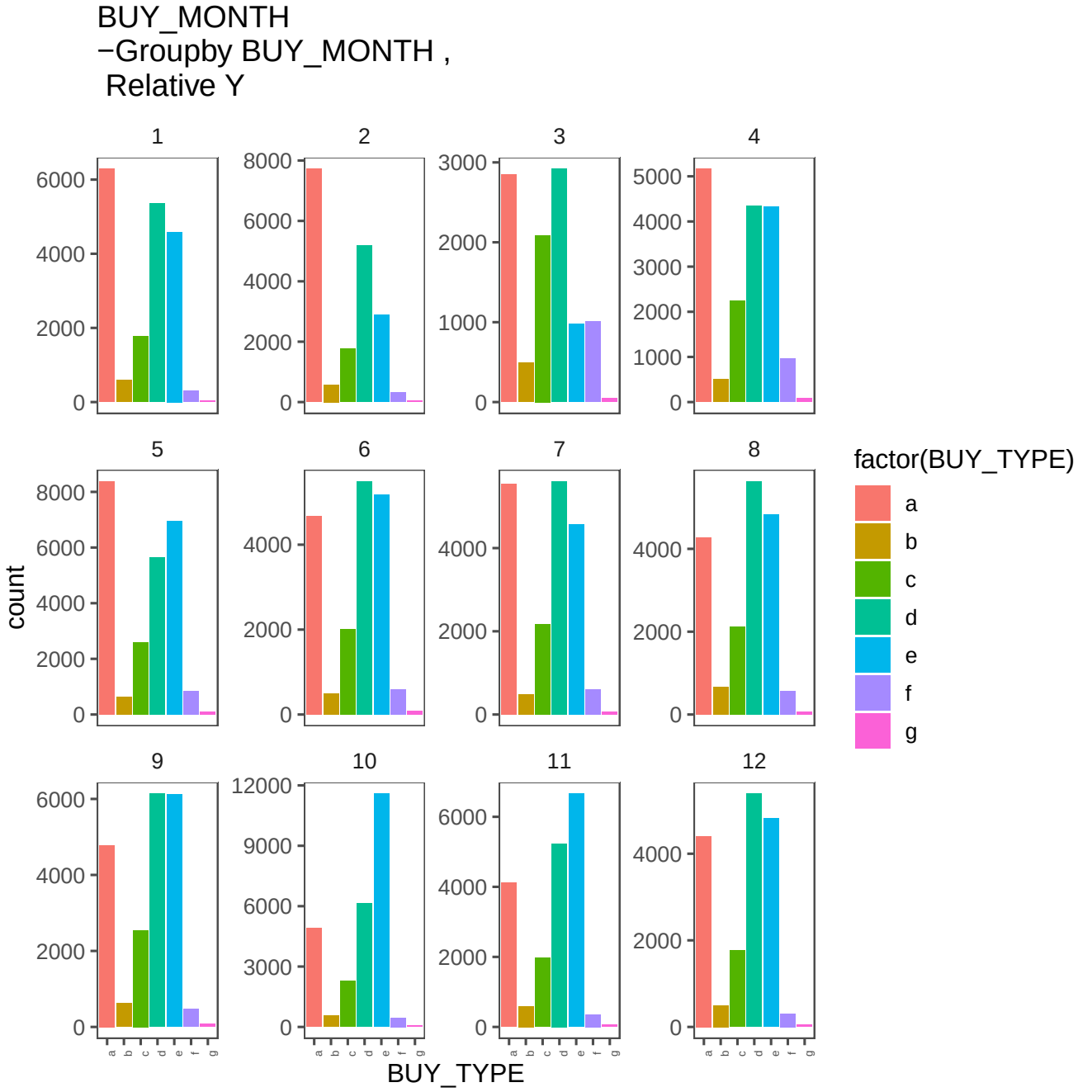
BUY_MONTH
−Groupby BUY_TYPE,
Fixed Y



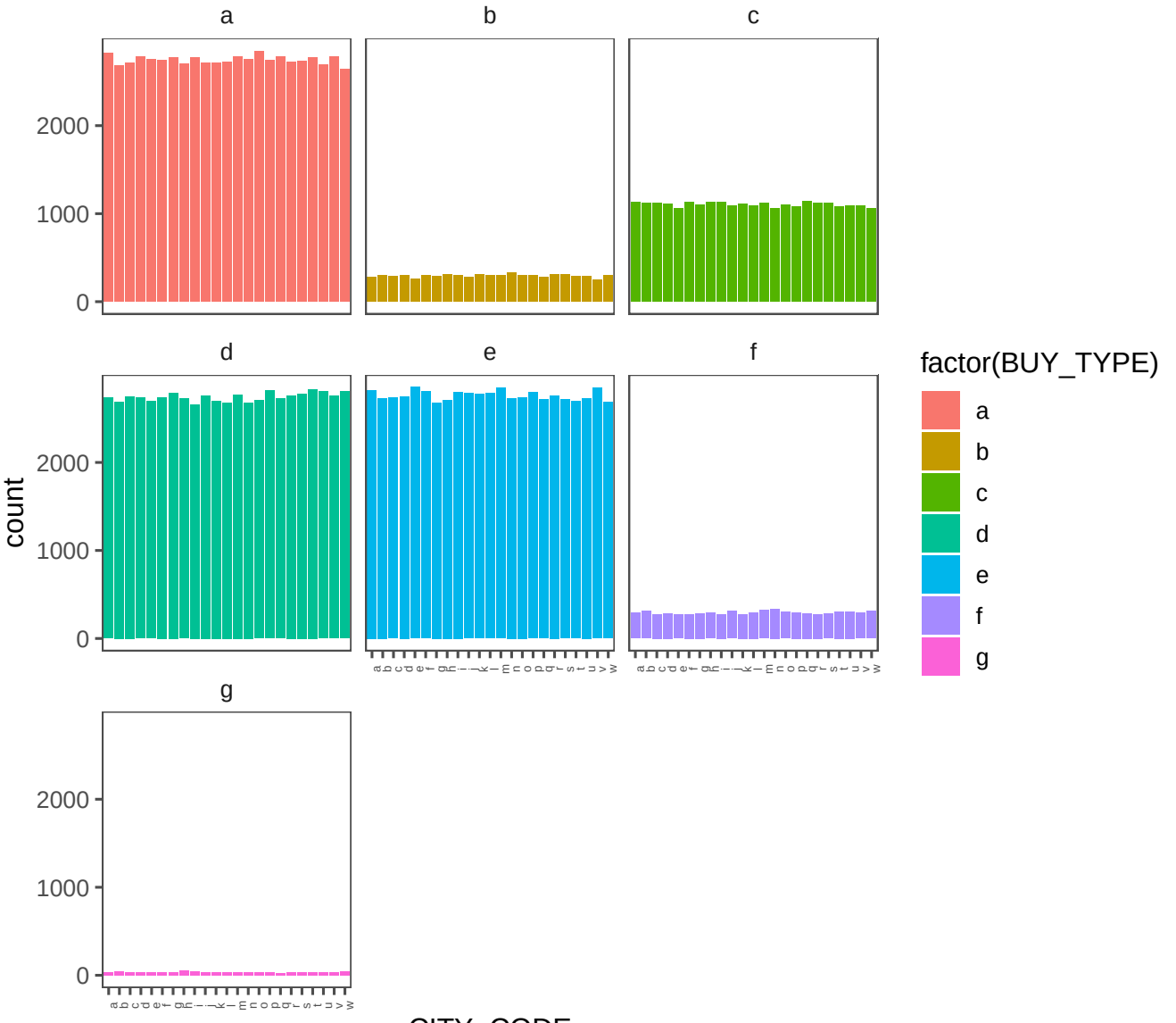

BUY_MONTH
−Groupby BUY_TYPE,
Relative Y
a
b
c
d
e
f
g
count
BUY_MONTH
factor(BUY_TYPE)
a
b
c
d
e
f
g

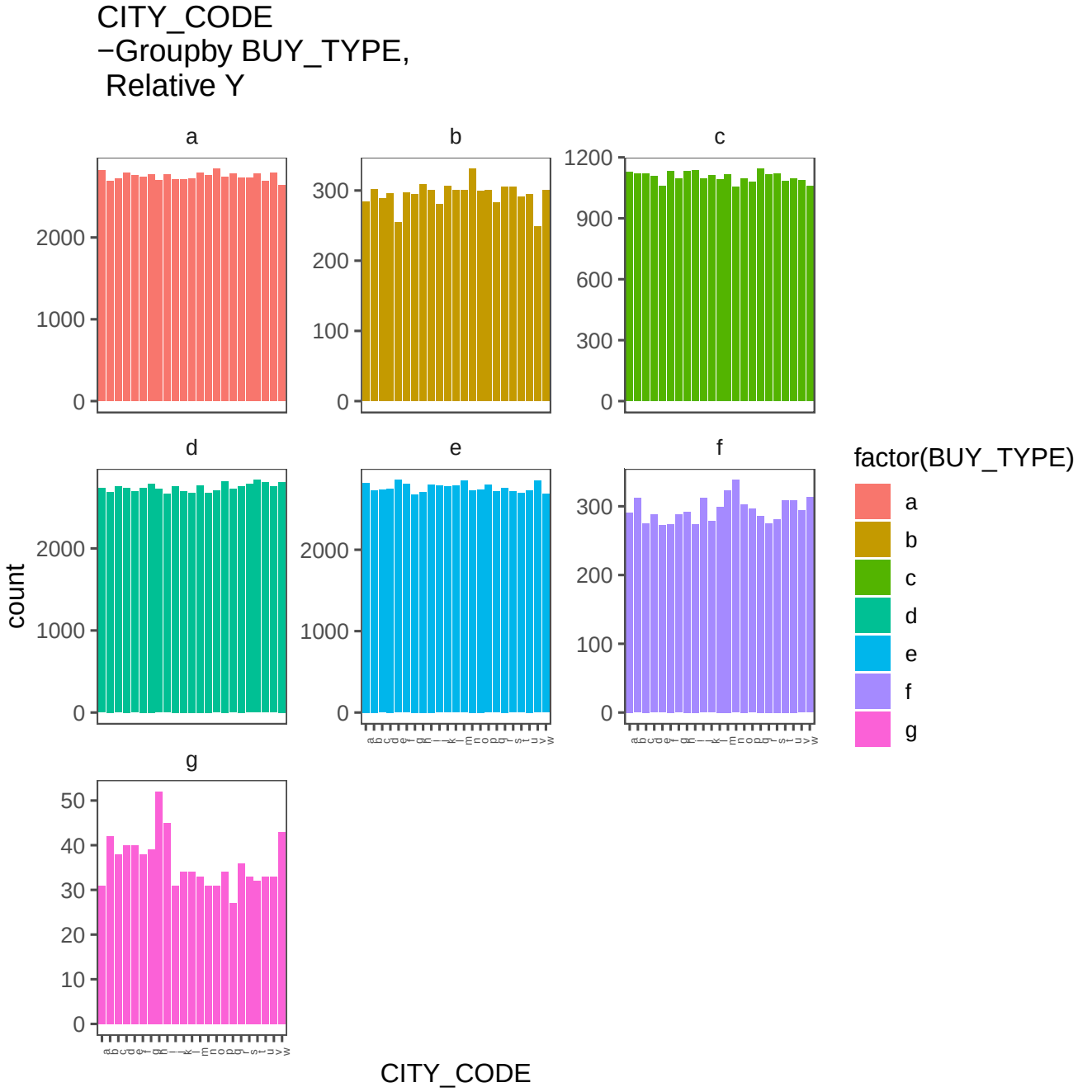
BUY_MONTH
−Groupby BUY_MONTH ,
Fixed Y



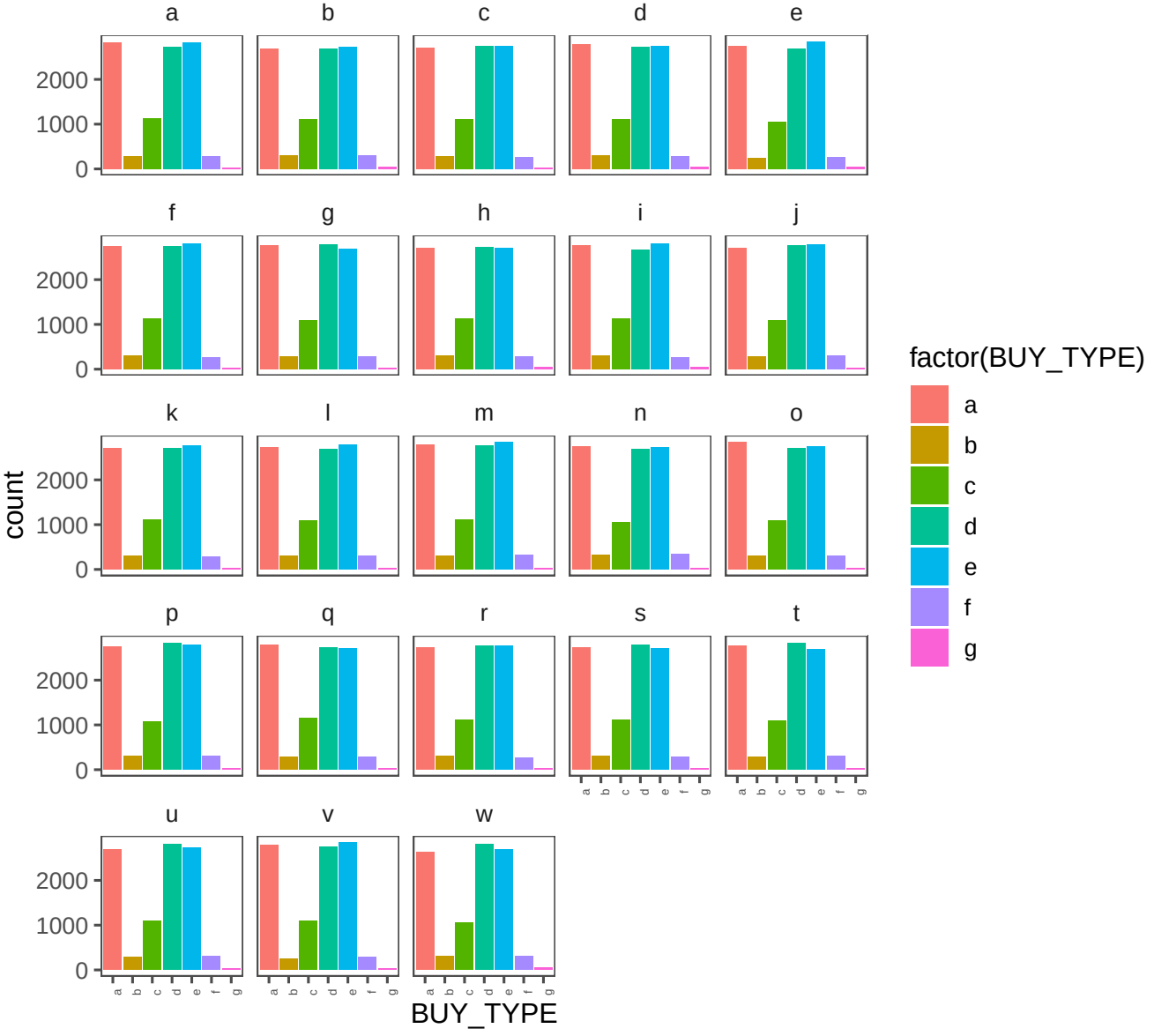

BUY_MONTH
−Groupby BUY_MONTH ,
Relative Y
1
2
3
4
5
6
7
8
9
10
11
12
count
BUY_TYPE
factor(BUY_TYPE)
a
b
c
d
e
f
g

CITY_CODE
−Groupby BUY_TYPE,
Fixed Y

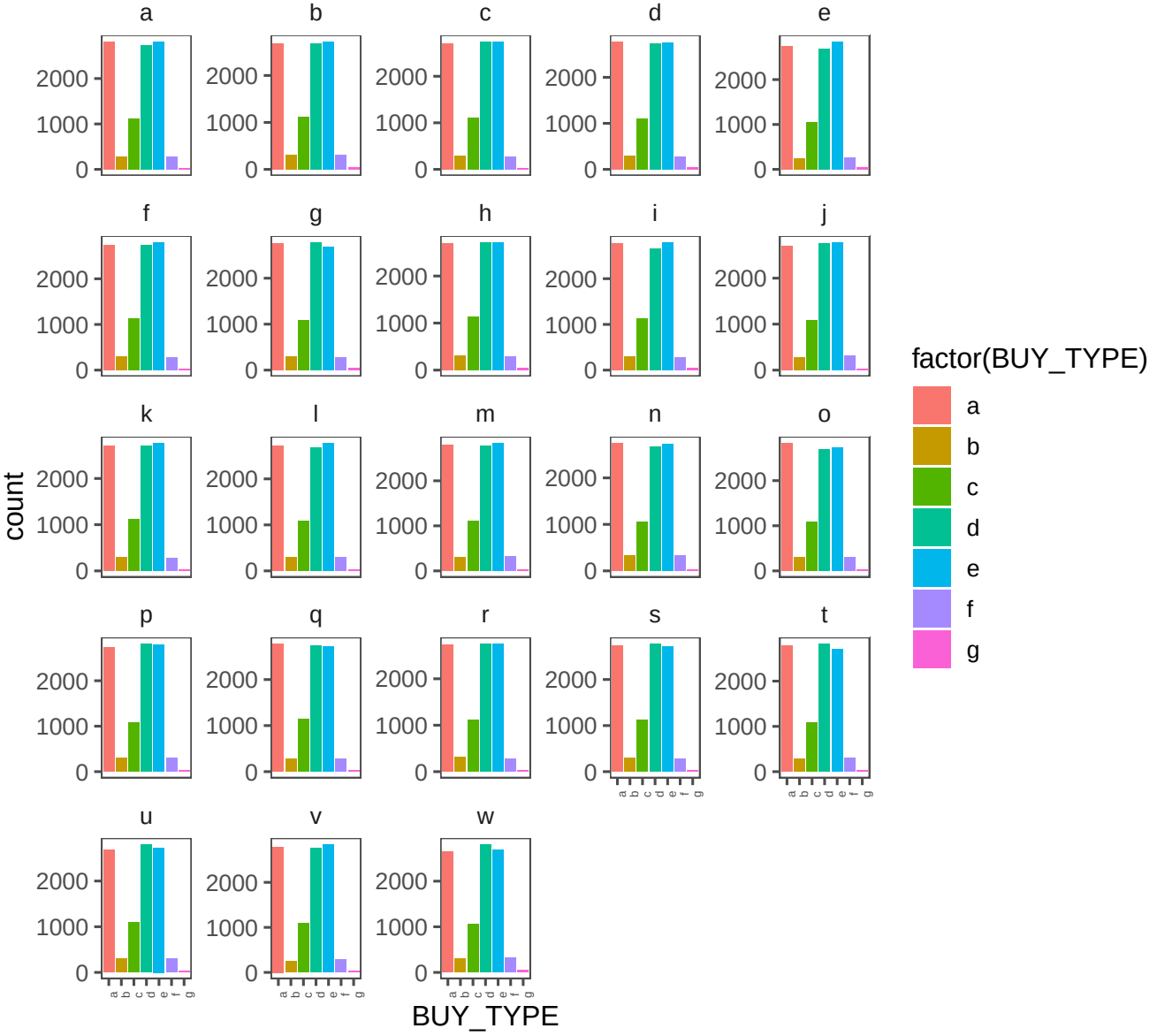



CITY_CODE
−Groupby BUY_TYPE,
Relative Y
a
b
c
d
e
f
g
count
CITY_CODE
factor(BUY_TYPE)
a
b
c
d
e
f
g

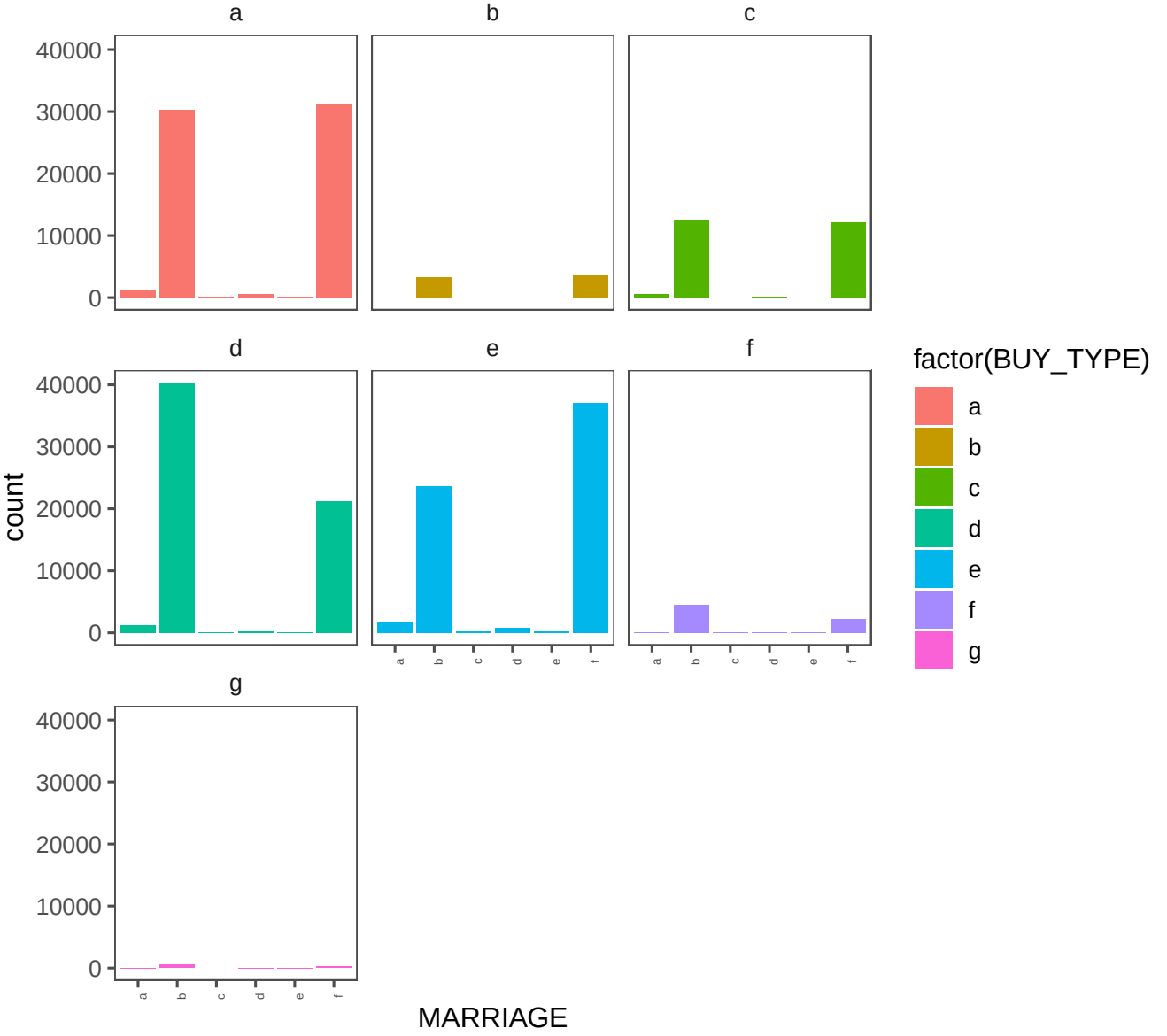
CITY_CODE
−Groupby CITY_CODE ,
Fixed Y

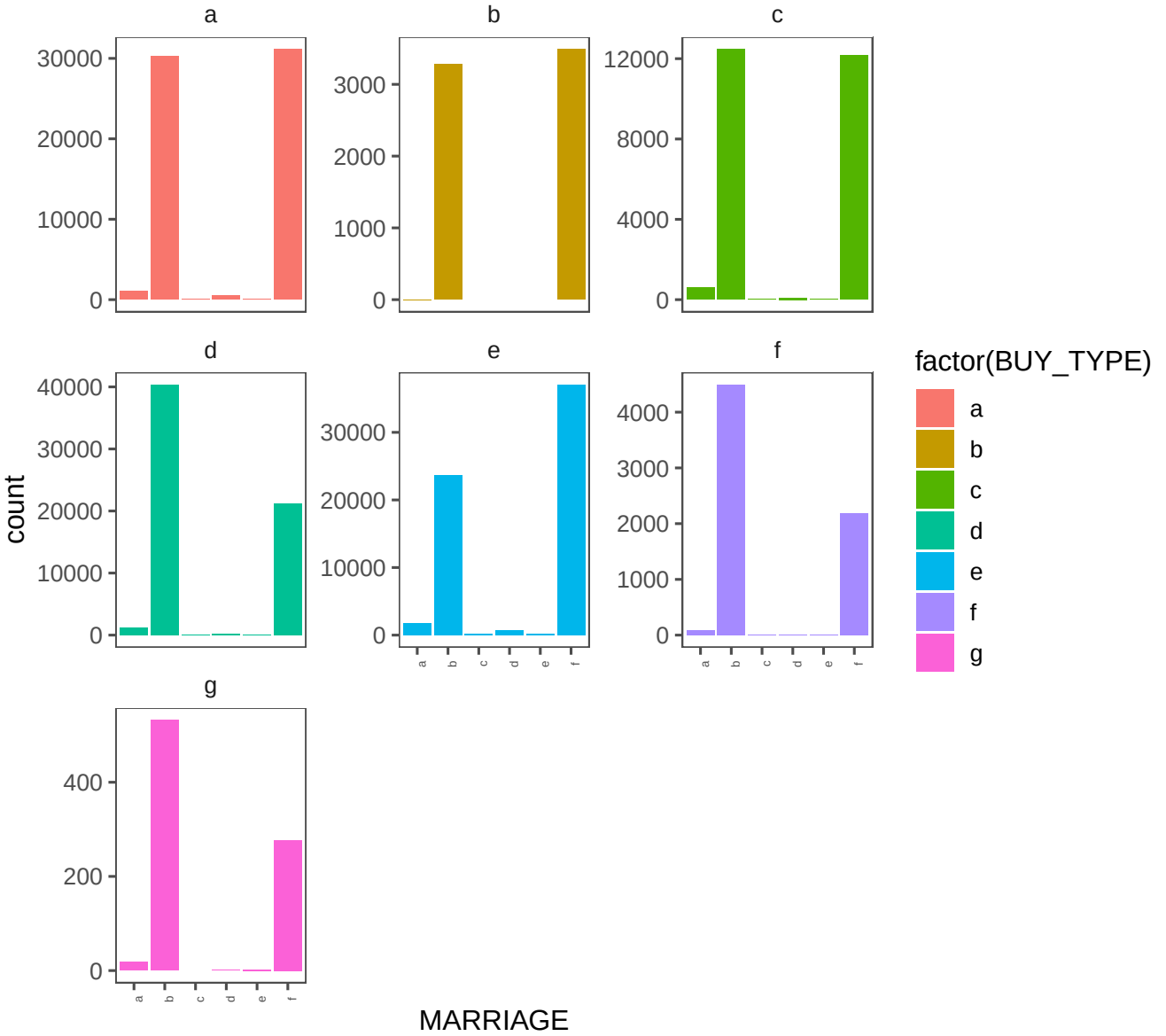


CITY_CODE
−Groupby CITY_CODE ,
Relative Y

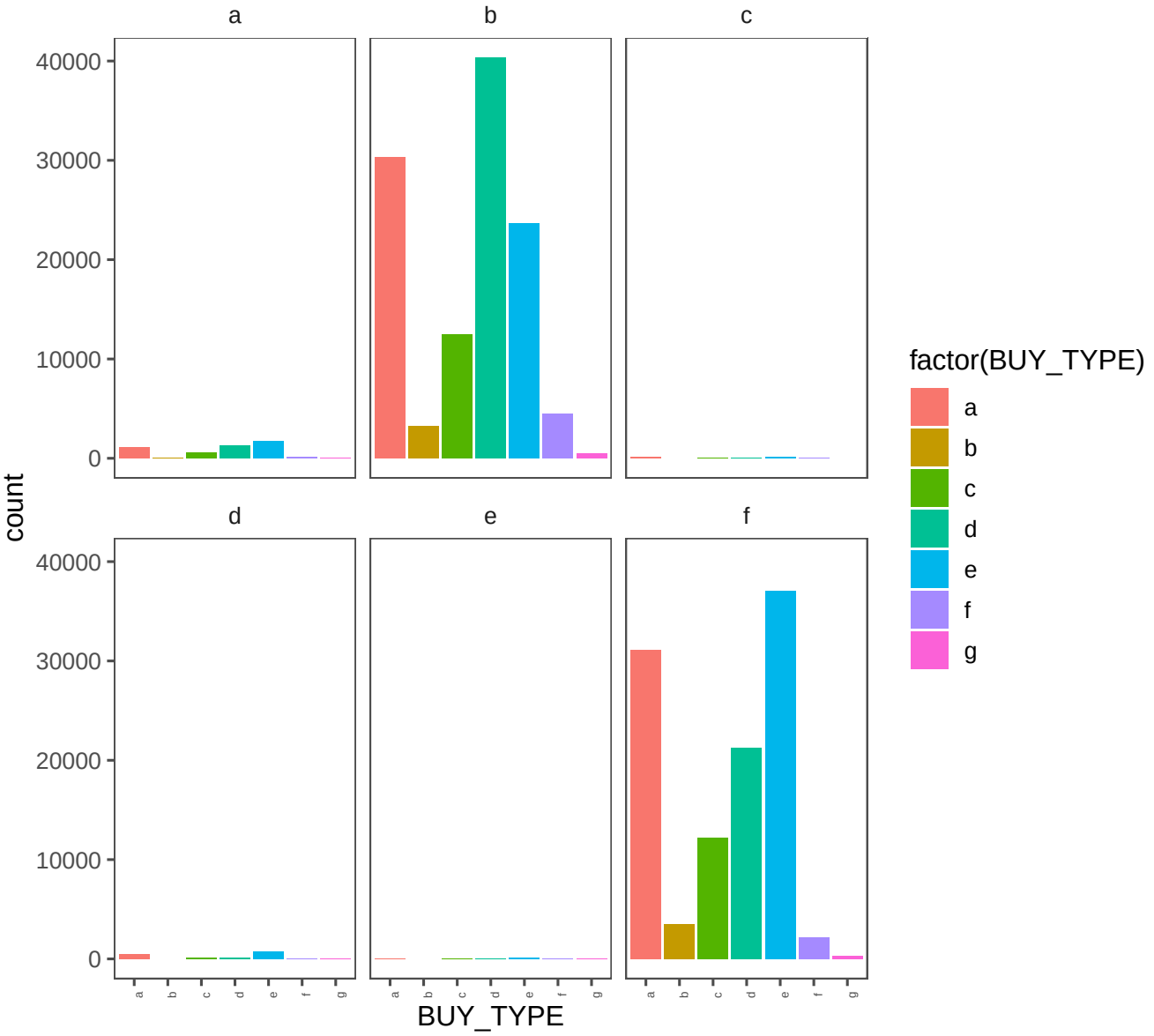


MARRIAGE
−Groupby BUY_TYPE,
Fixed Y

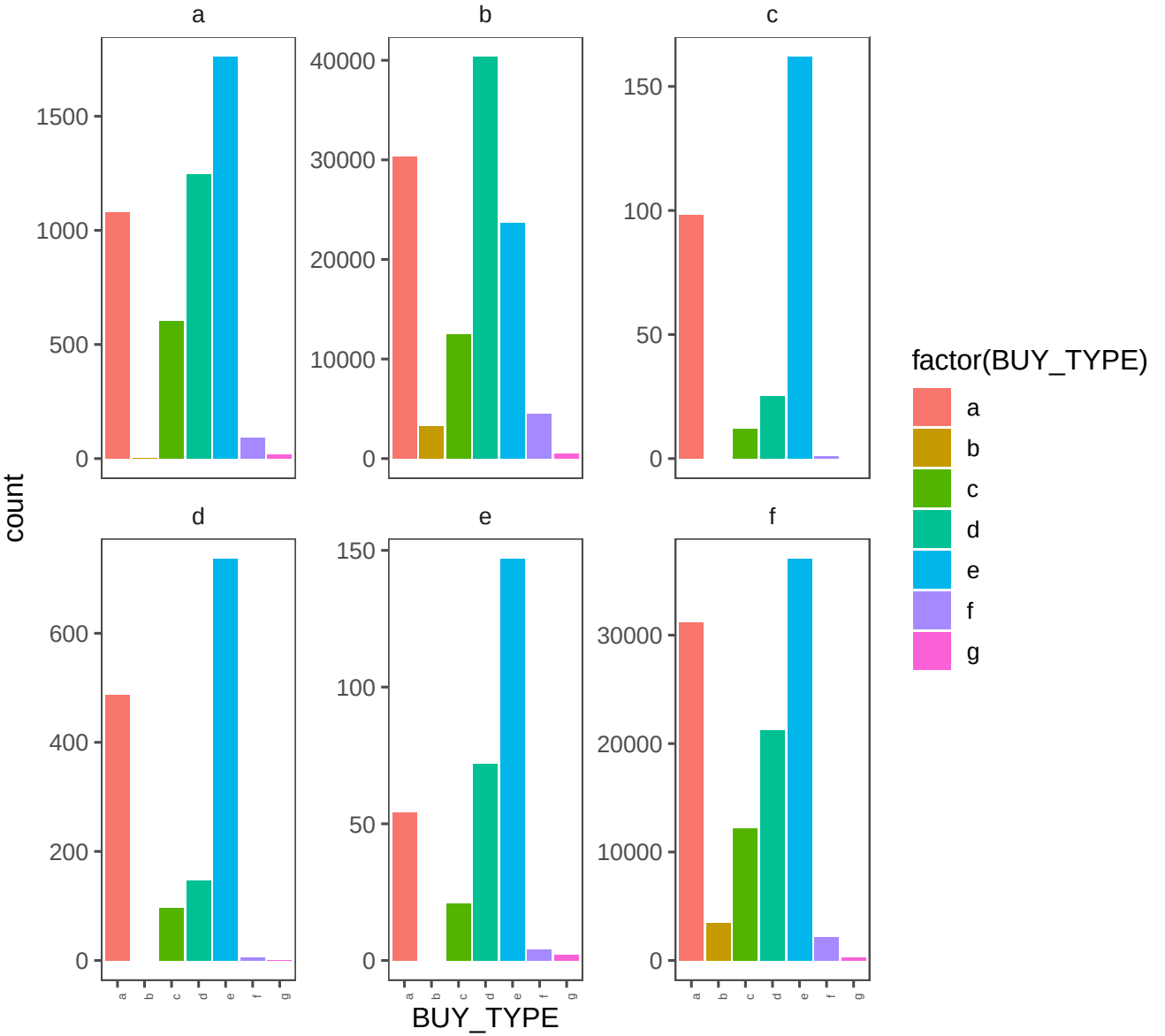


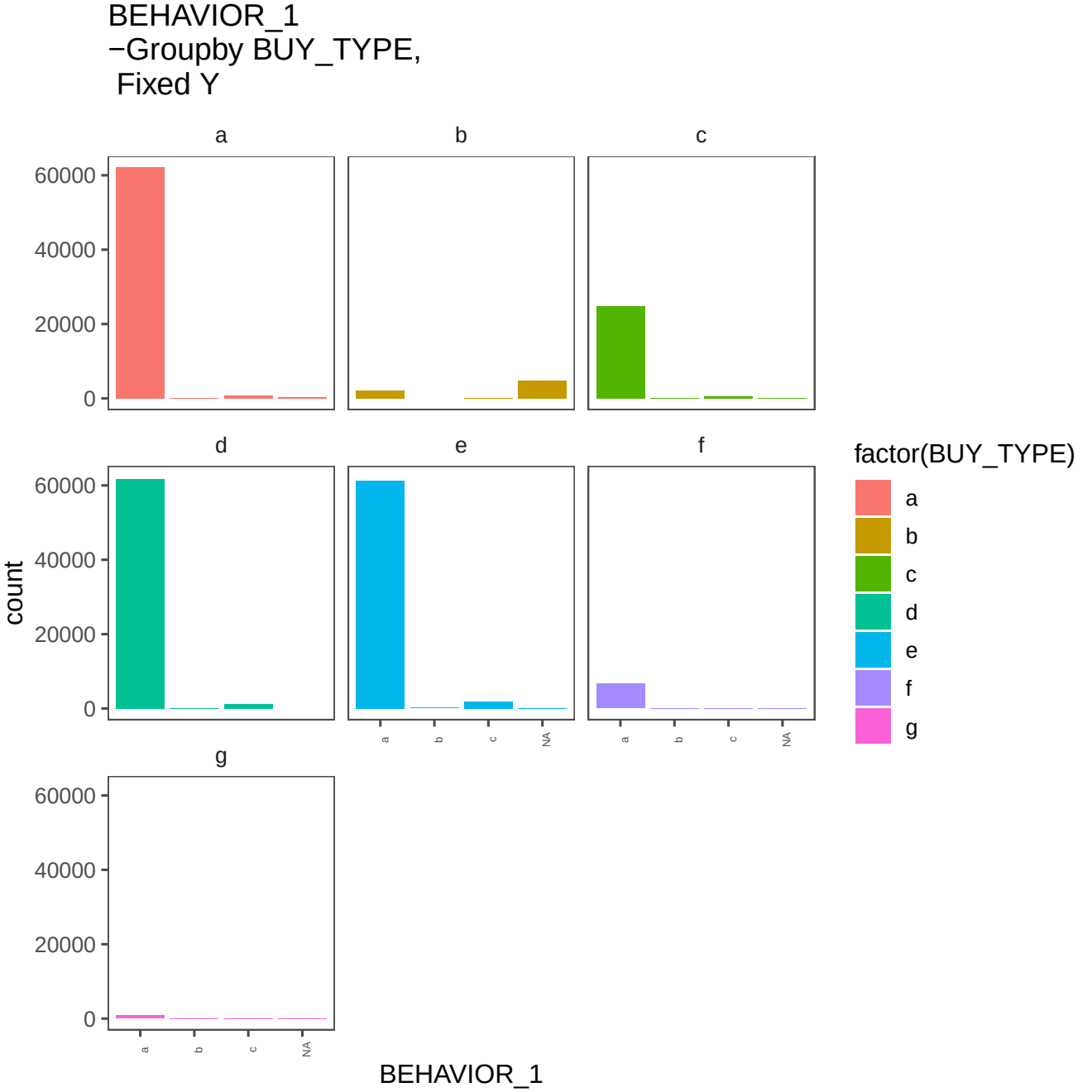

MARRIAGE
−Groupby BUY_TYPE,
Relative Y
a
b
c
d
e
f
g
count
MARRIAGE
factor(BUY_TYPE)
a
b
c
d
e
f
g

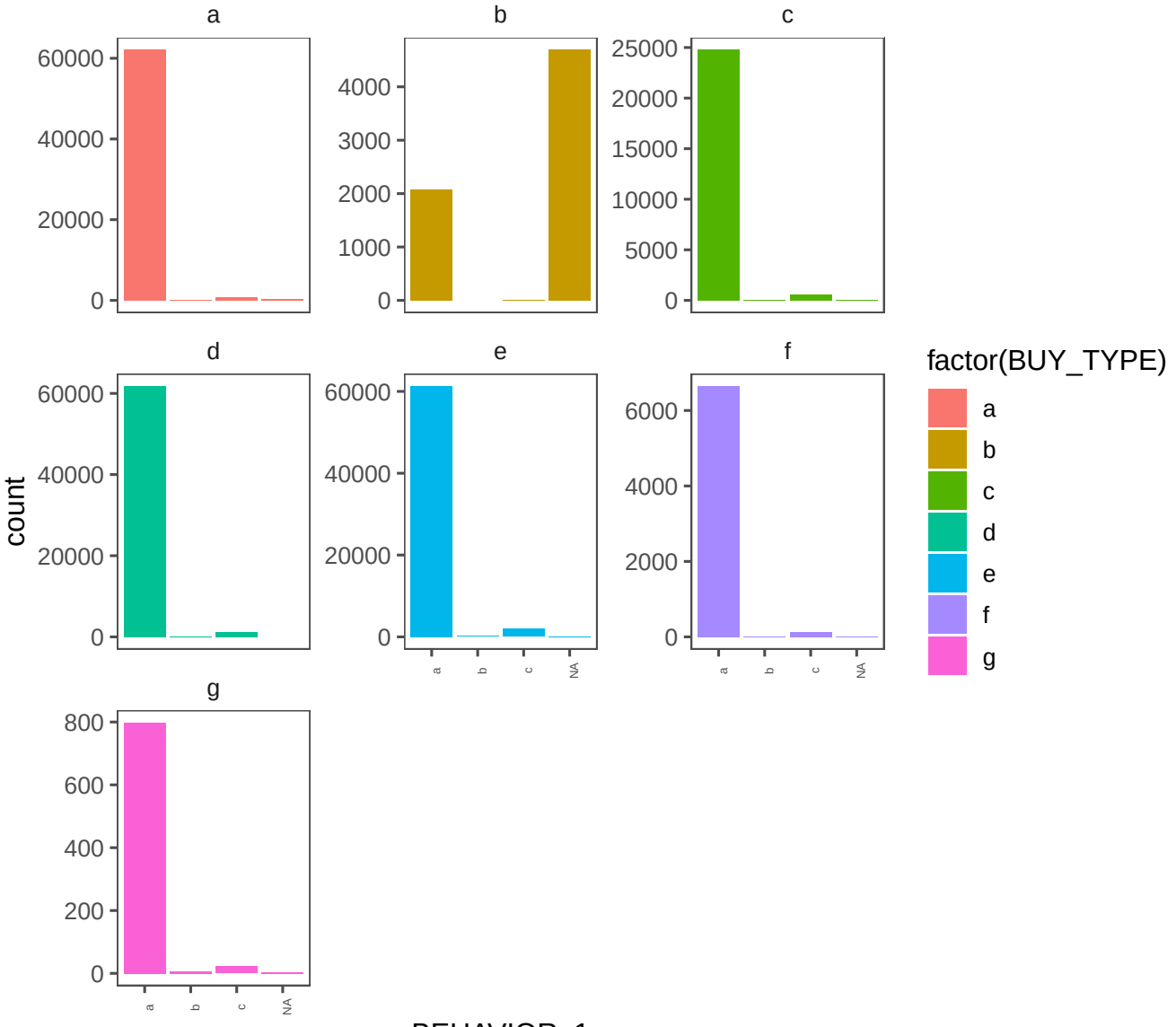
MARRIAGE
−Groupby MARRIAGE ,
Fixed Y

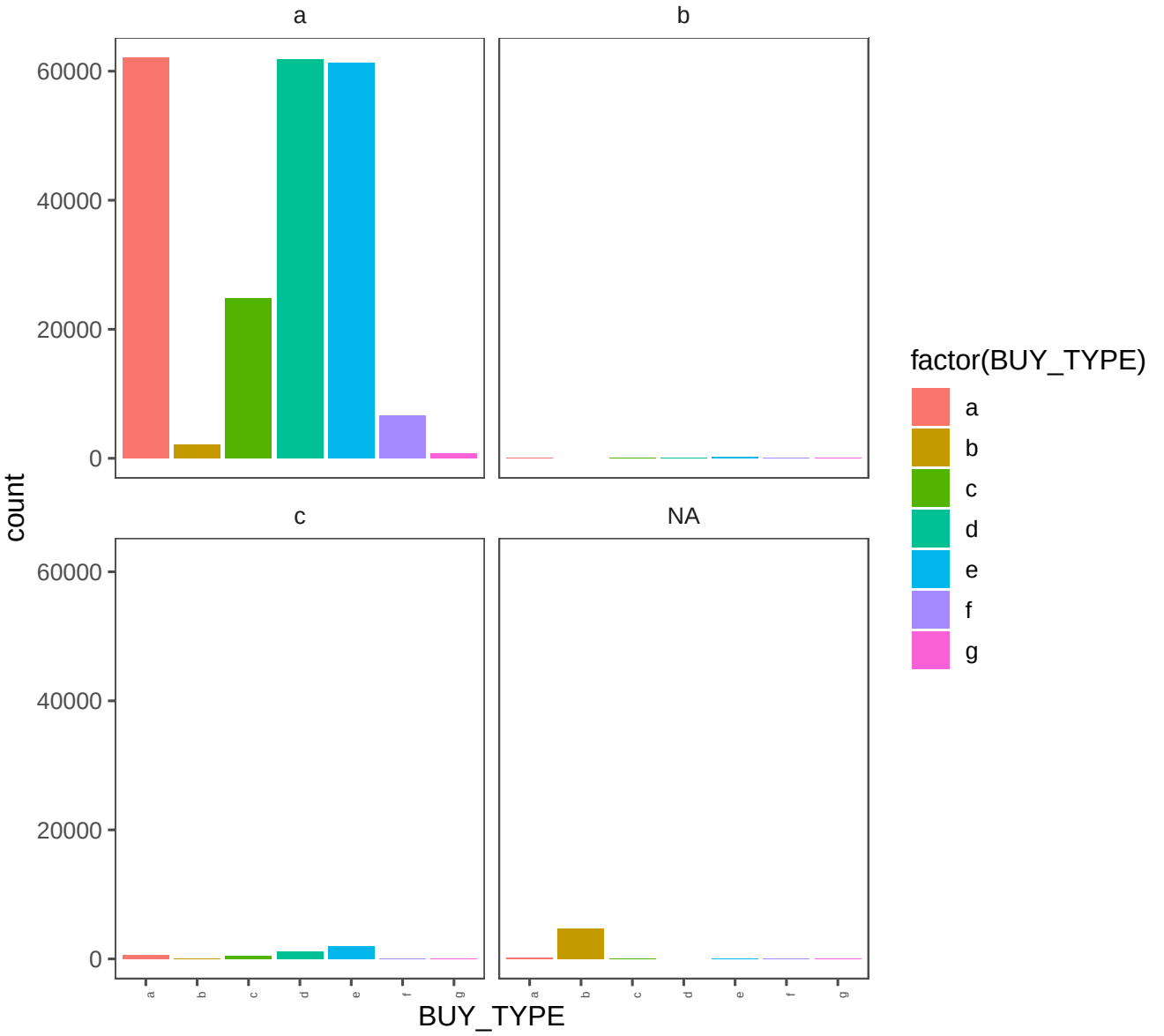


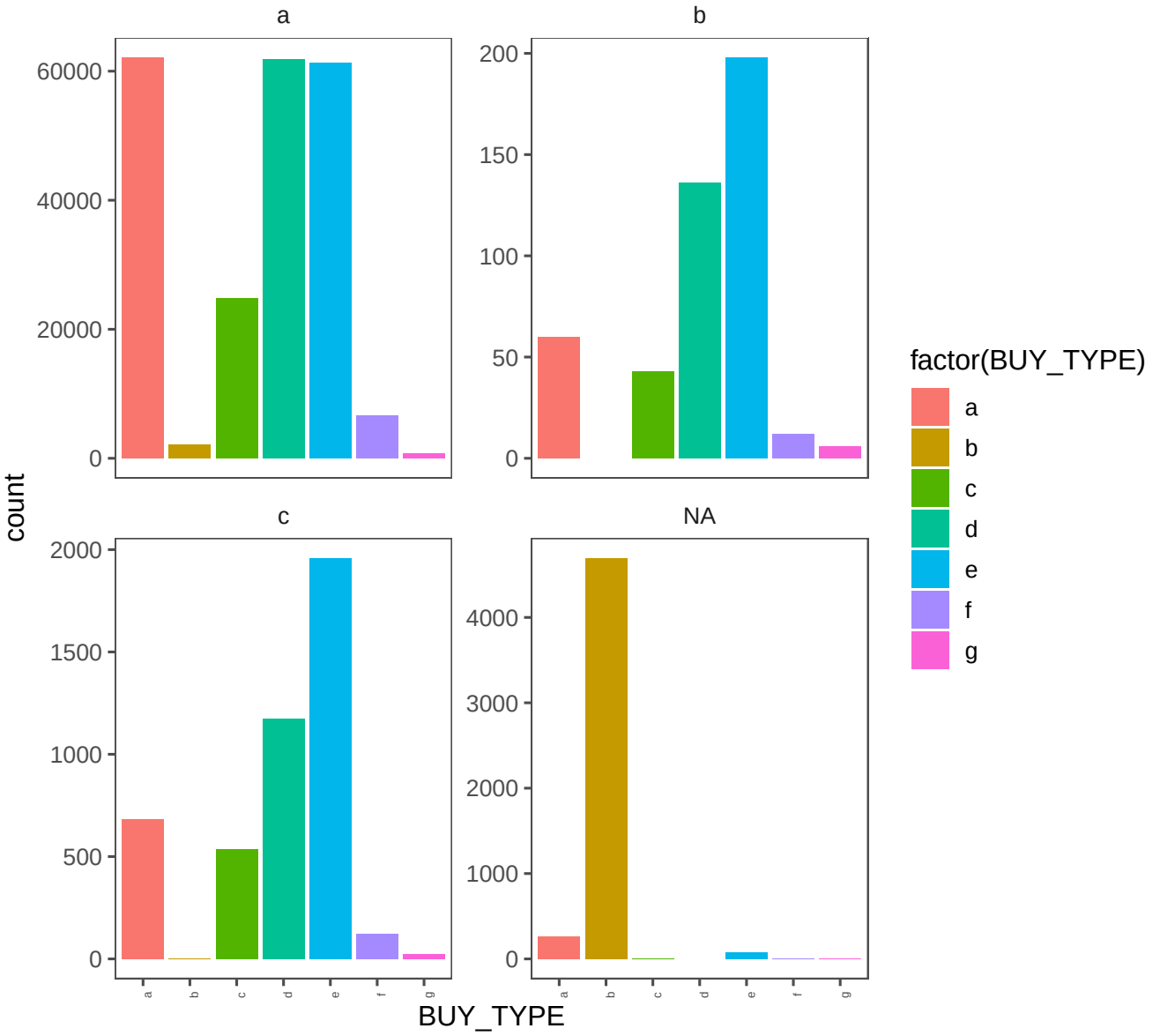
MARRIAGE
−Groupby MARRIAGE ,
Relative Y

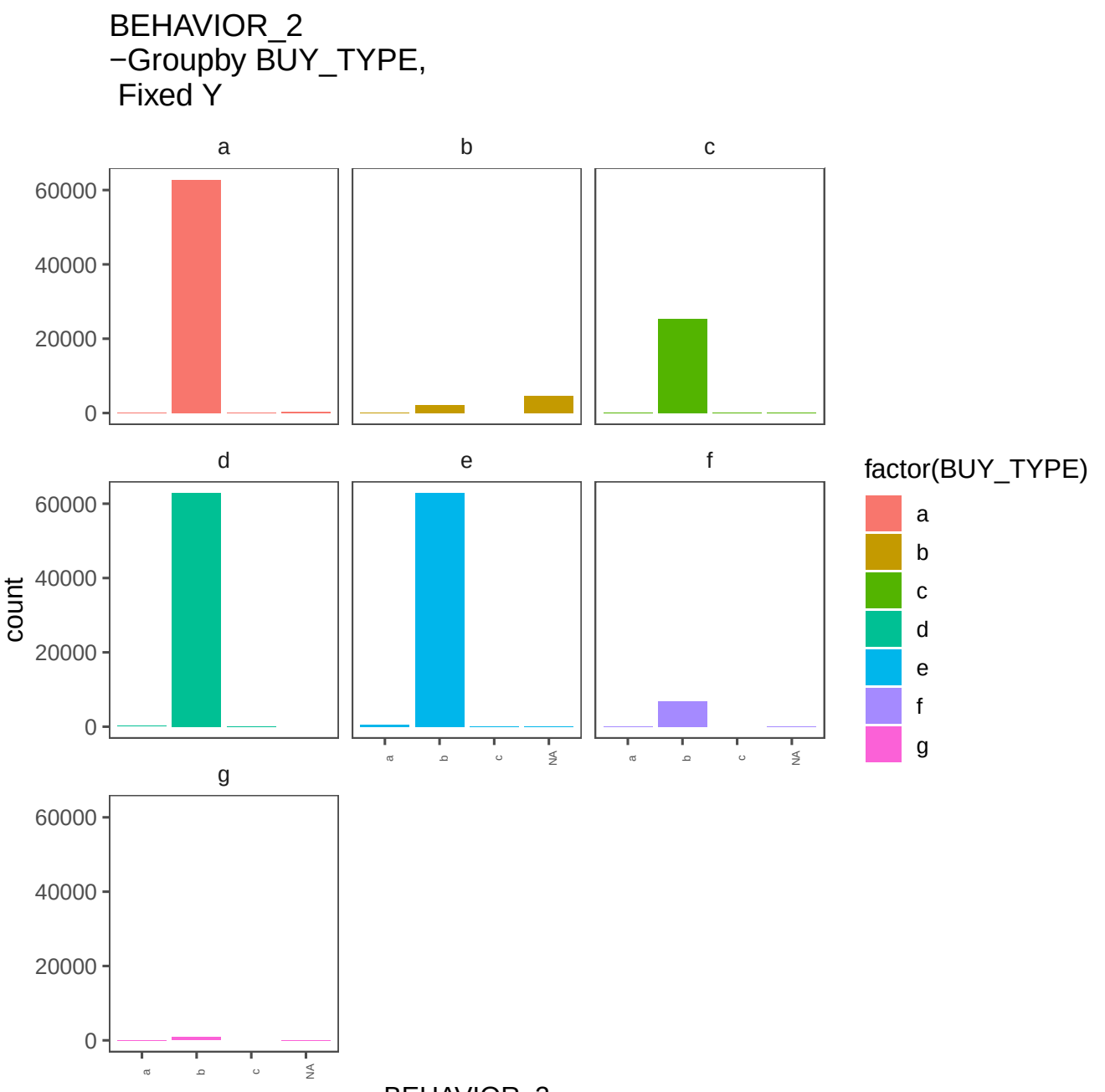


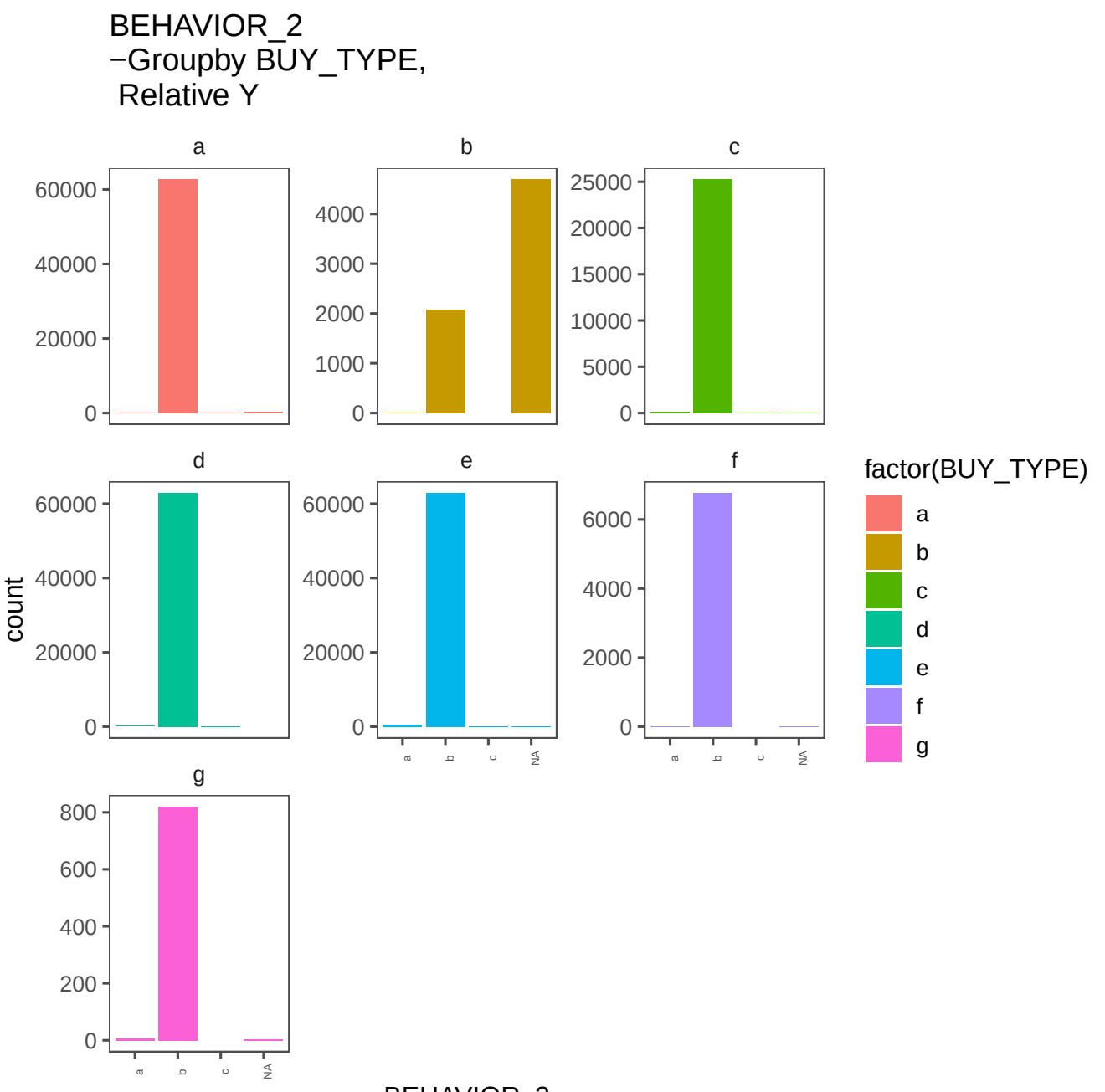

BEHAVIOR_1
−Groupby BUY_TYPE,
Fixed Y
a
b
c
d
e
f
g
60000
40000
20000
0
count
a
b
c
NA
BEHAVIOR_1
factor(BUY_TYPE)
a
b
c
d
e
f
g

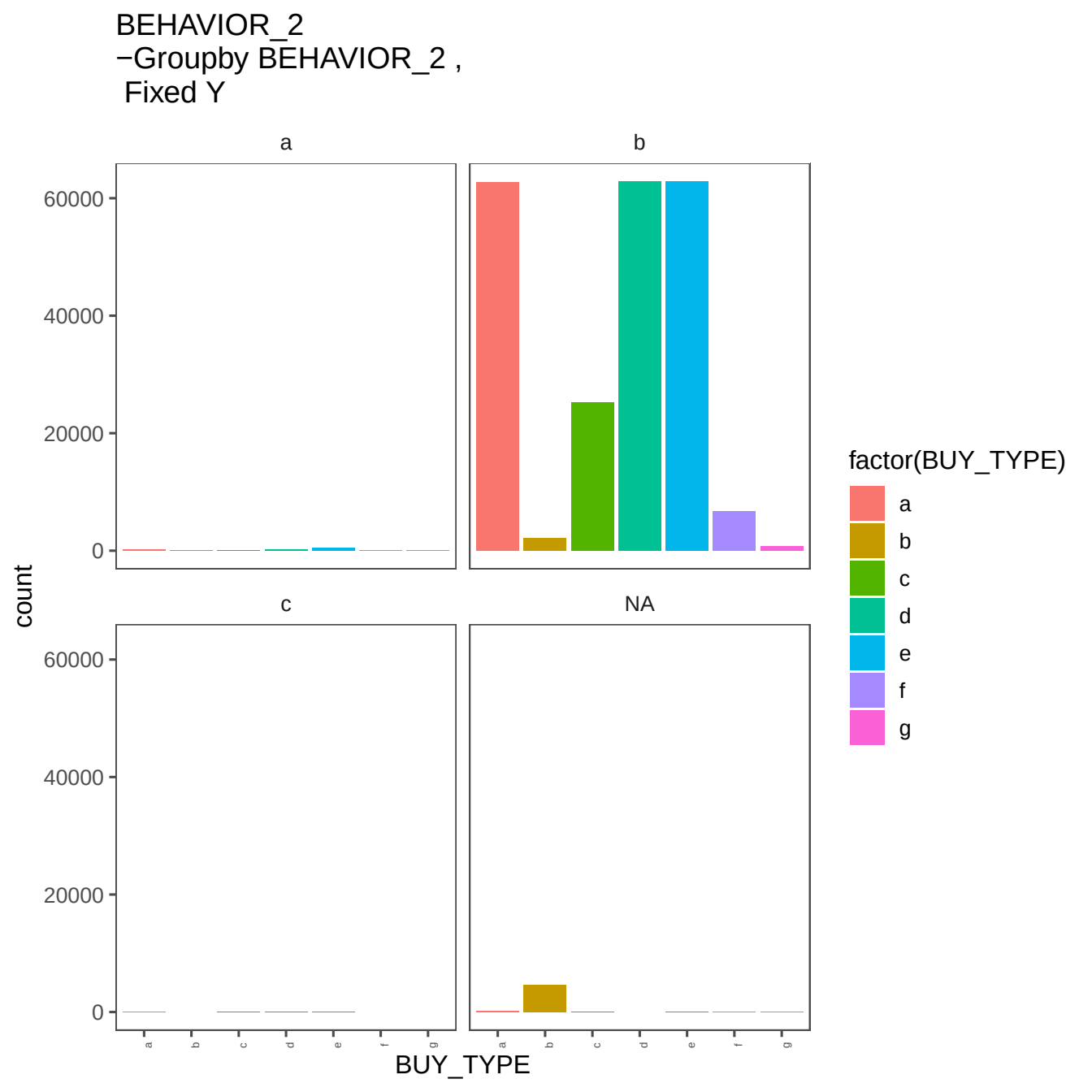

BEHAVIOR_1
−Groupby BUY_TYPE,
Relative Y
a
b
c
d
e
f
g
count
BEHAVIOR_1
factor(BUY_TYPE)
a
b
c
d
e
f
g
NA


BEHAVIOR_1
−Groupby BEHAVIOR_1 ,
Fixed Y
a
b
c
NA
60000
40000
20000
0
count
a
b
c
d
e
f
g
BUY_TYPE
factor(BUY_TYPE)

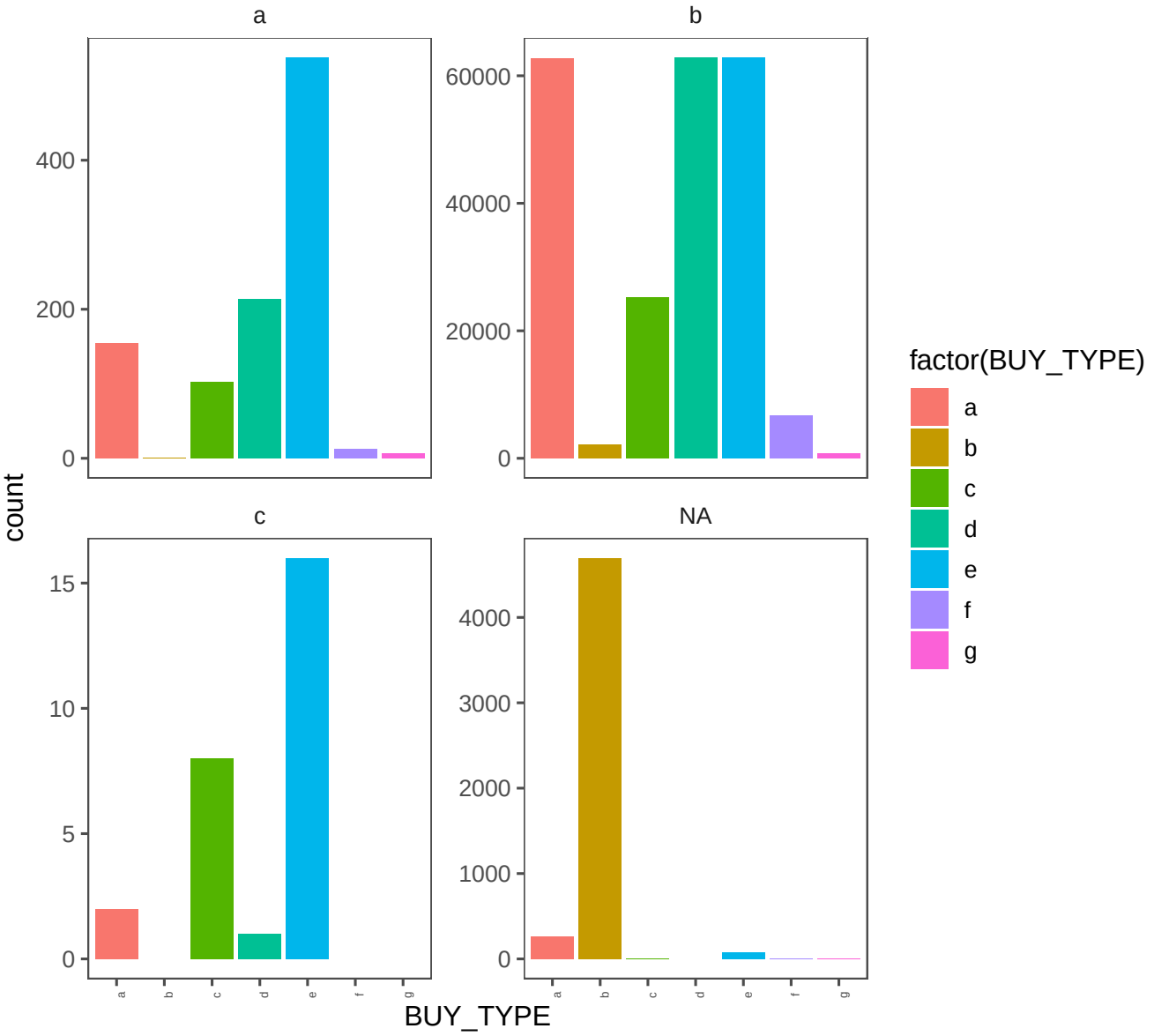

BEHAVIOR_1
−Groupby BEHAVIOR_1 ,
Relative Y
a
b
c
NA
count
BUY_TYPE
factor(BUY_TYPE)
a
b
c
d
e
f
g

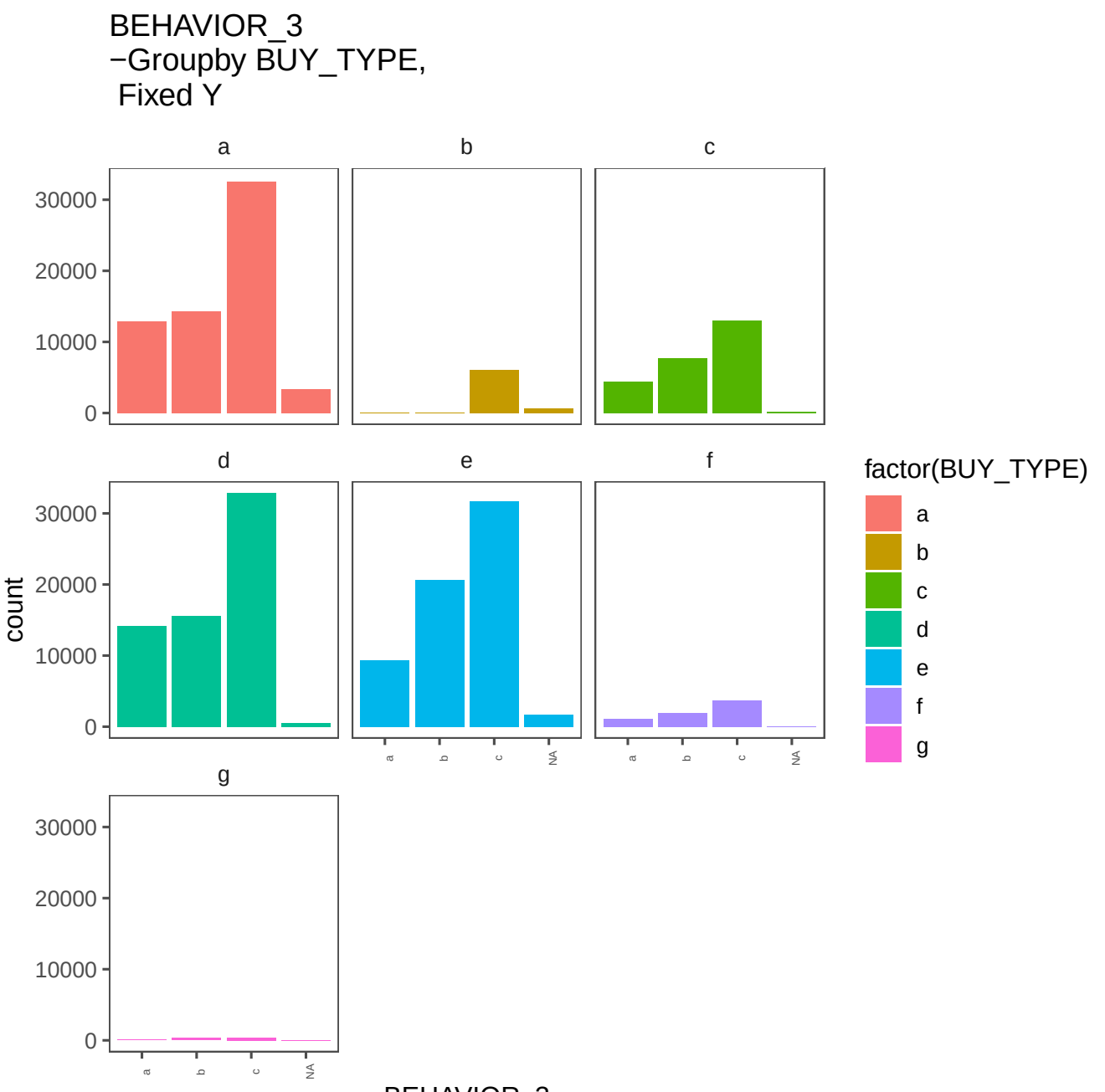

BEHAVIOR_2
−Groupby BUY_TYPE,
Fixed Y
a
b
c
d
e
f
g
60000
40000
20000
0
count
a
b
c
NA
BEHAVIOR_2
factor(BUY_TYPE)
a
b
c
d
e
f
g

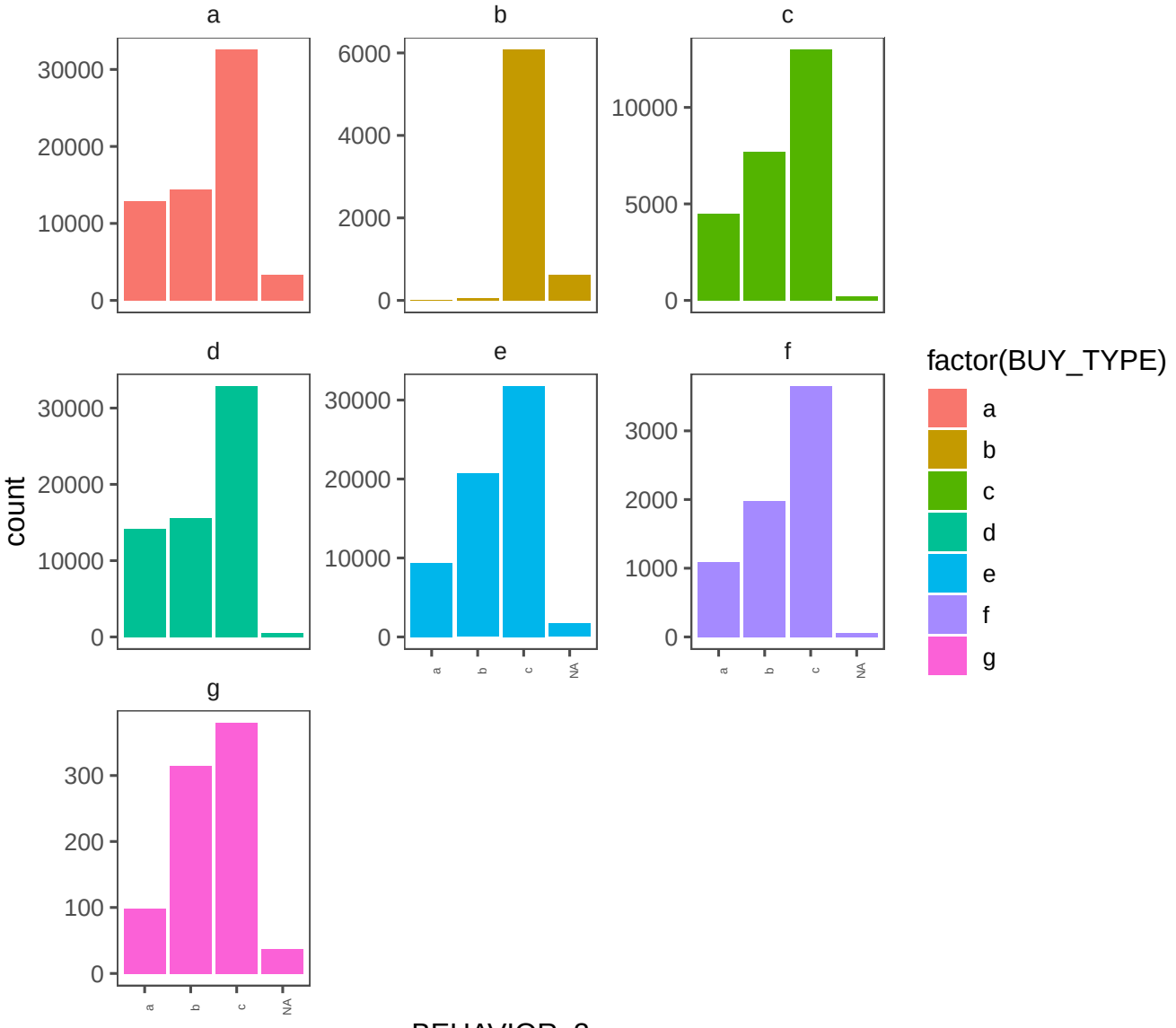

BEHAVIOR_2
−Groupby BUY_TYPE,
Relative Y
a
b
c
d
e
f
g
count
BEHAVIOR_2
factor(BUY_TYPE)
a
b
c
d
e
f
g


BEHAVIOR_2
−Groupby BEHAVIOR_2 ,
Fixed Y
a
b
c
NA
60000
40000
20000
0
count
a
b
c
d
e
f
g
BUY_TYPE
factor(BUY_TYPE)

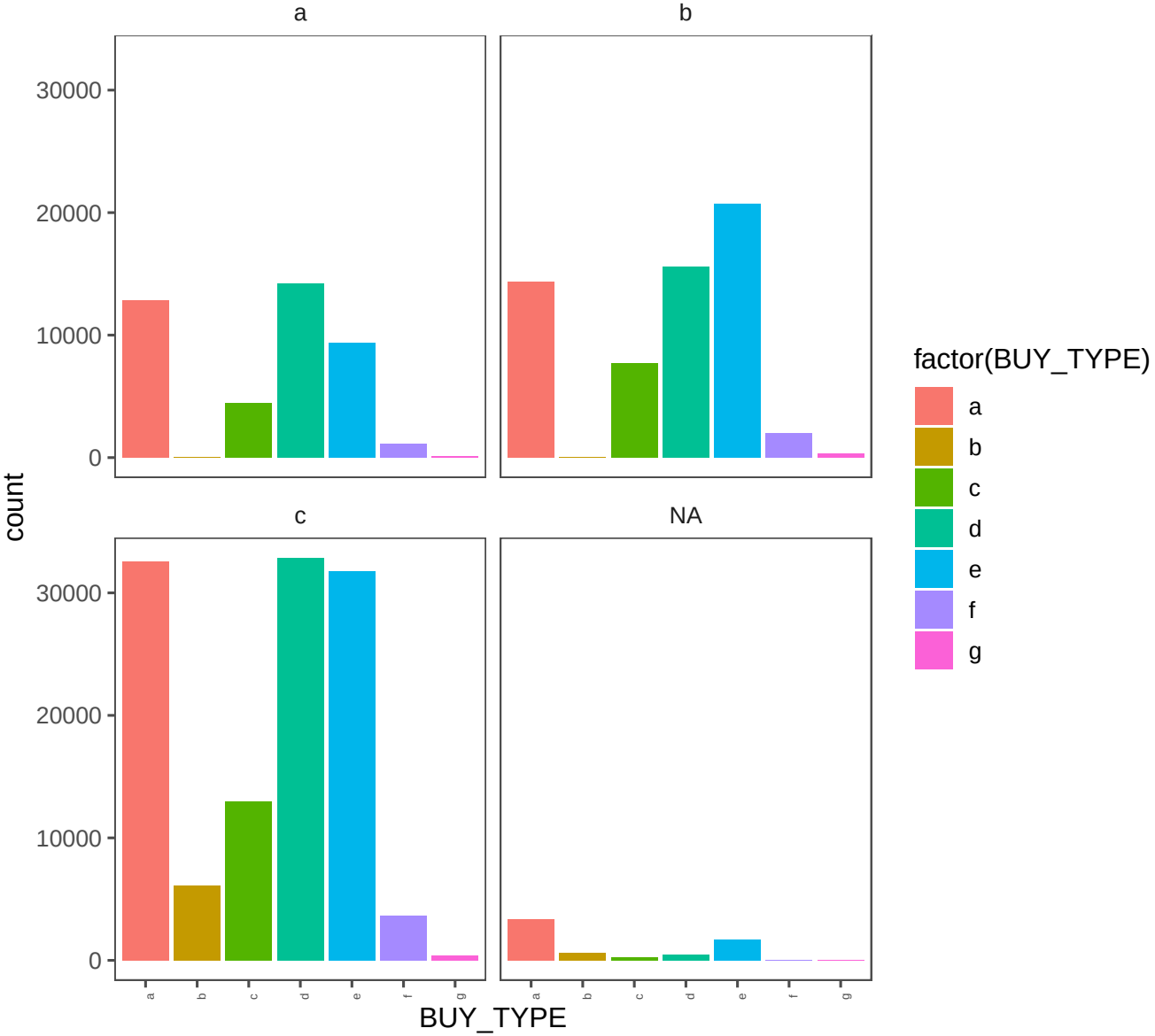
BEHAVIOR_2
−Groupby BEHAVIOR_2 ,
Relative Y

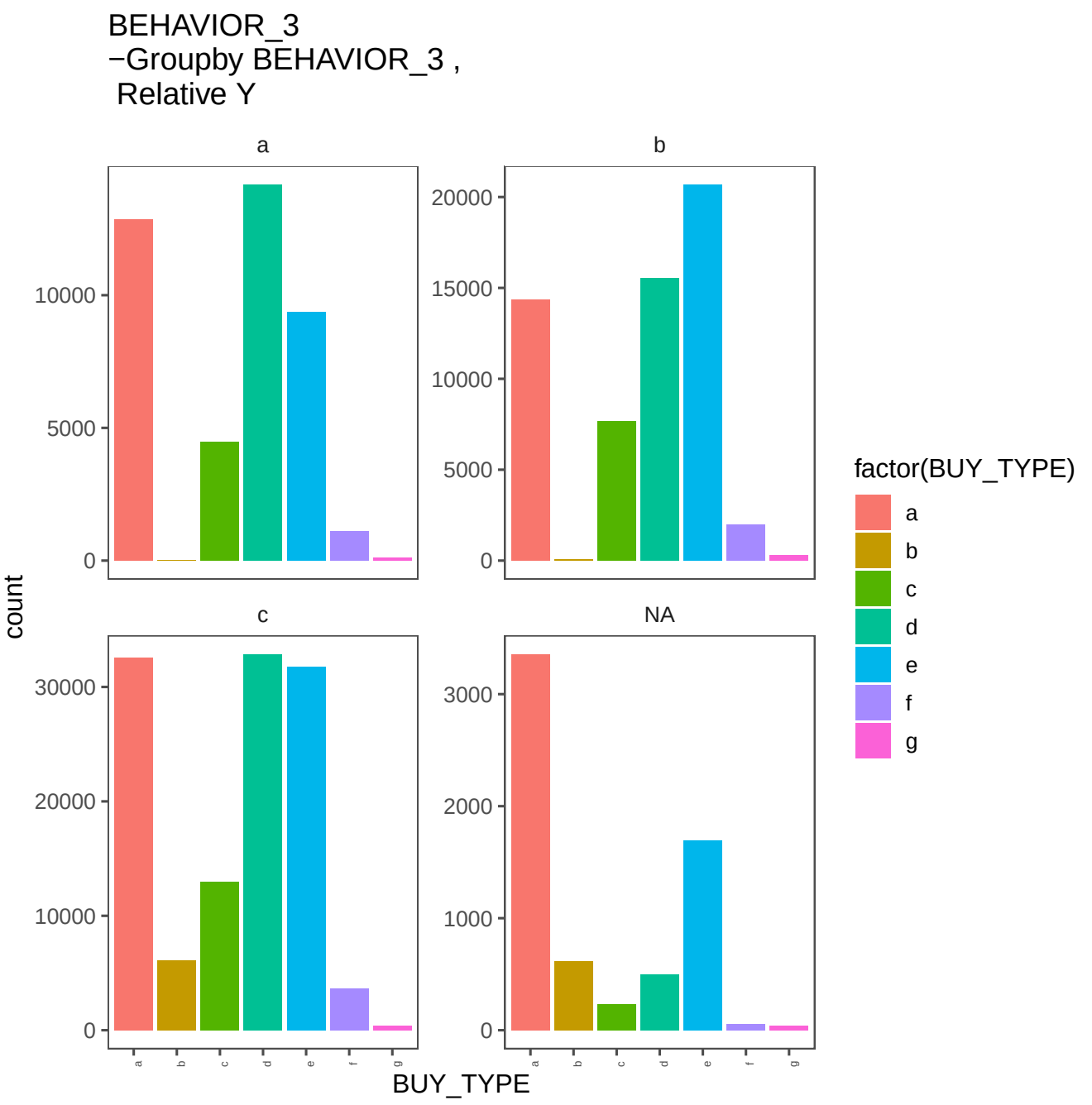


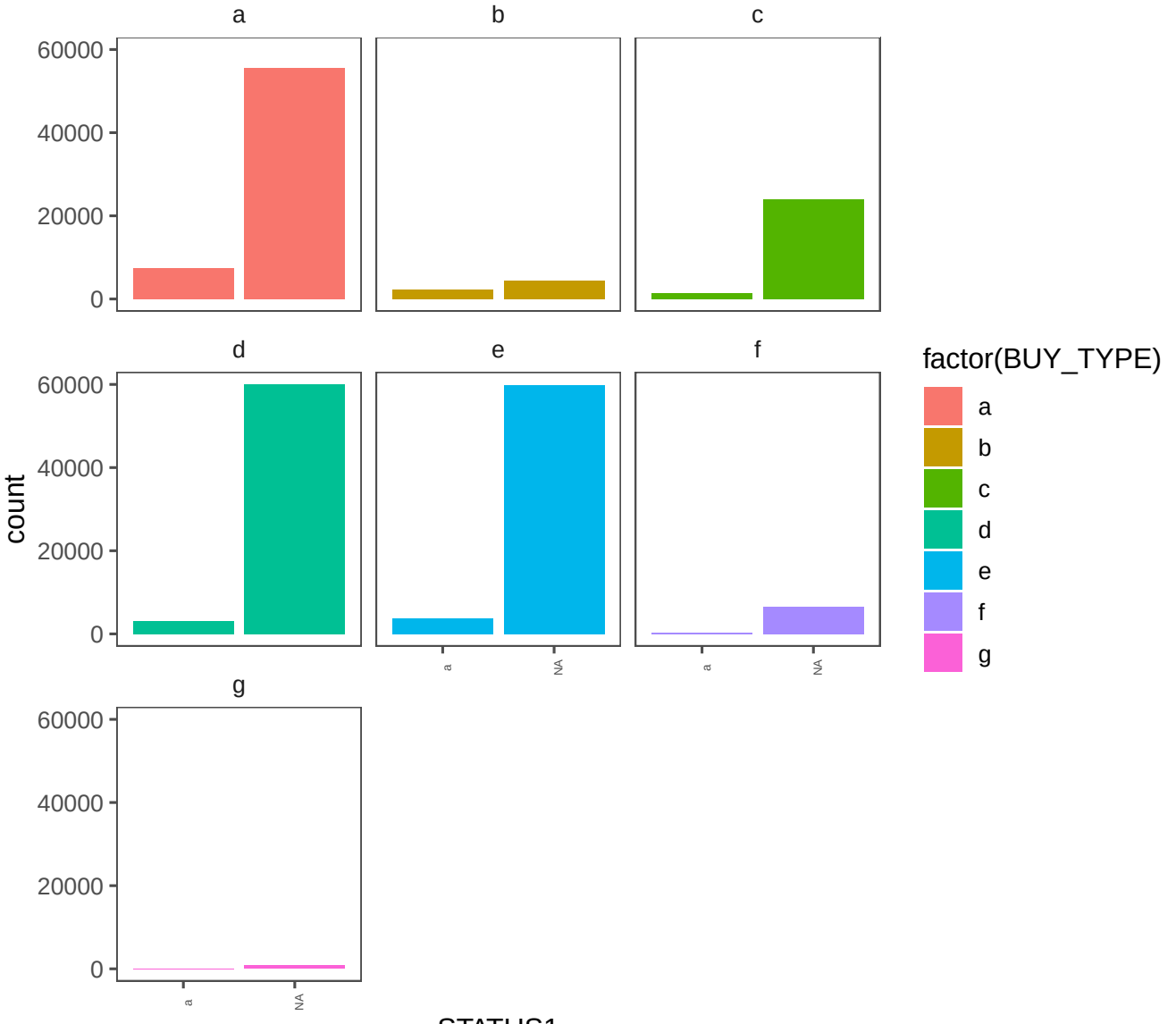

BEHAVIOR_3
−Groupby BUY_TYPE,
Fixed Y
a
b
c
d
e
f
g
30000
20000
10000
0
count
a
b
c
NA
BEHAVIOR_3
factor(BUY_TYPE)
a
b
c
d
e
f
g

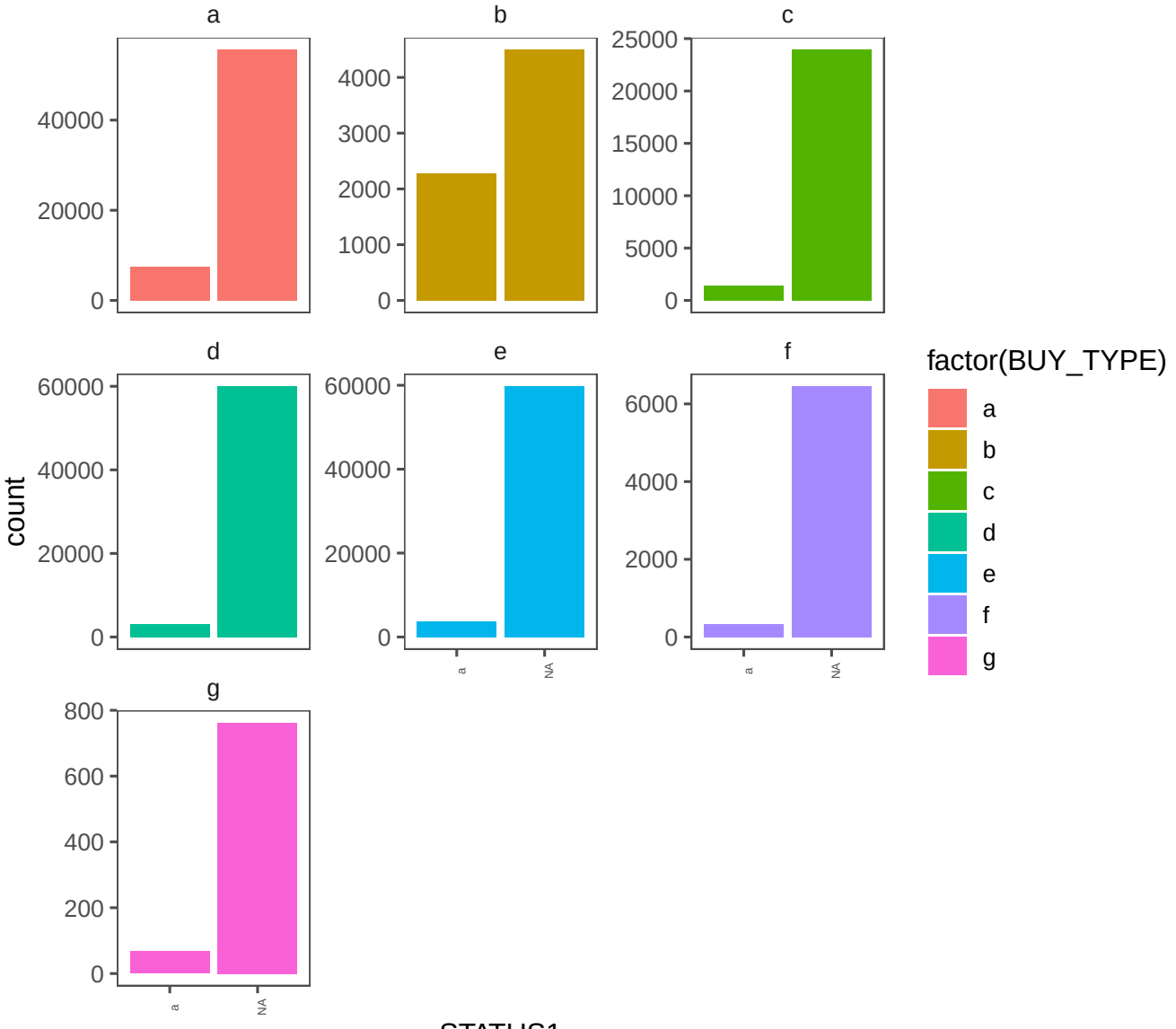

BEHAVIOR_3
−Groupby BUY_TYPE,
Relative Y
a
b
c
d
e
f
g
count
BEHAVIOR_3
factor(BUY_TYPE)
a
b
c
d
e
f
g
NA

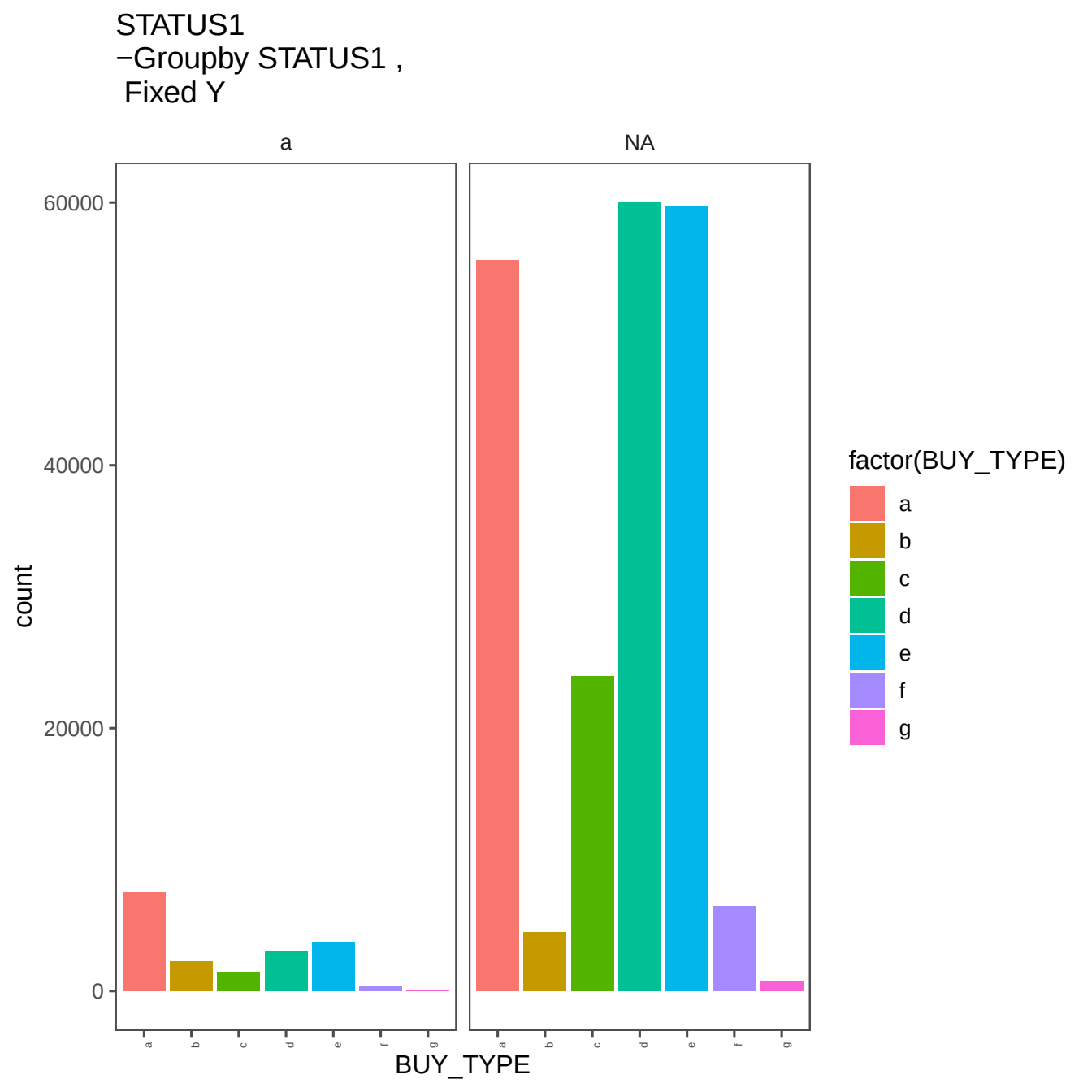
BEHAVIOR_3
−Groupby BEHAVIOR_3 ,
Fixed Y

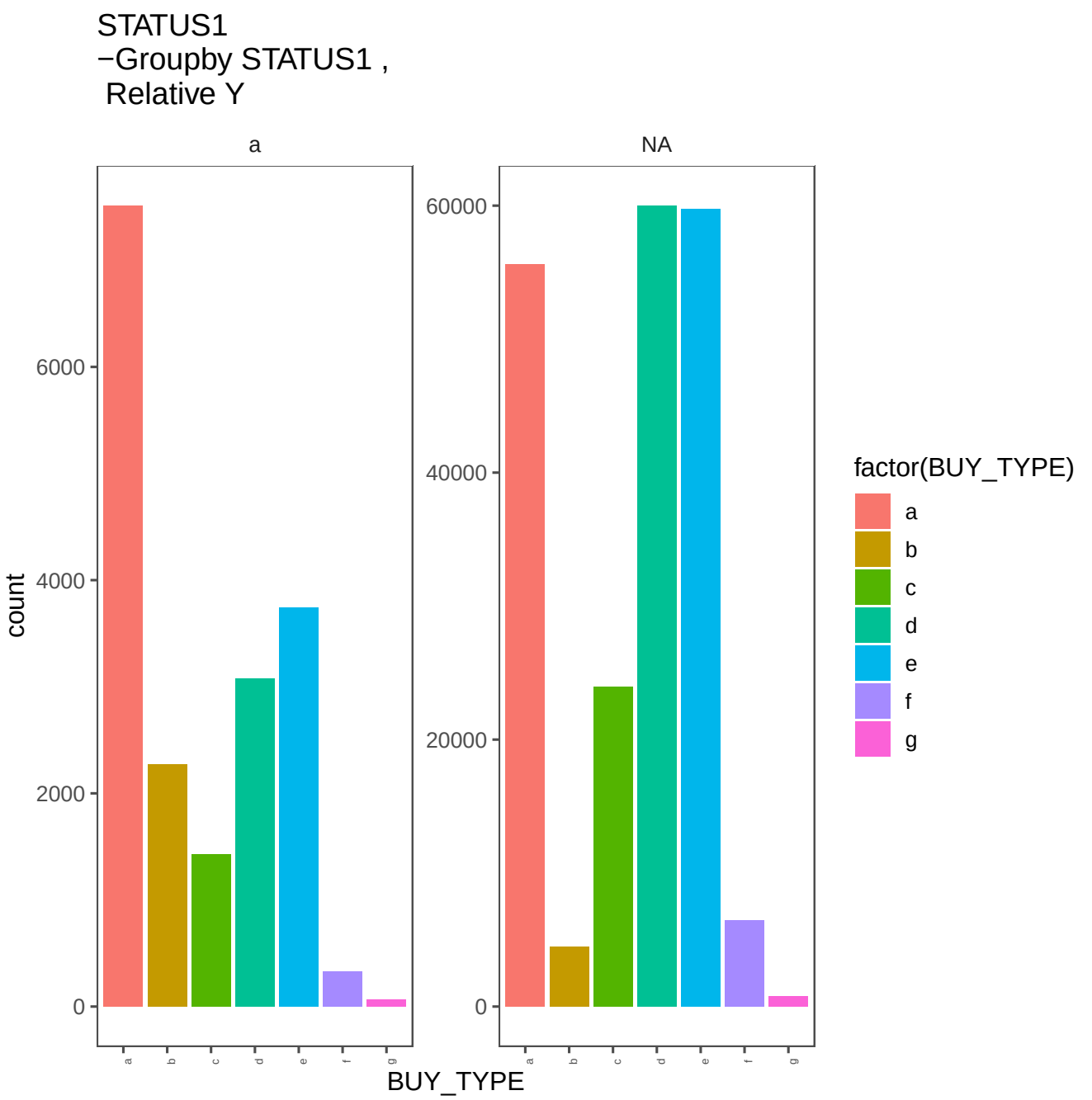



BEHAVIOR_3
−Groupby BEHAVIOR_3 ,
Relative Y
a
b
c
NA
count
BUY_TYPE
factor(BUY_TYPE)
a
b
c
d
e
f
g

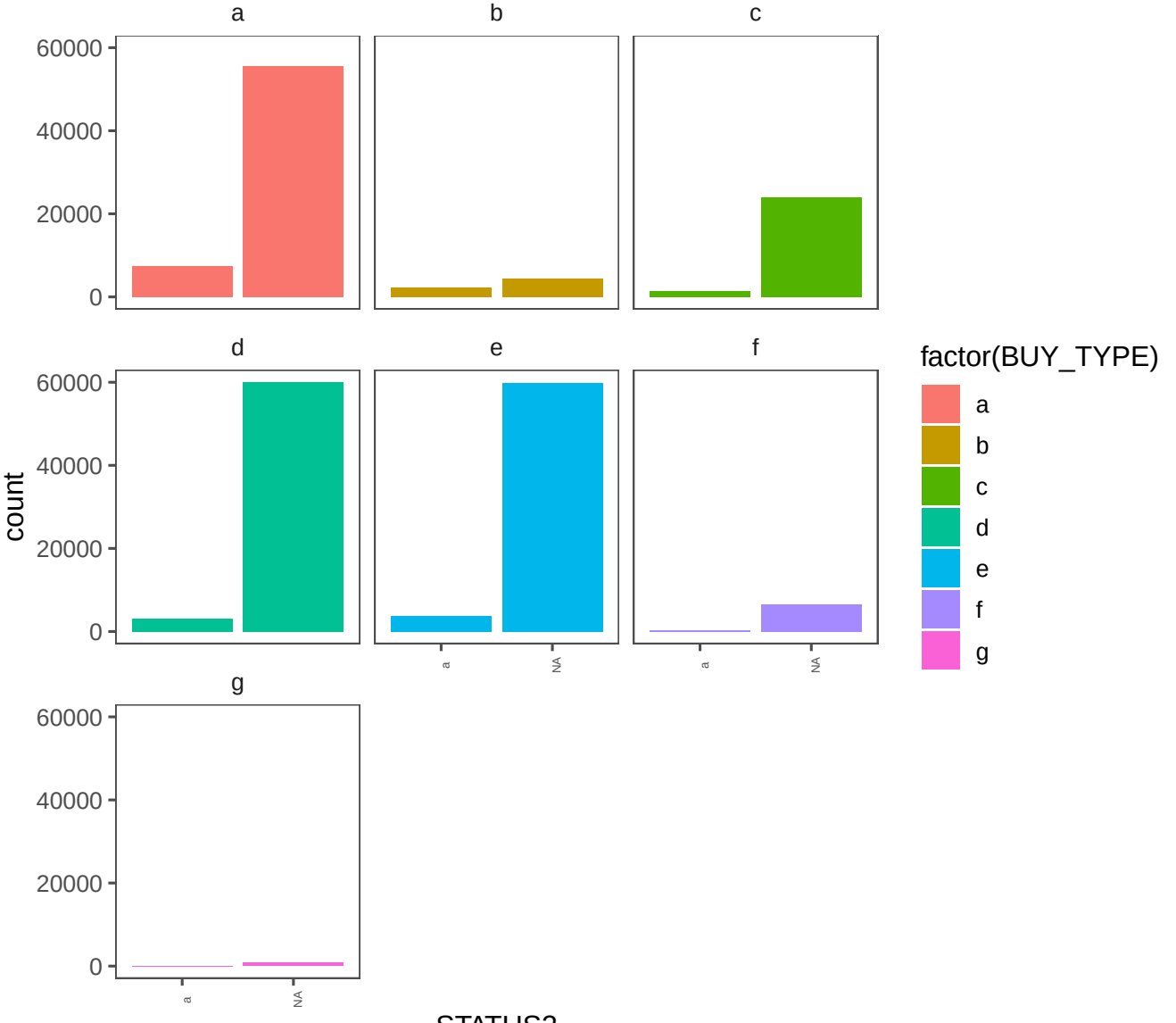

STATUS1
−Groupby BUY_TYPE,
Fixed Y
a
b
c
d
e
f
g
60000
40000
20000
0
count
a
NA
STATUS1
factor(BUY_TYPE)
a
b
c
d
e
f
g

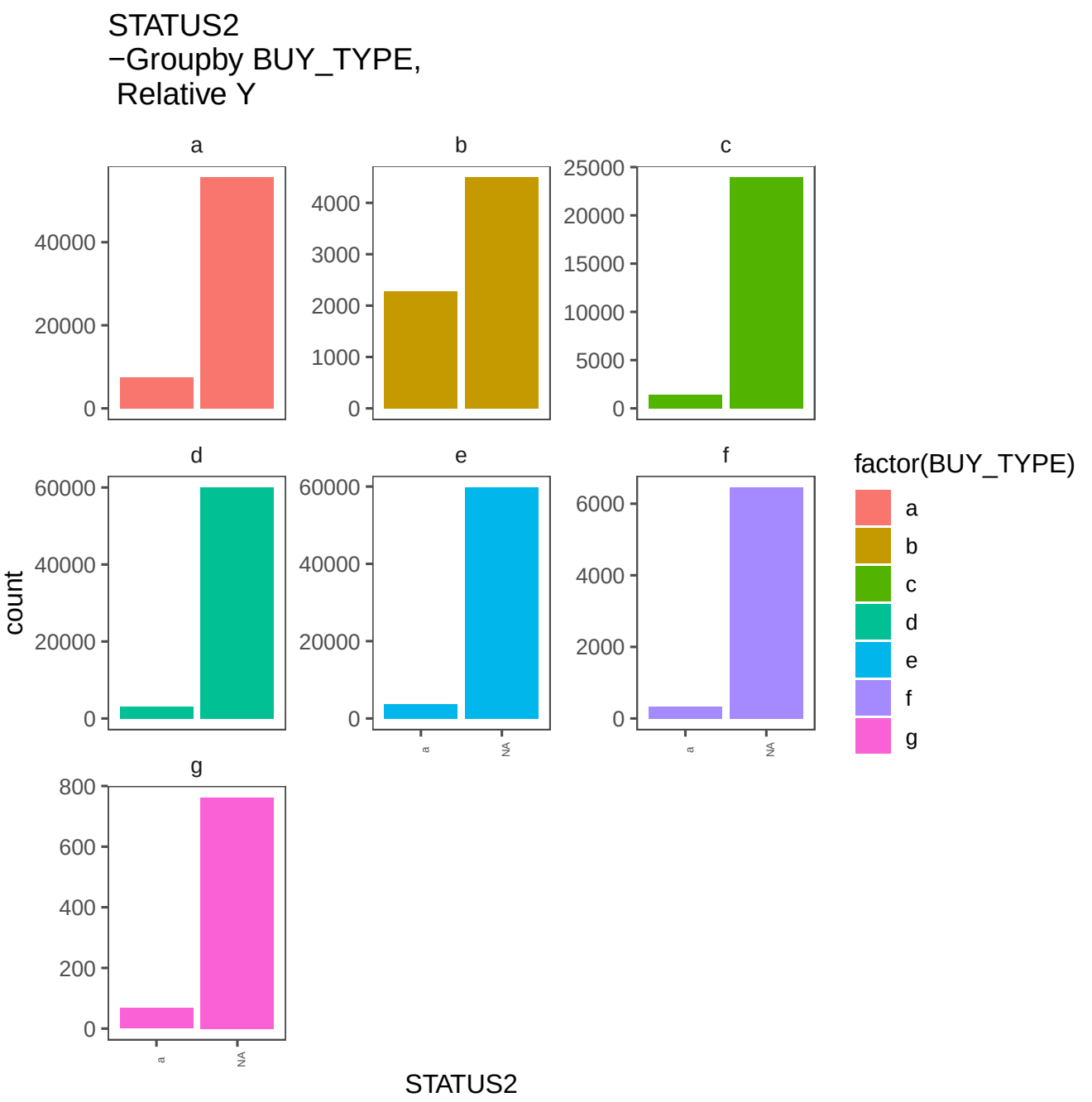

STATUS1
−Groupby BUY_TYPE,
Relative Y
a
b
c
d
e
f
g
count
STATUS1
factor(BUY_TYPE)
a
b
c
d
e
f
g
NA


STATUS1
−Groupby STATUS1 ,
Fixed Y
a
NA
60000
40000
20000
0
count
a
b
c
d
e
f
g
BUY_TYPE
factor(BUY_TYPE)
a
b
c
d
e
f
g

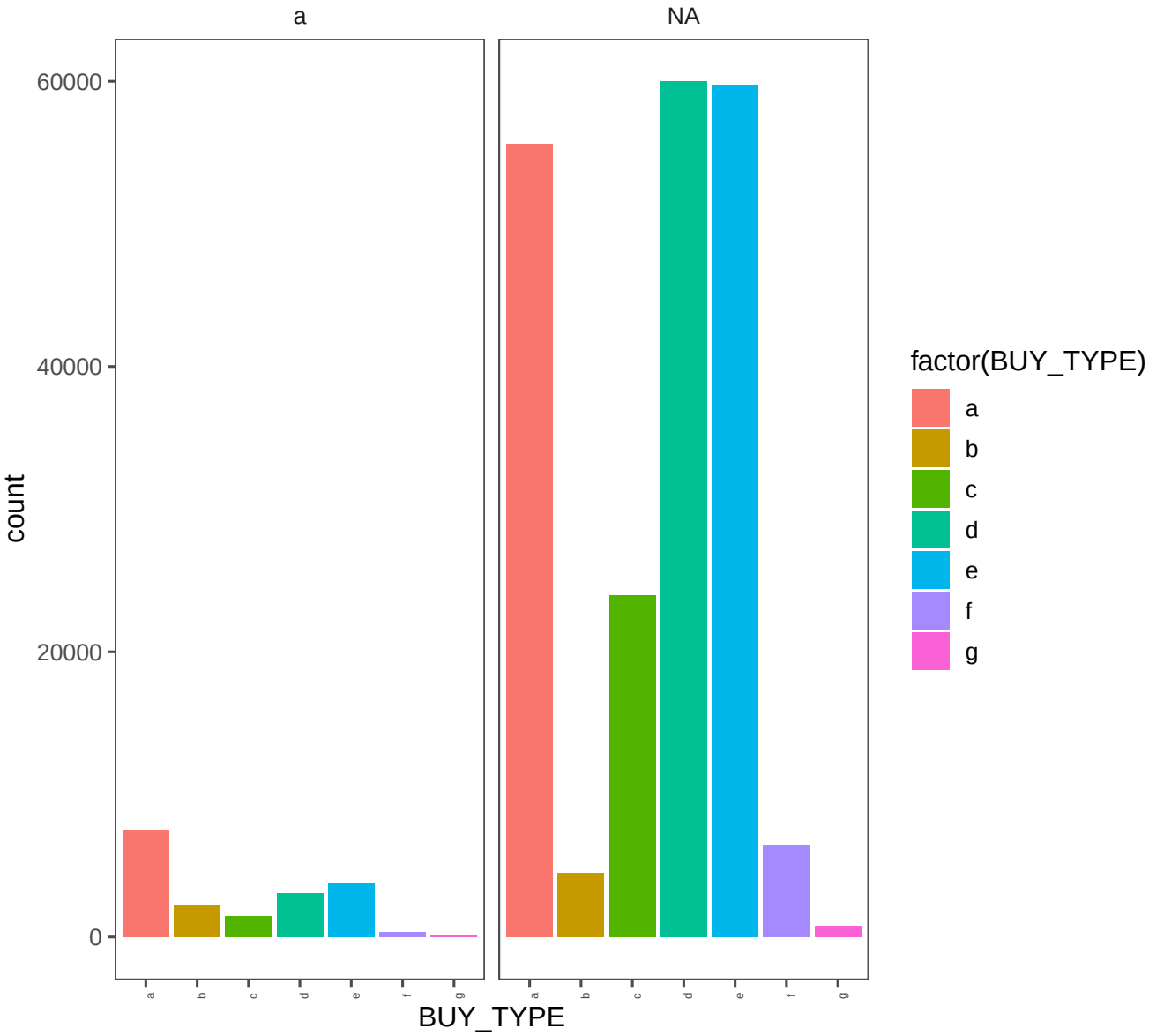

STATUS1
−Groupby STATUS1 ,
Relative Y
a
NA
count
6000
4000
2000
0
60000
40000
20000
0
a
b
c
d
e
f
g
BUY_TYPE
factor(BUY_TYPE)
a
b
c
d
e
f
g

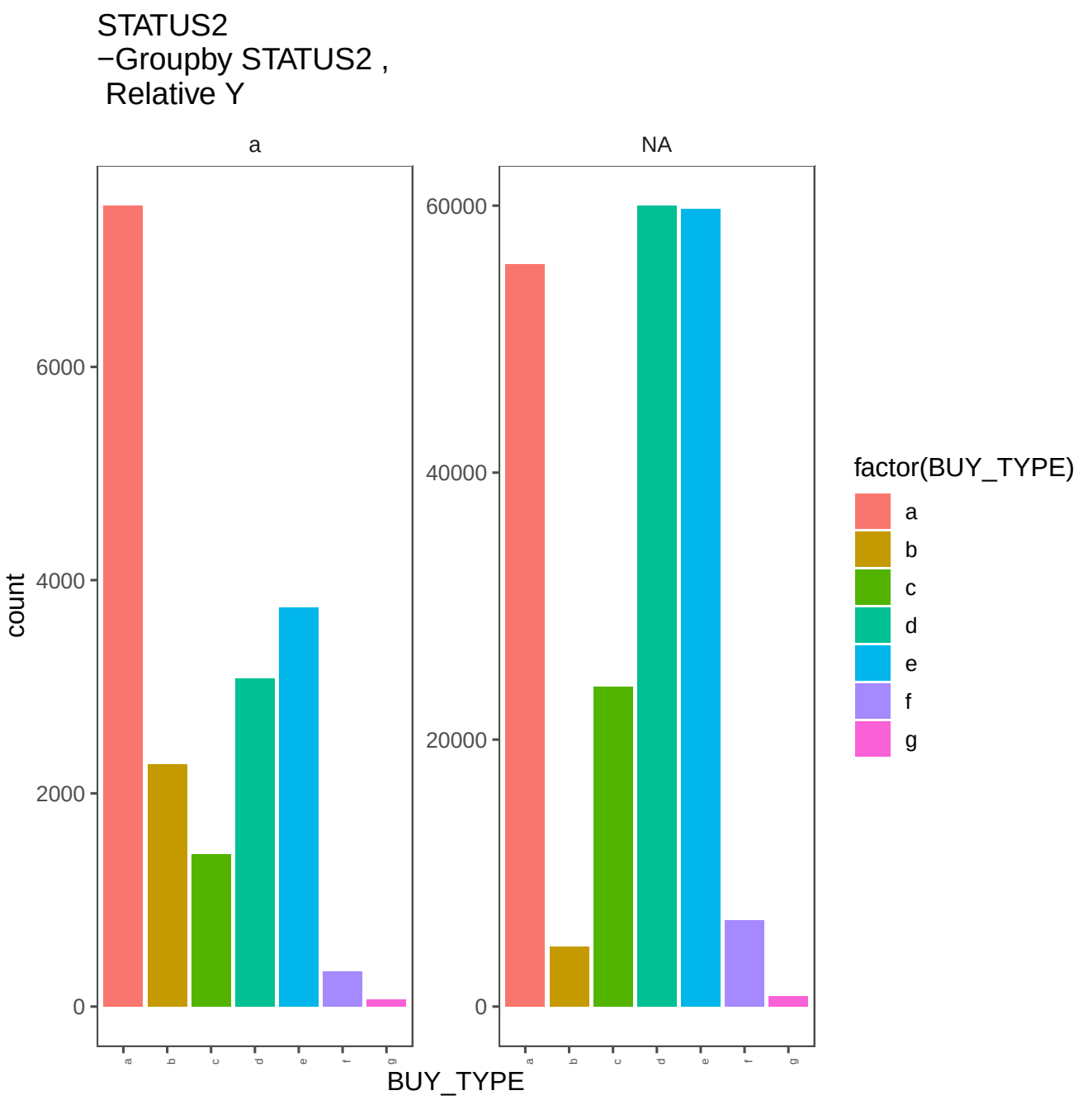
STATUS2
−Groupby BUY_TYPE,
Fixed Y

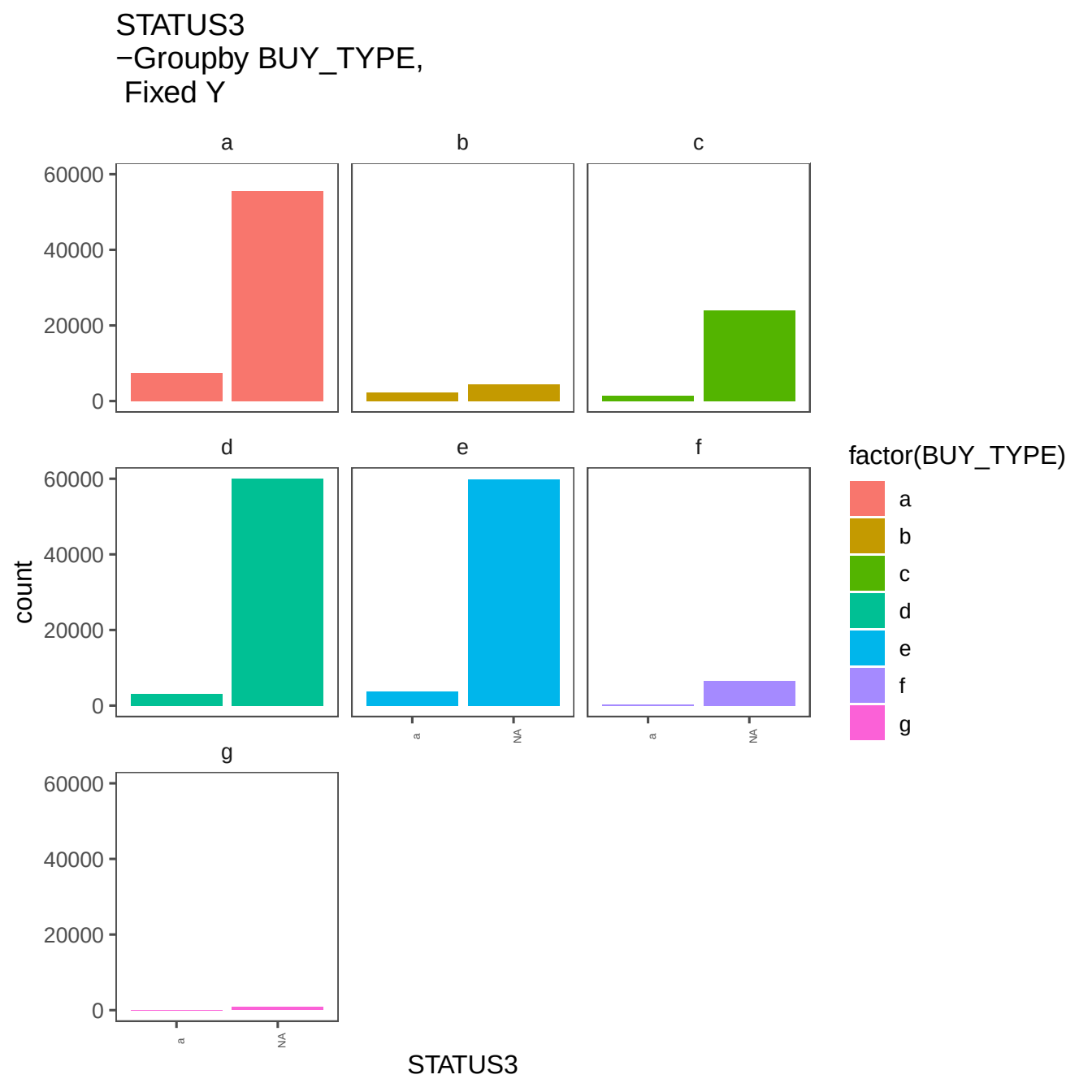



STATUS2
−Groupby BUY_TYPE,
Relative Y
a
b
c
d
e
f
g
count
STATUS2
factor(BUY_TYPE)
a
b
c
d
e
f
g
NA

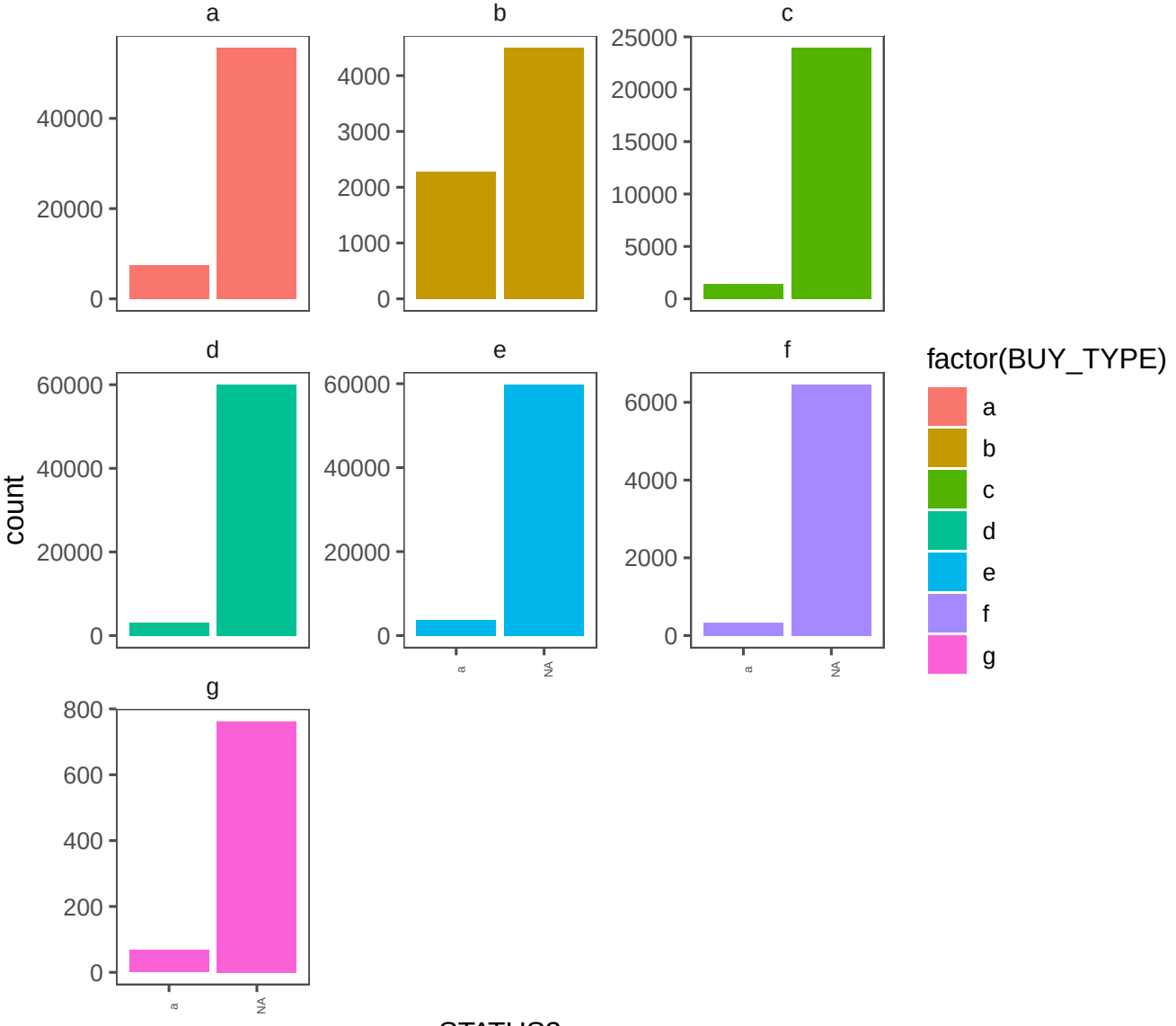
STATUS2
−Groupby STATUS2 ,
Fixed Y



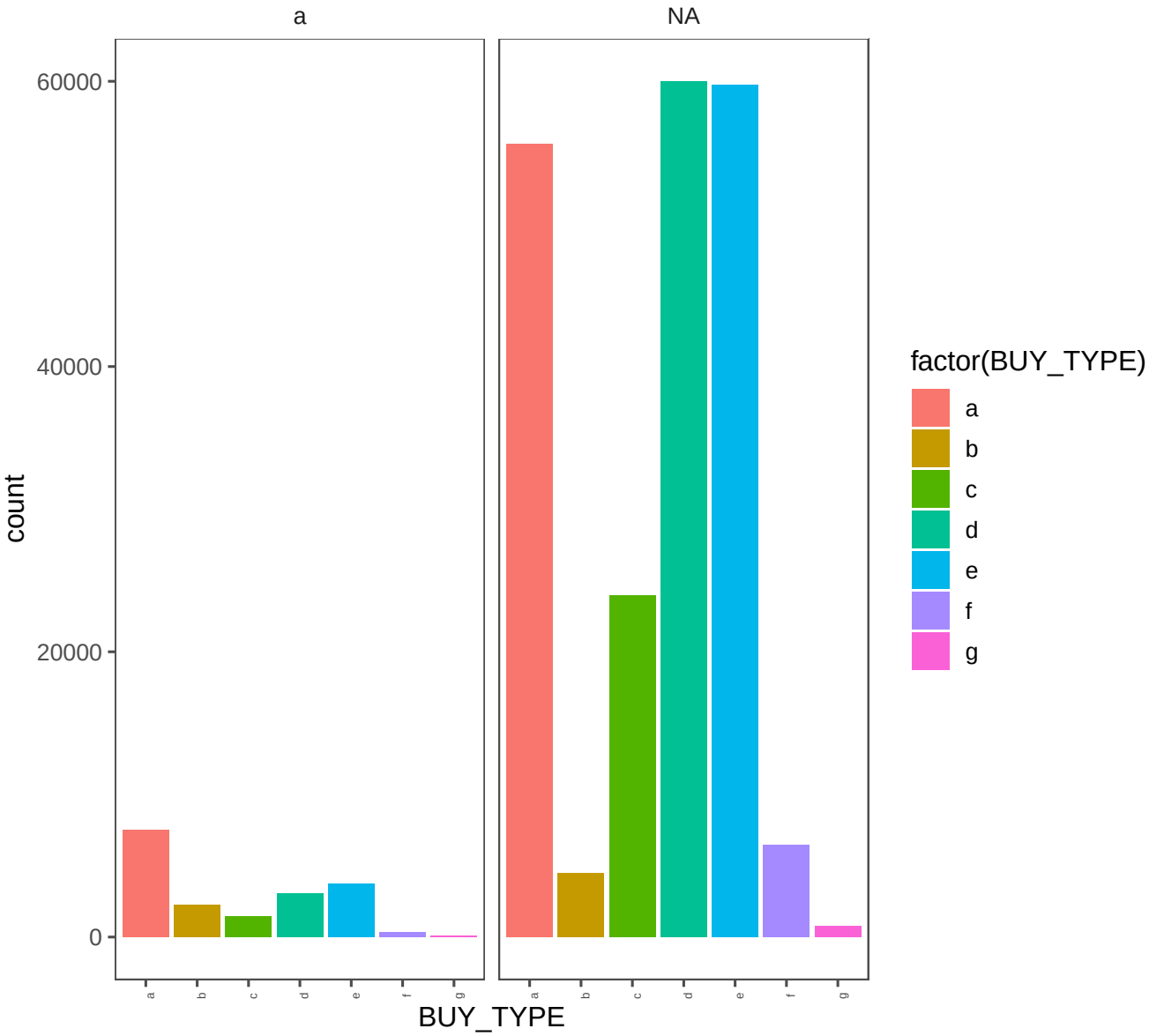

STATUS2
−Groupby STATUS2 ,
Relative Y
a
NA
count
6000
4000
2000
0
60000
40000
20000
0
a
b
c
d
e
f
g
BUY_TYPE
factor(BUY_TYPE)
a
b
c
d
e
f
g

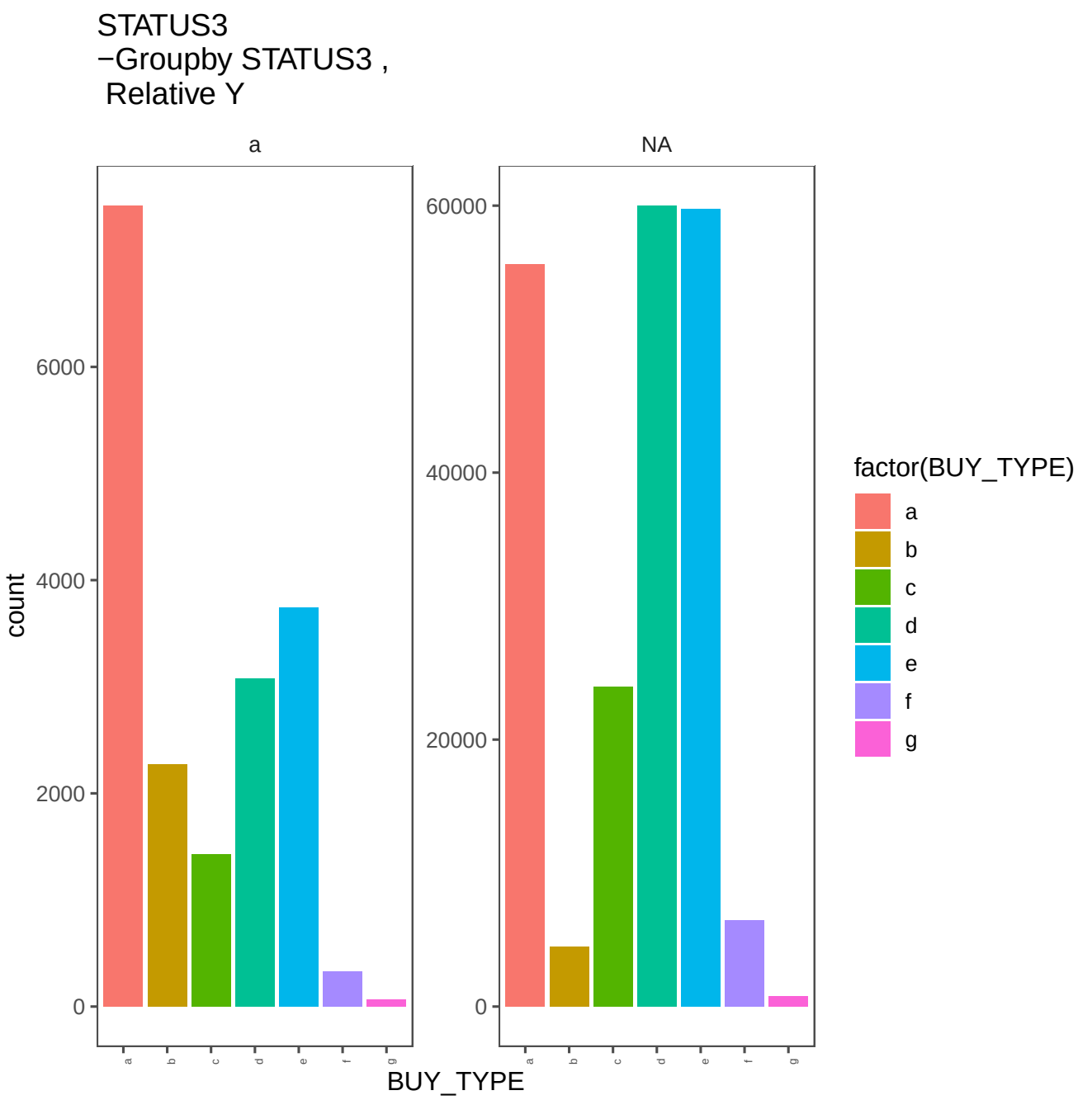

STATUS3
−Groupby BUY_TYPE,
Fixed Y
a
b
c
d
e
f
g
60000
40000
20000
0
count
a
NA
STATUS3
factor(BUY_TYPE)
a
b
c
d
e
f
g

STATUS3
−Groupby BUY_TYPE,
Relative Y

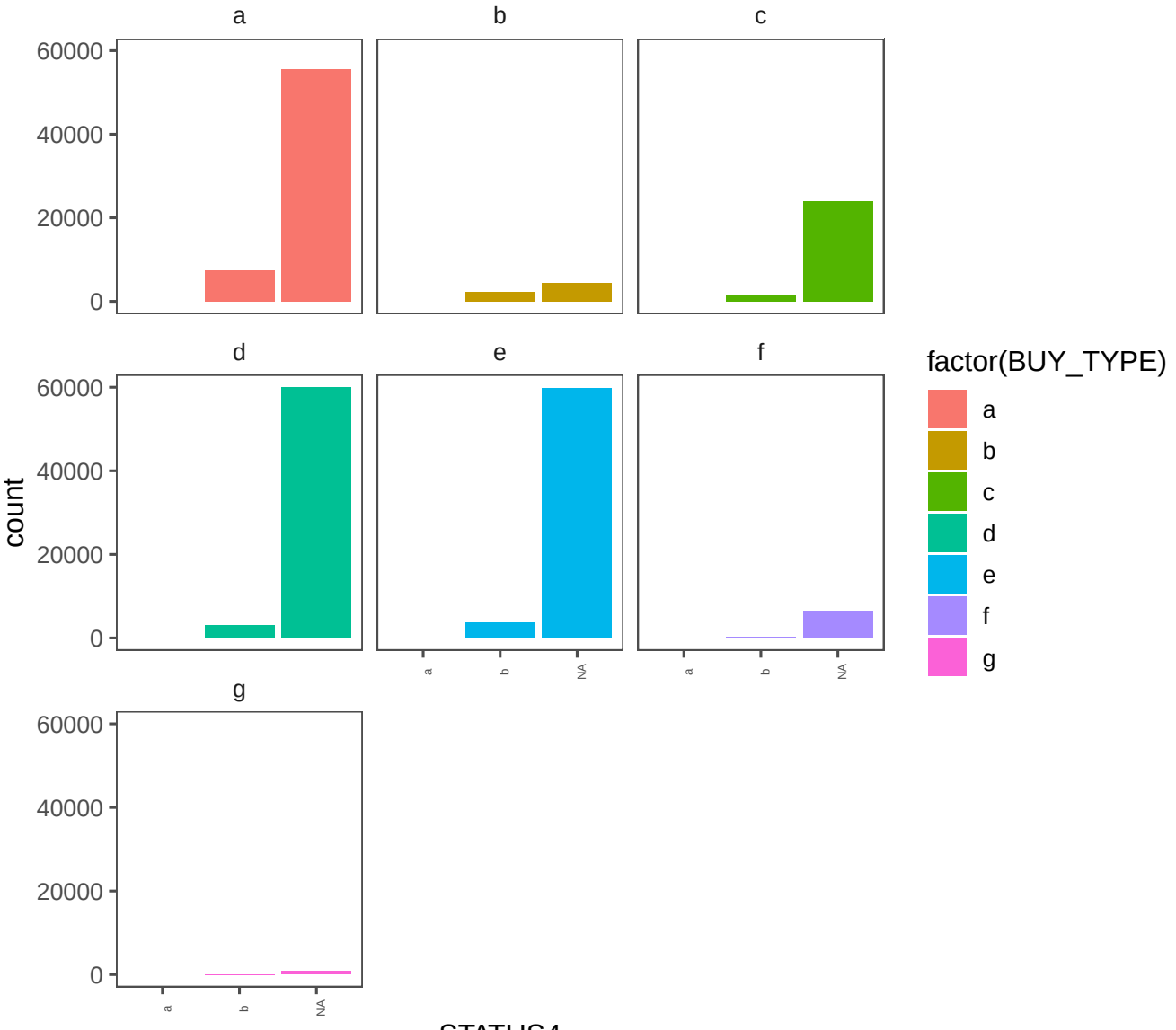


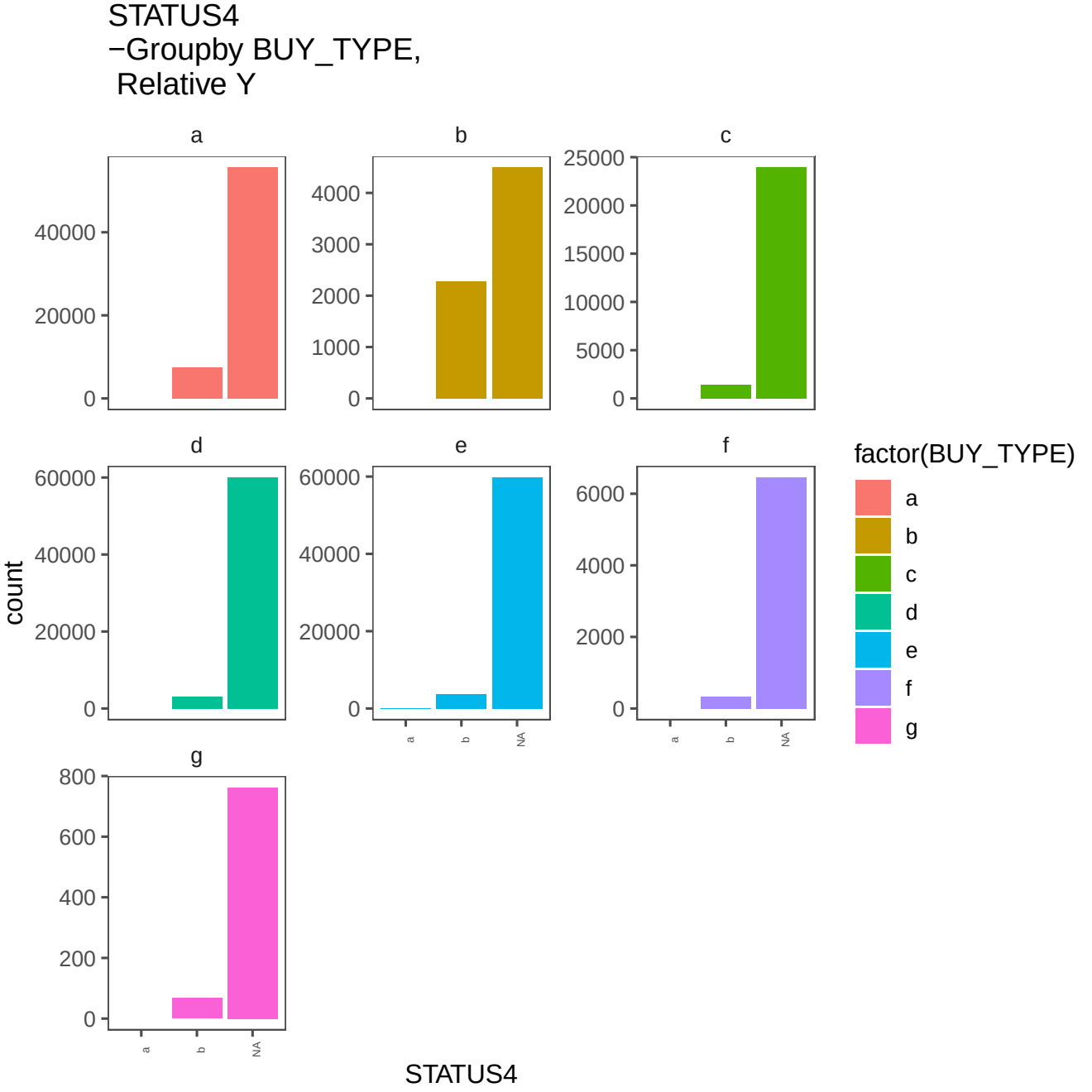
STATUS3
−Groupby STATUS3 ,
Fixed Y

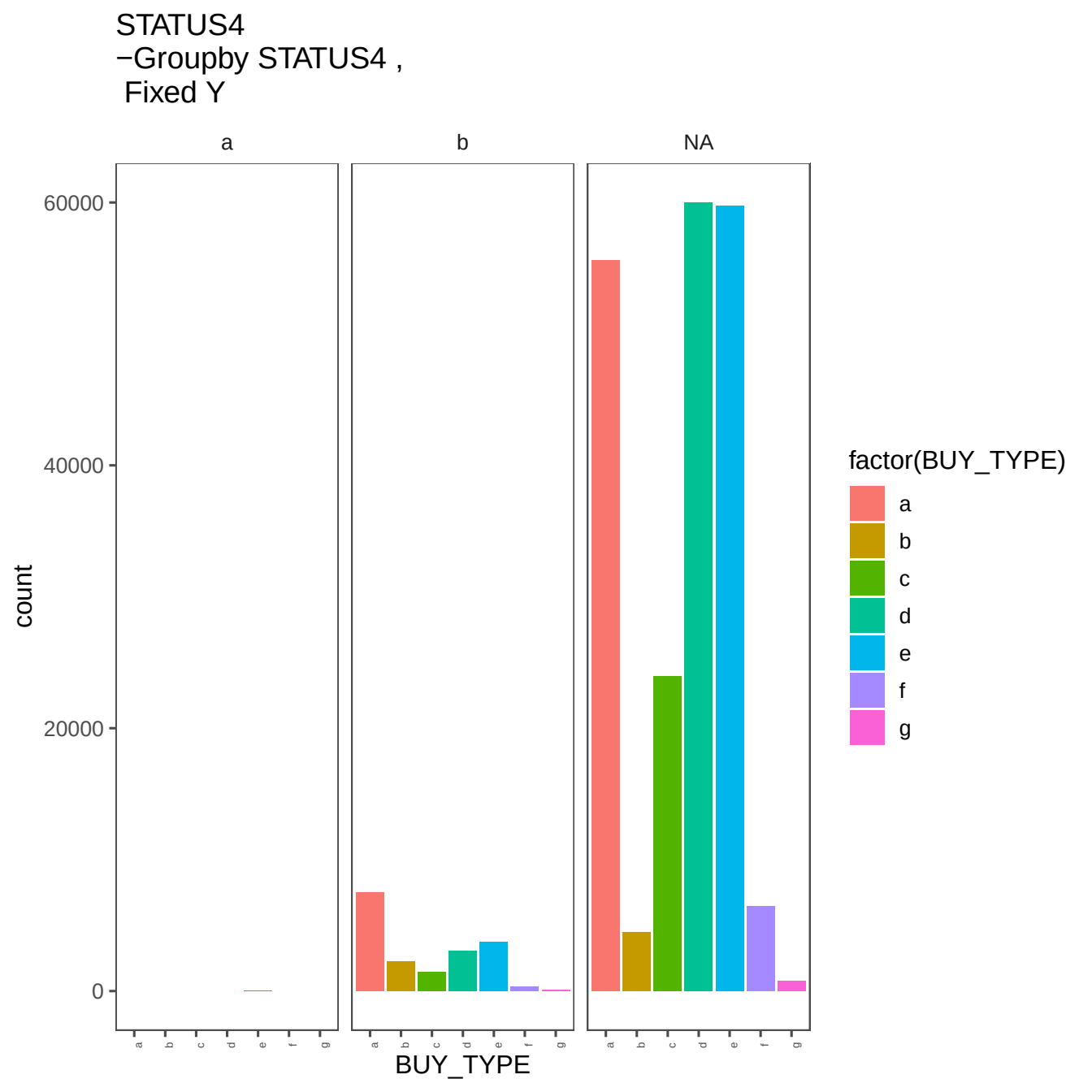



STATUS3
−Groupby STATUS3 ,
Relative Y
a
NA
count
6000
4000
2000
0
60000
40000
20000
0
a
b
c
d
e
f
g
BUY_TYPE
factor(BUY_TYPE)
a
b
c
d
e
f
g

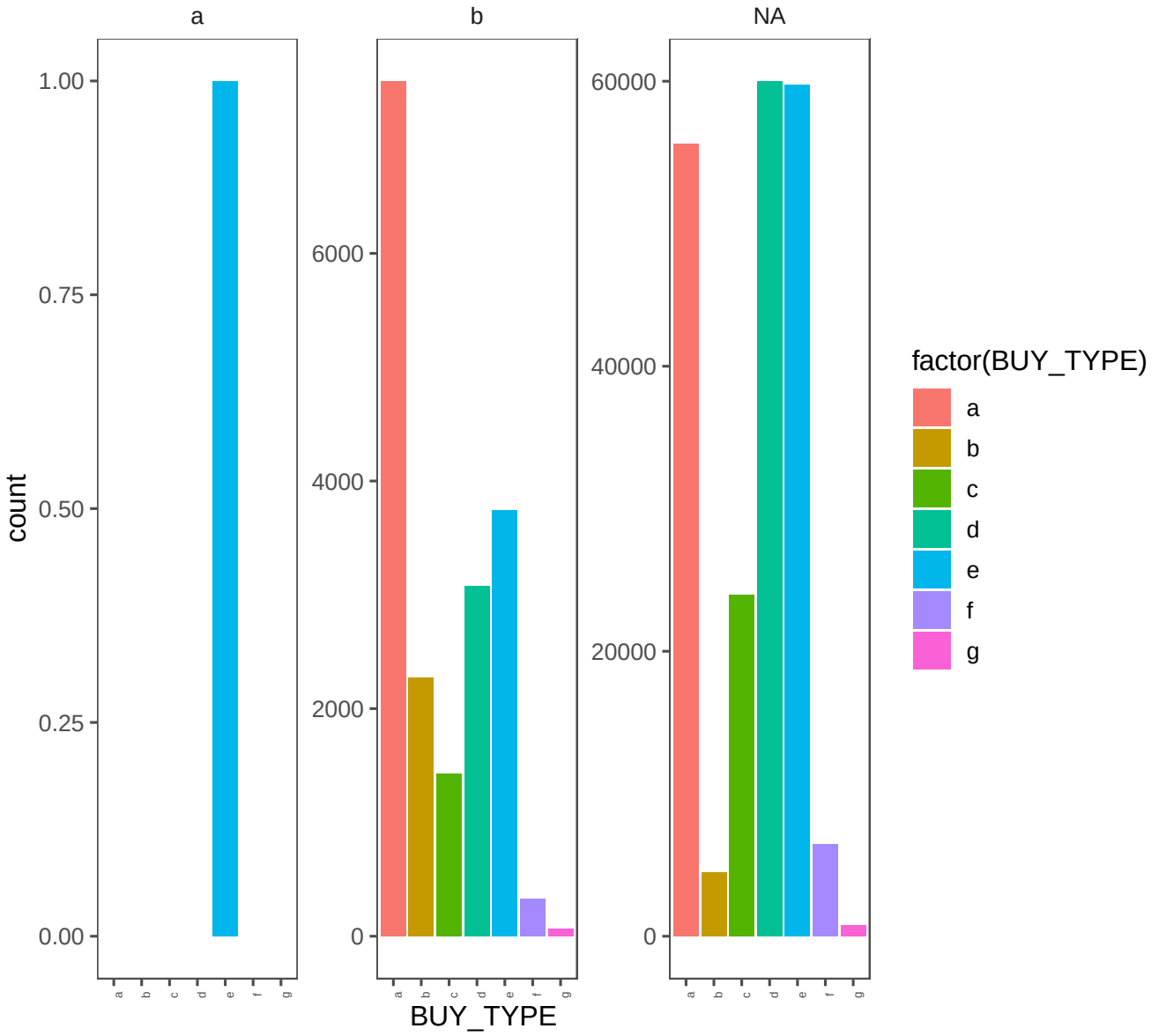
STATUS4
−Groupby BUY_TYPE,
Fixed Y

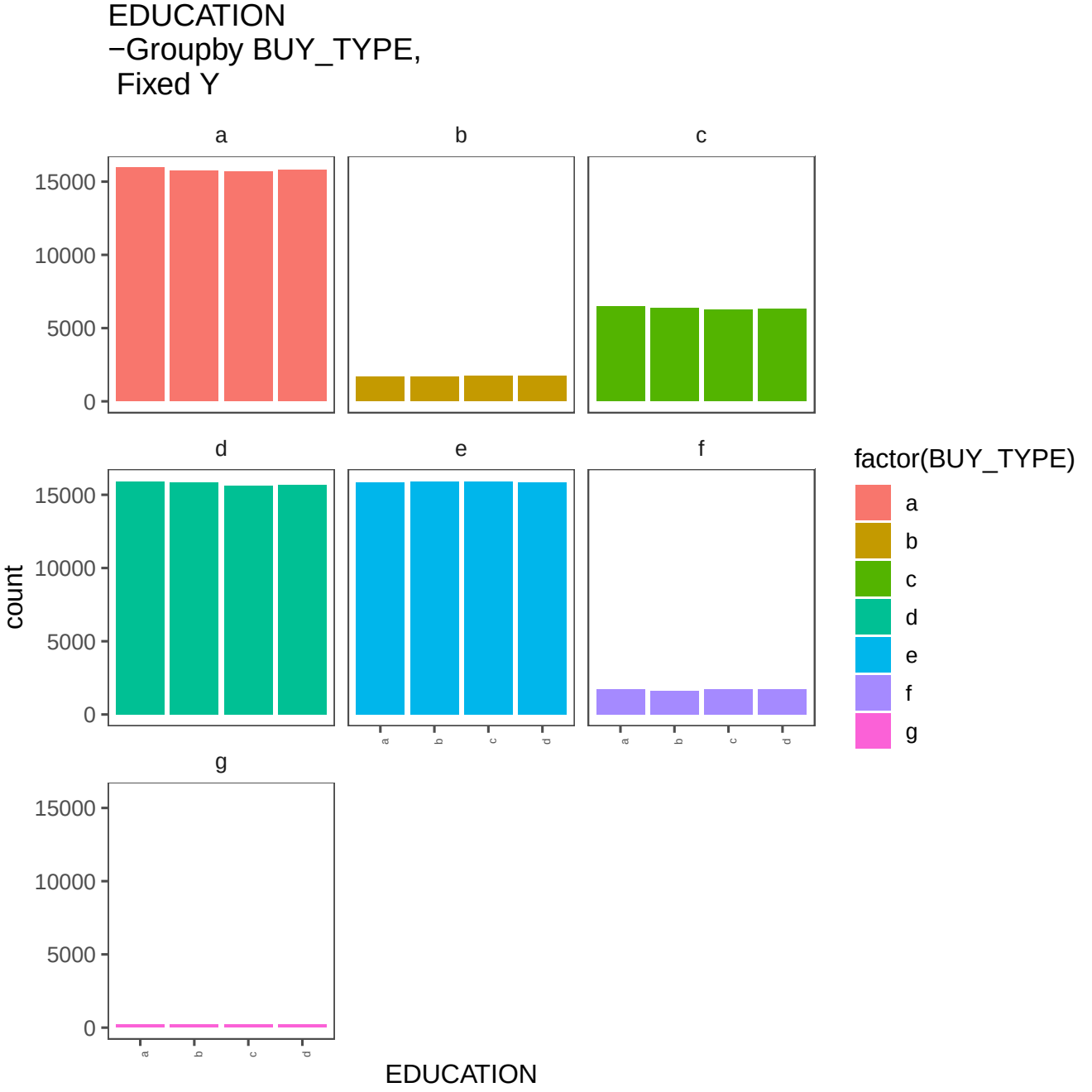


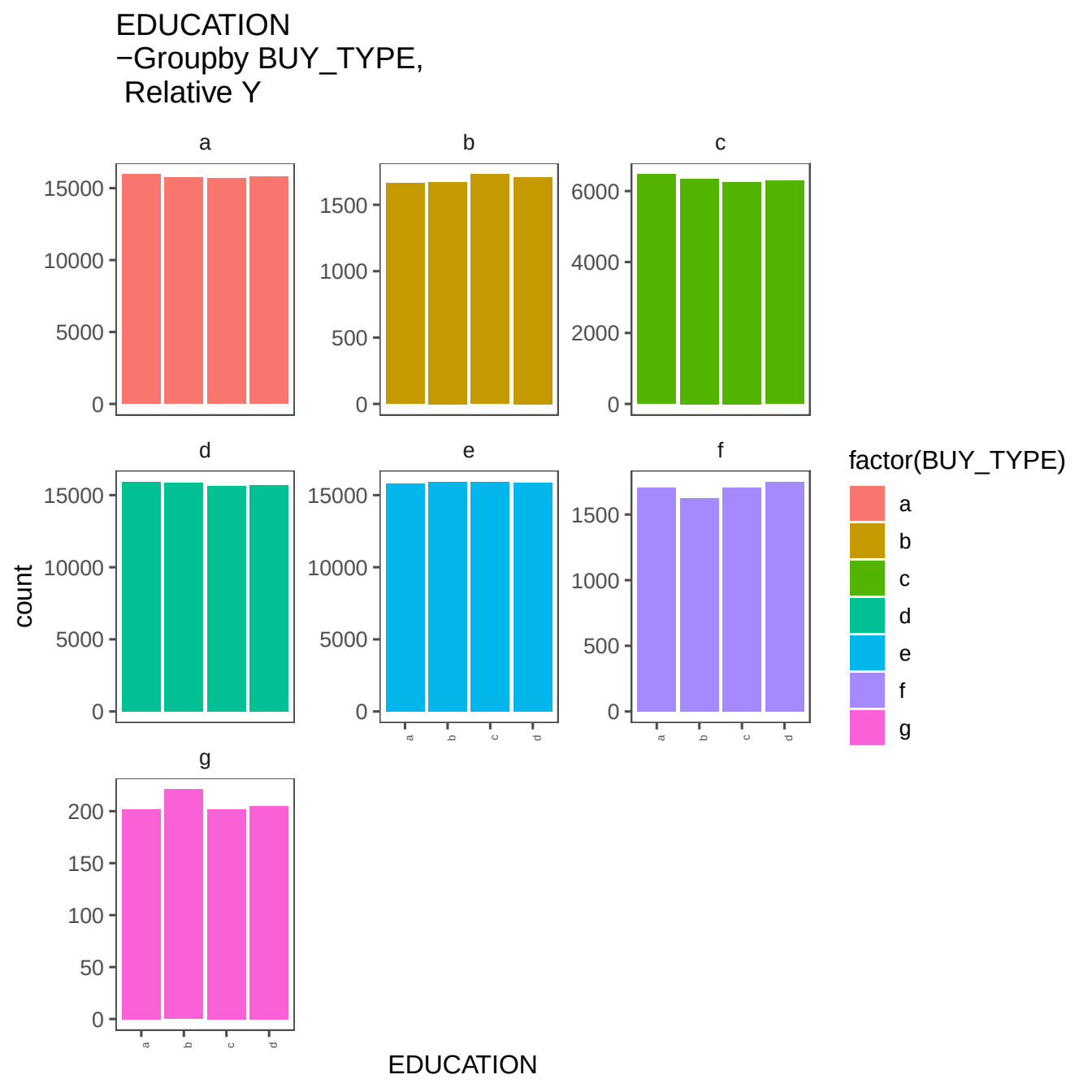

STATUS4
−Groupby BUY_TYPE,
Relative Y
a
b
c
d
e
f
g
count
STATUS4
factor(BUY_TYPE)
a
b
c
d
e
f
g
NA


STATUS4
−Groupby STATUS4 ,
Fixed Y
a
b
NA
60000
40000
20000
0
count
a
b
c
d
e
f
g
BUY_TYPE
factor(BUY_TYPE)
a
b
c
d
e
f
g

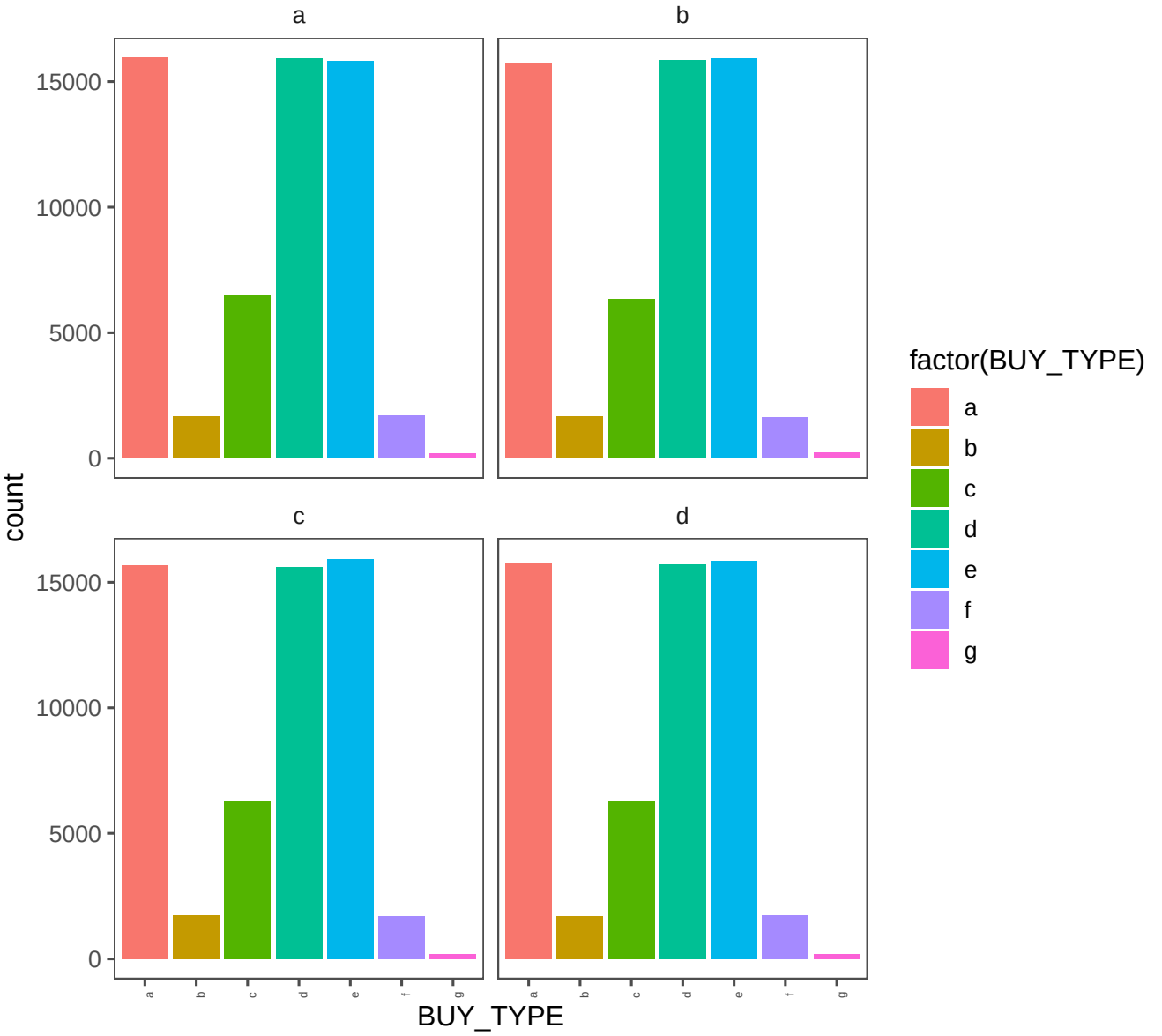
STATUS4
−Groupby STATUS4 ,
Relative Y

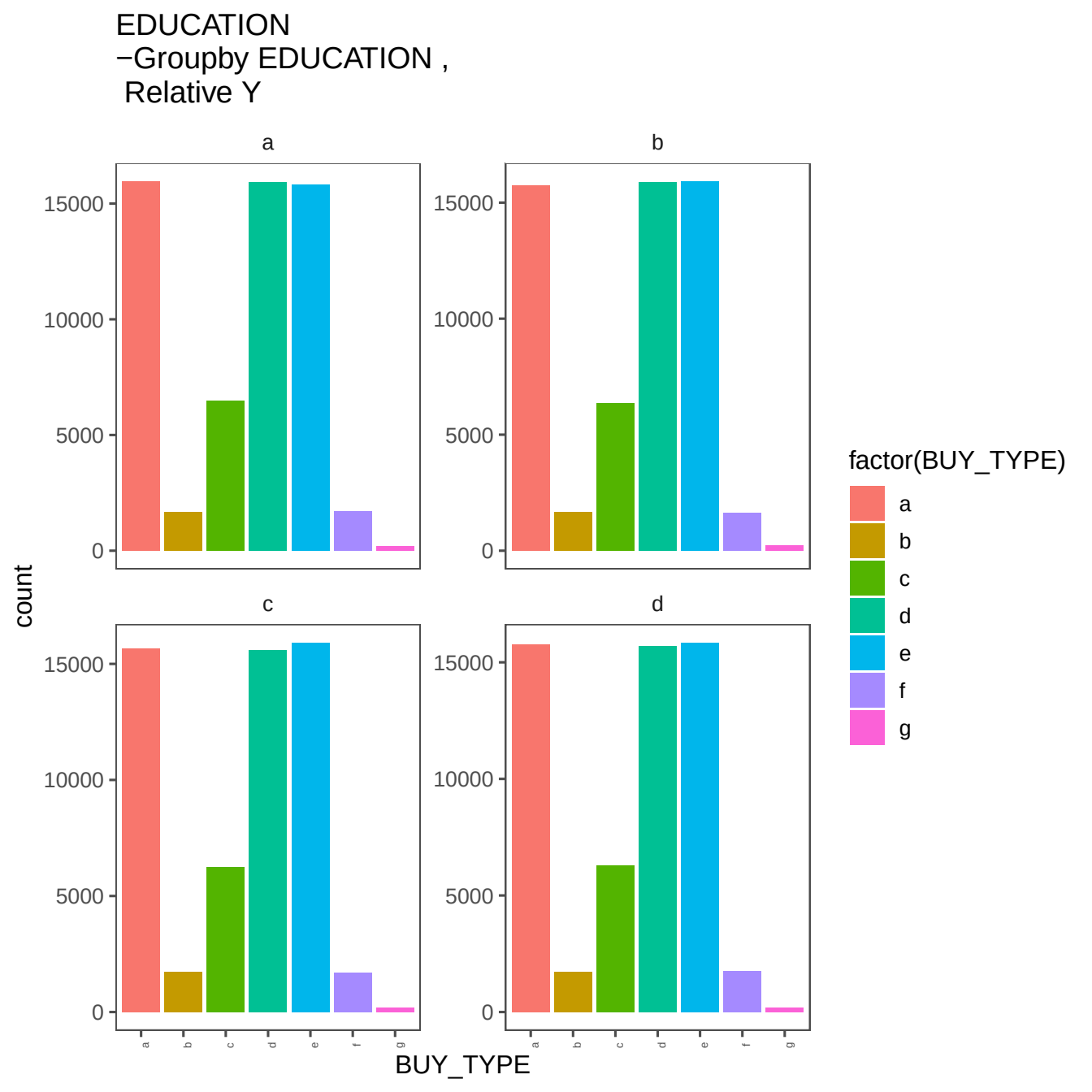


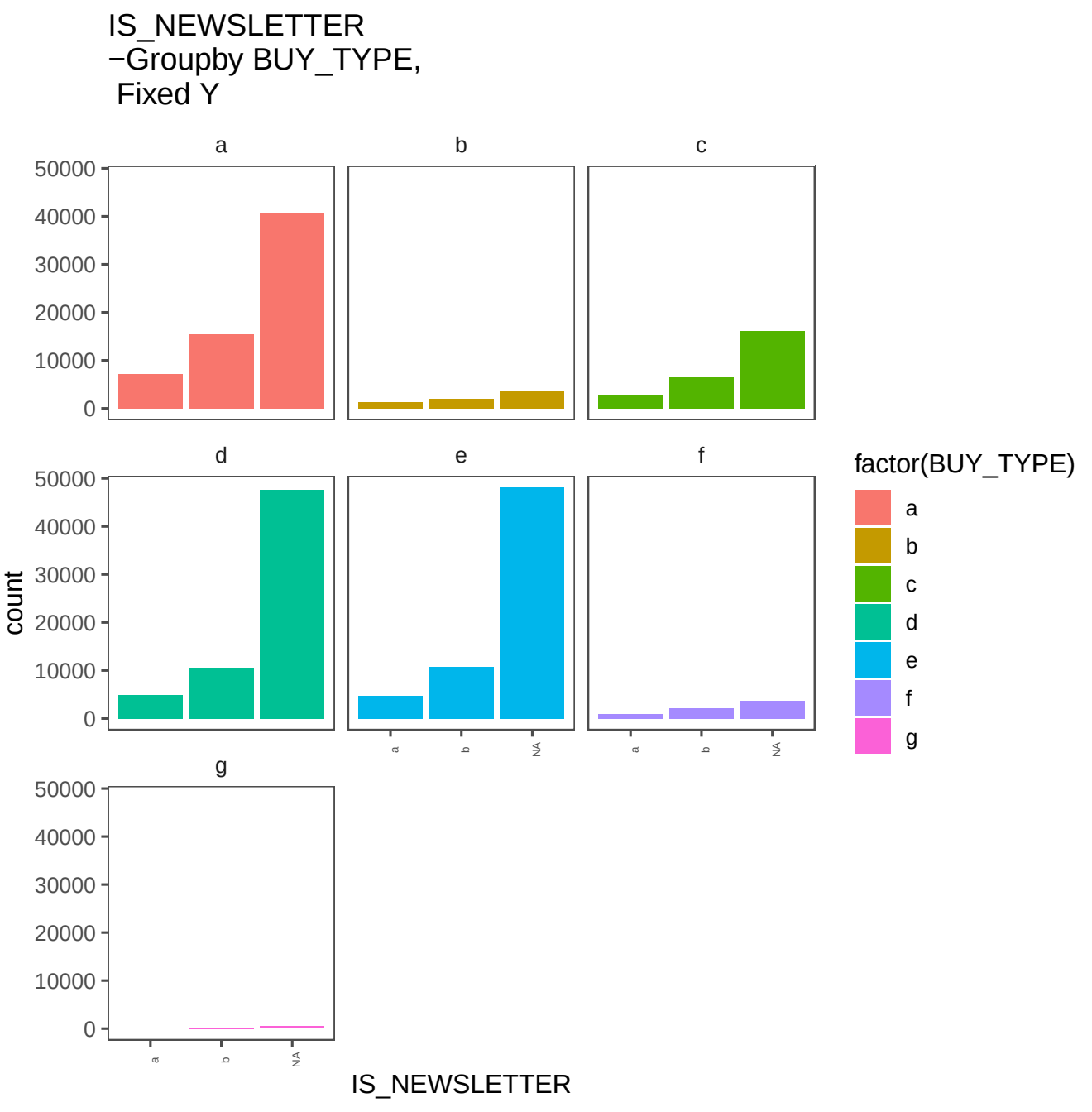

EDUCATION
−Groupby BUY_TYPE,
Fixed Y
a
b
c
d
e
f
g
15000
10000
5000
0
count
EDUCATION
factor(BUY_TYPE)
a
b
c
d
e
f
g

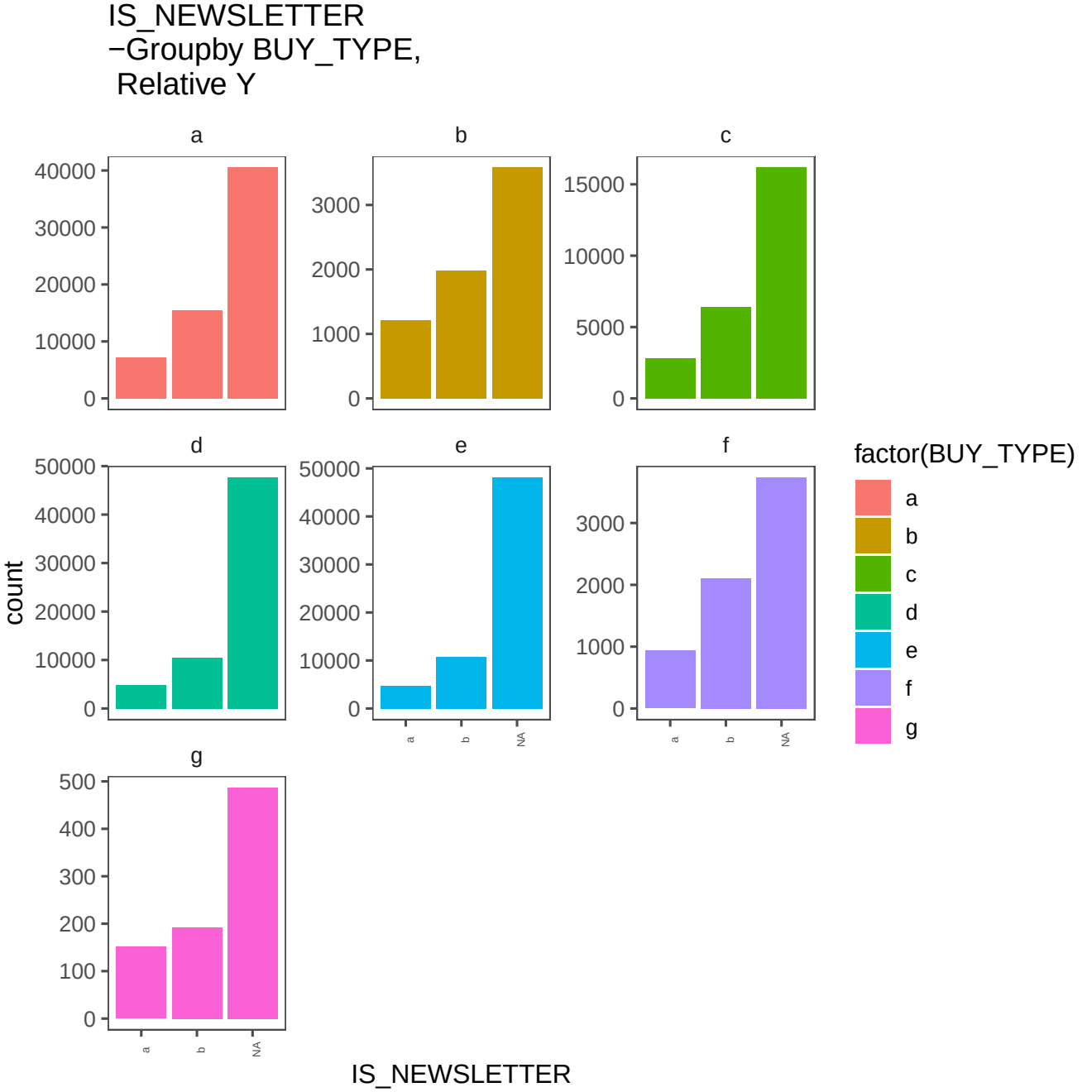

EDUCATION
−Groupby BUY_TYPE,
Relative Y
a
b
c
d
e
f
g
15000
10000
5000
0
1500
1000
500
6000
4000
2000
200
150
100
50
count
a
b
c
d
EDUCATION
factor(BUY_TYPE)
a
b
c
d
e
f
g

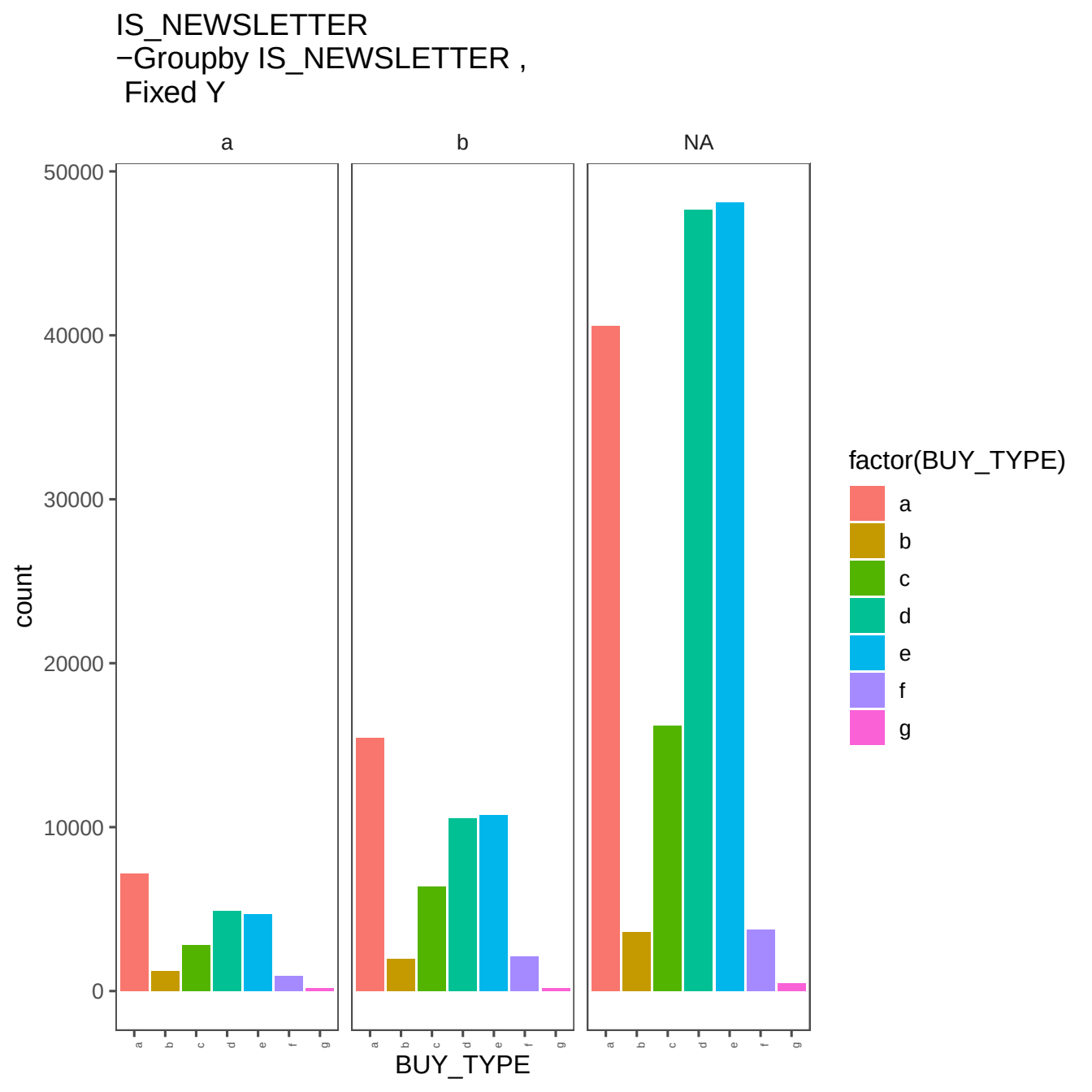
EDUCATION
−Groupby EDUCATION ,
Fixed Y

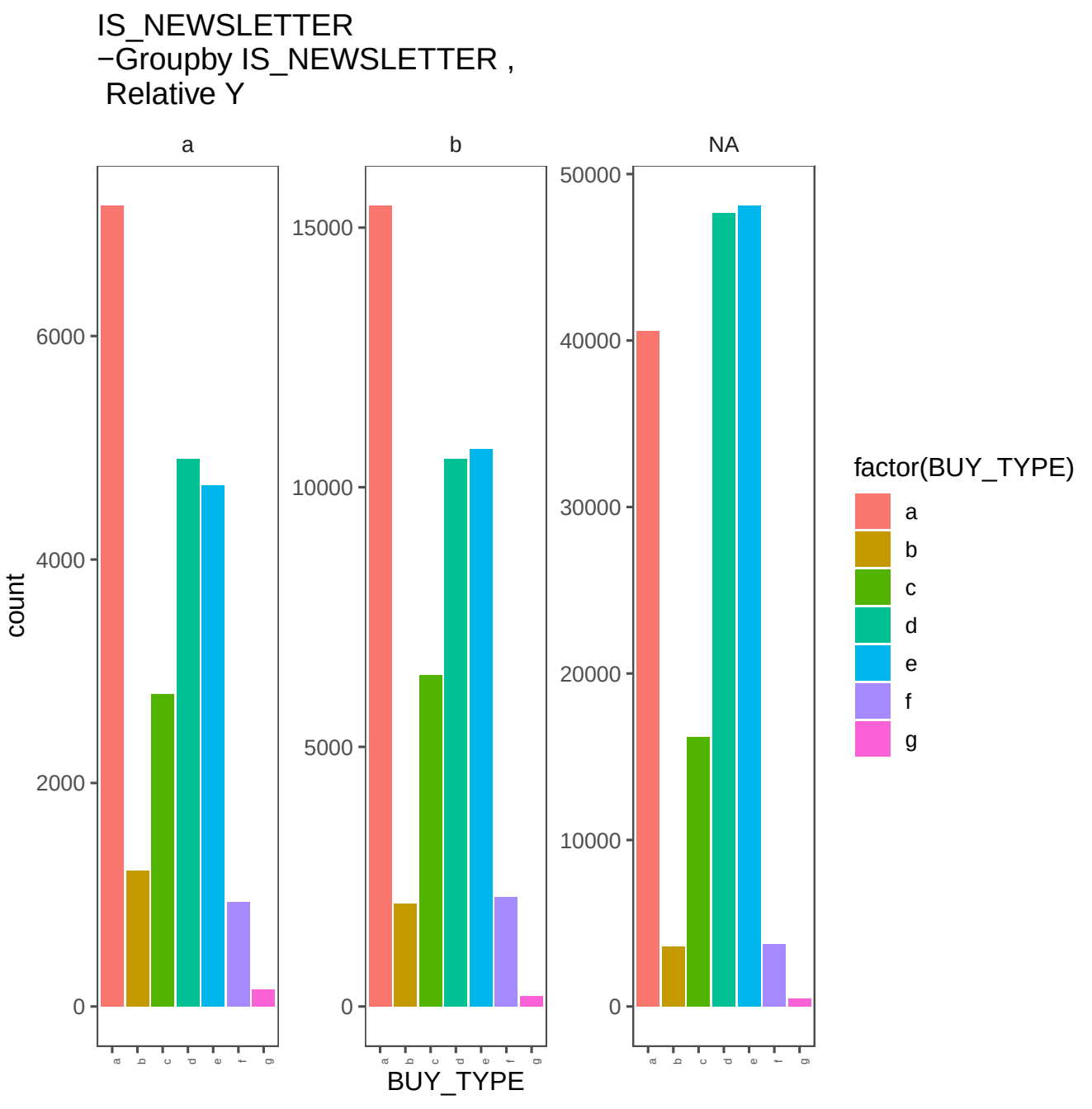


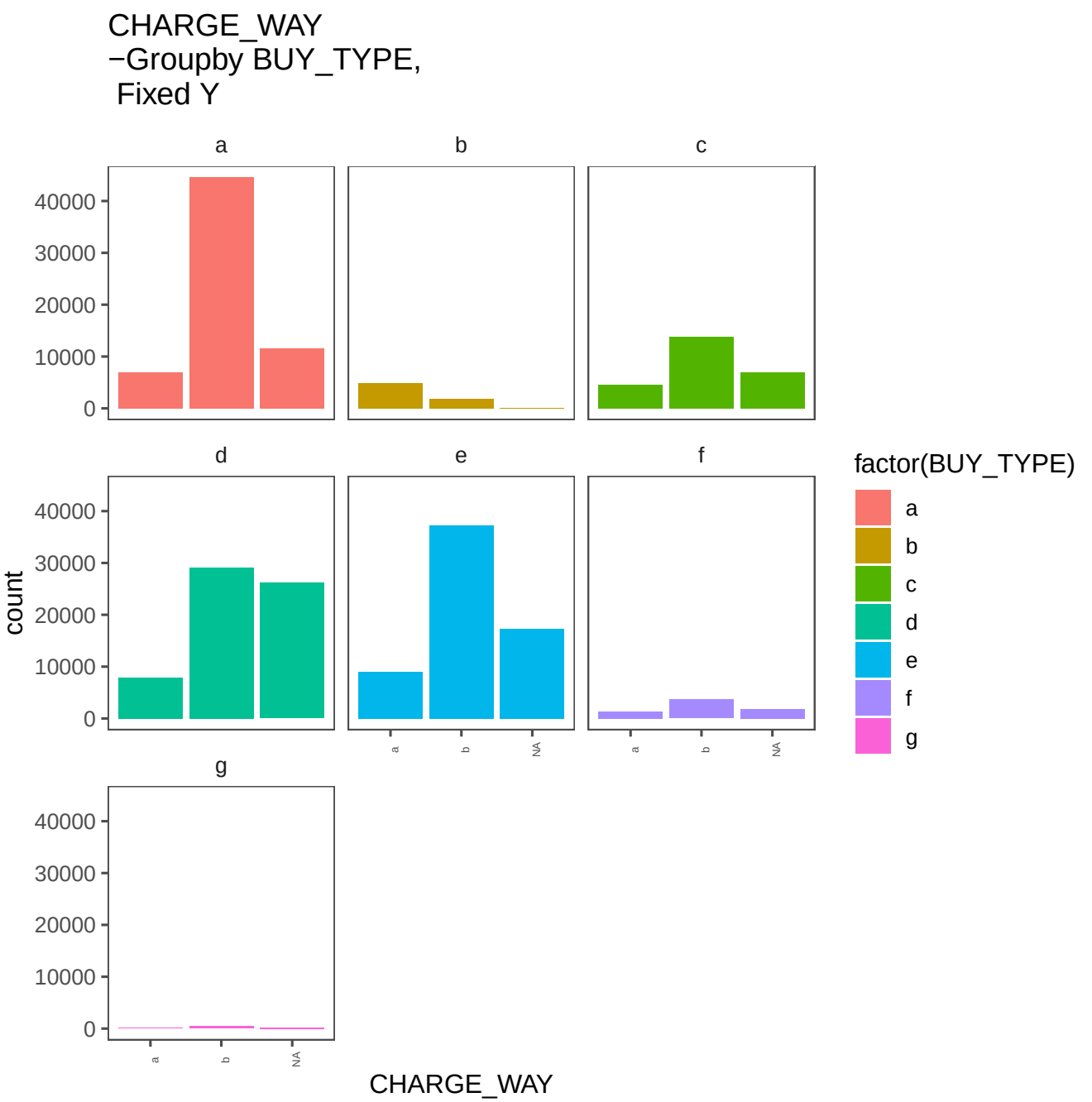

EDUCATION
−Groupby EDUCATION ,
Relative Y
a
b
c
d
15000
10000
5000
0
count
BUY_TYPE
factor(BUY_TYPE)
a
b
c
d
e
f
g

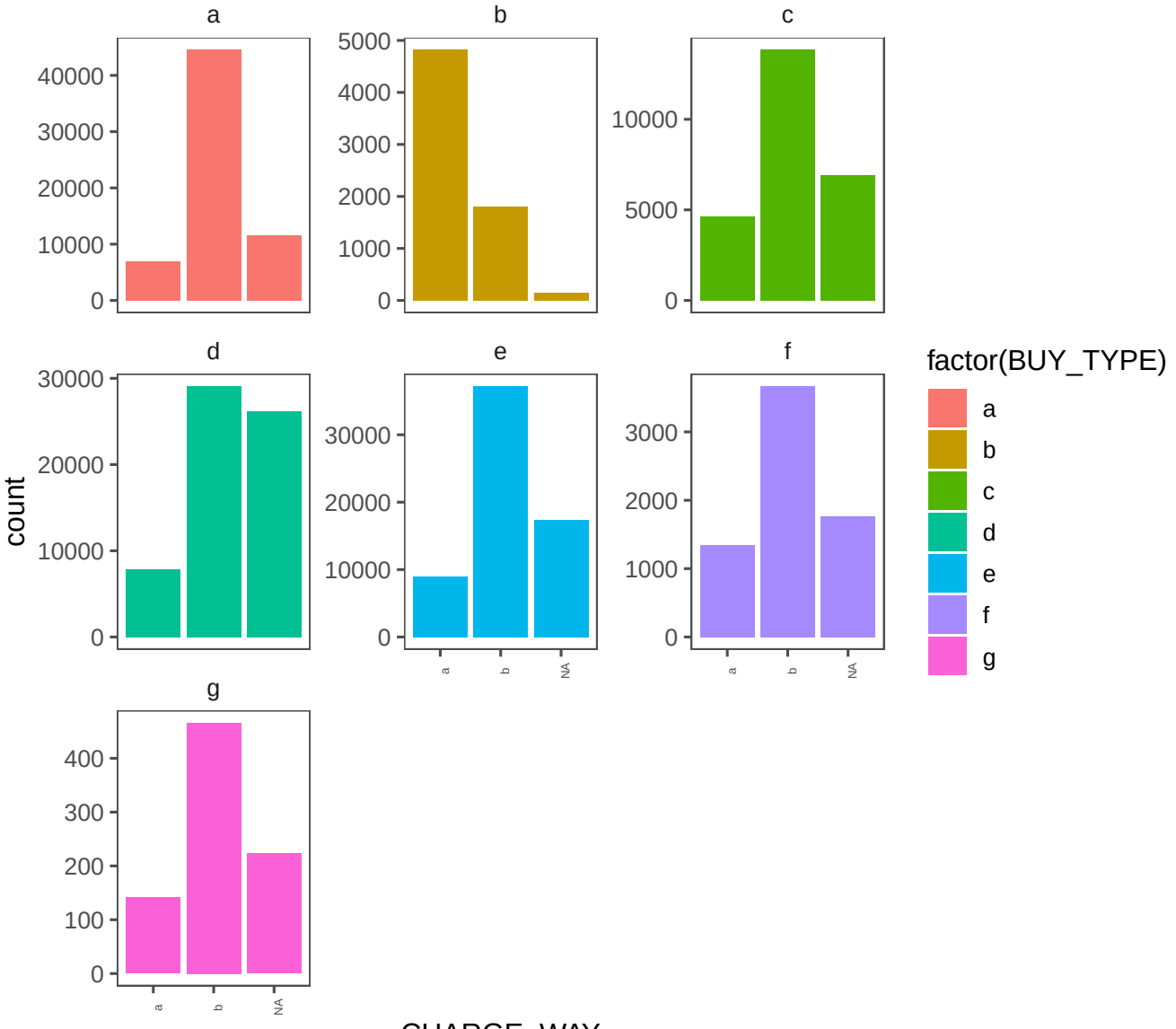

IS_NEWSLETTER
−Groupby BUY_TYPE,
Fixed Y
a
b
c
d
e
f
g
50000
40000
30000
20000
10000
0
count
a
b
NA
IS_NEWSLETTER
factor(BUY_TYPE)
a
b
c
d
e
f
g

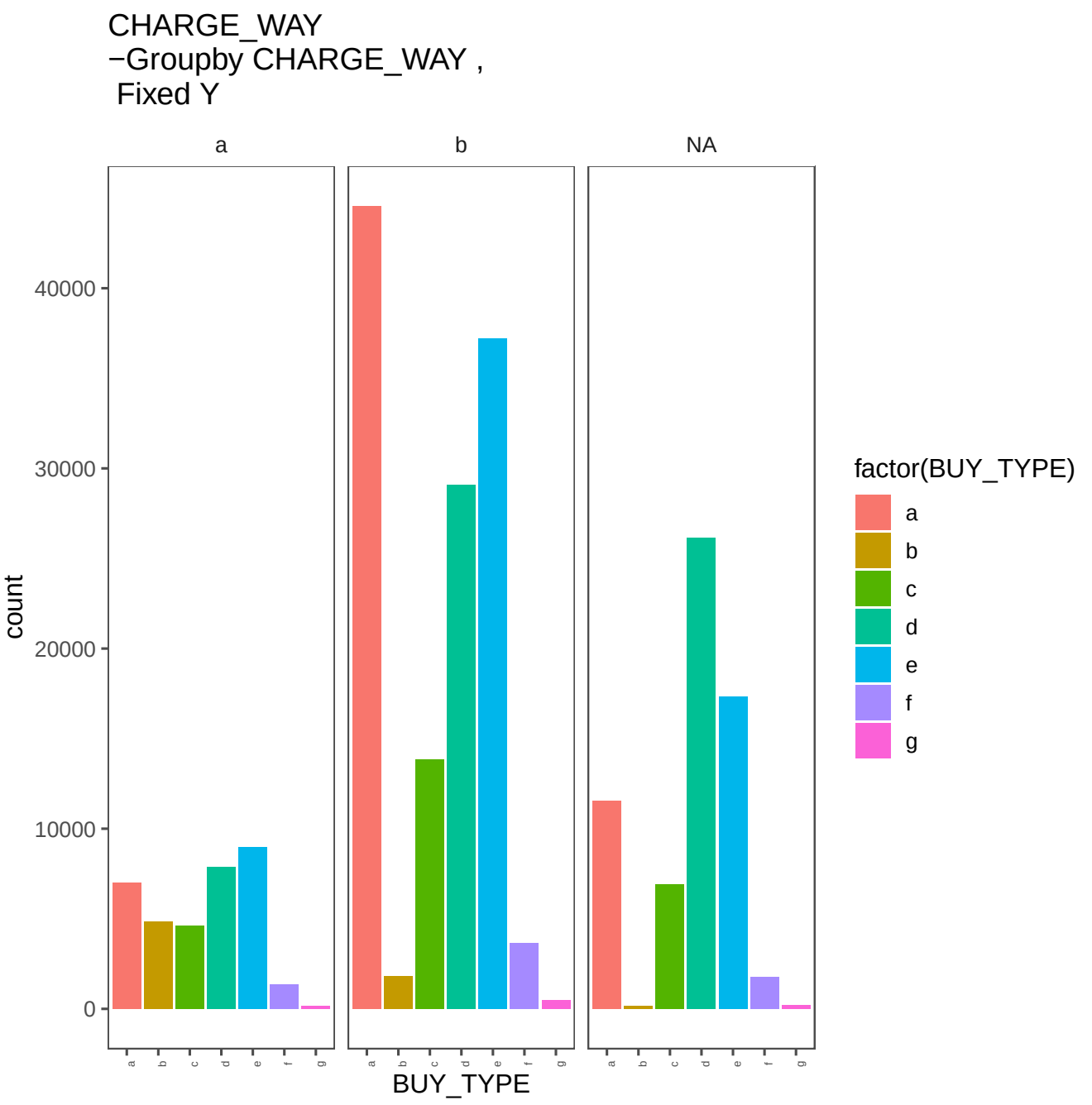

IS_NEWSLETTER
−Groupby BUY_TYPE,
Relative Y
a
b
c
d
e
f
g
count
IS_NEWSLETTER
factor(BUY_TYPE)
a
b
c
d
e
f
g

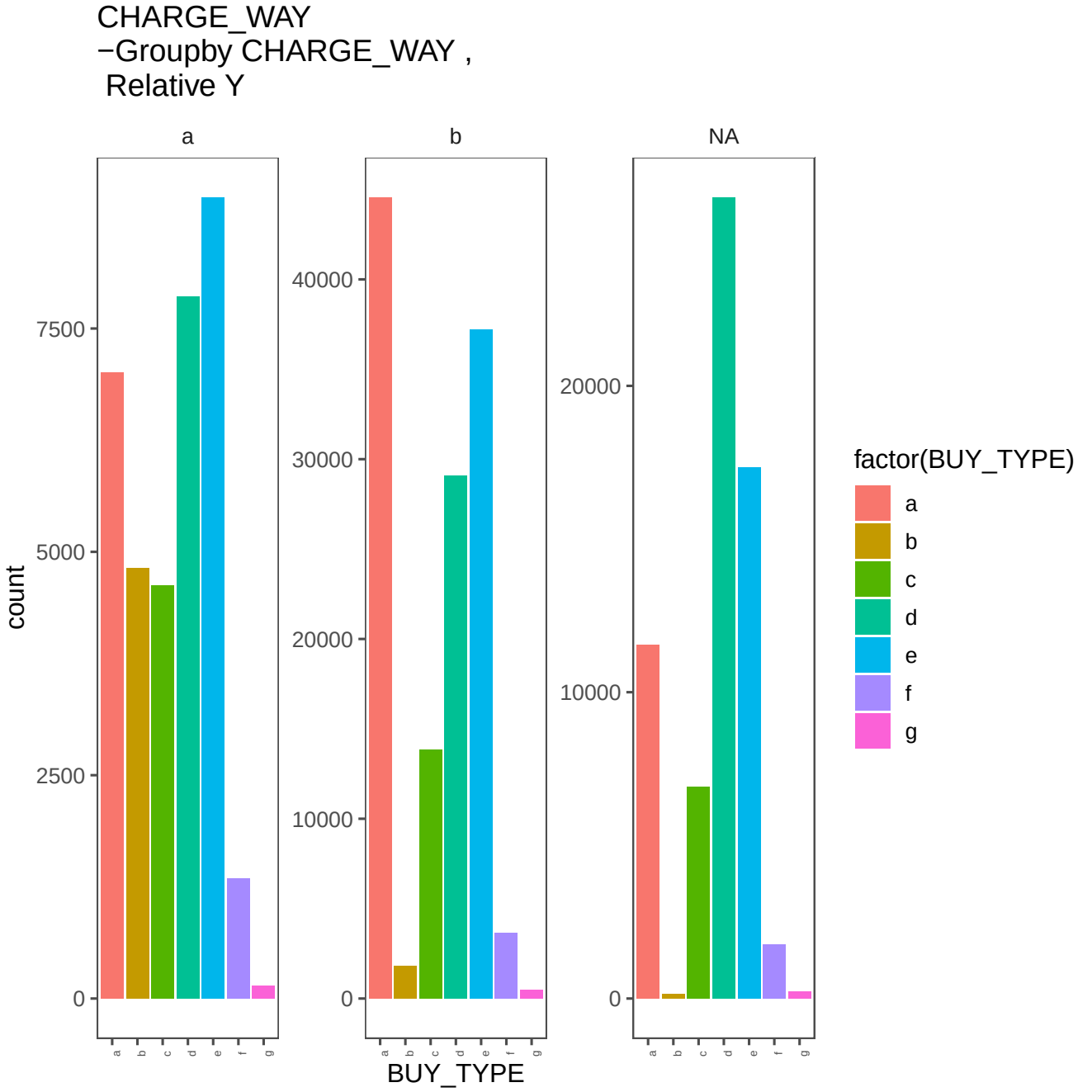

IS_NEWSLETTER
−Groupby IS_NEWSLETTER ,
Fixed Y
a
b
NA
50000
40000
30000
20000
10000
0
count
a
b
c
d
e
f
g
BUY_TYPE
factor(BUY_TYPE)
a
b
c
d
e
f
g

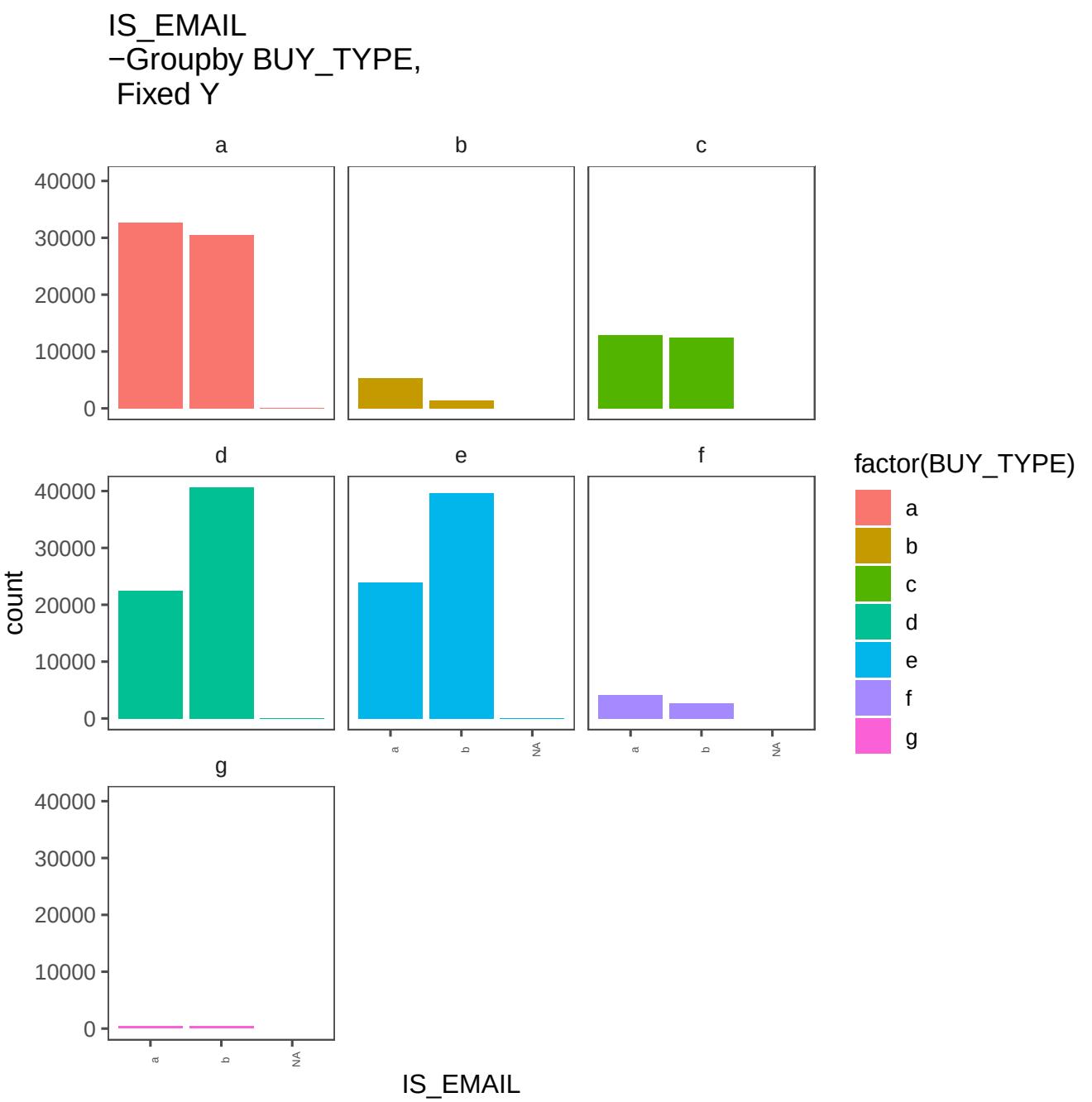

IS_NEWSLETTER
−Groupby IS_NEWSLETTER ,
Relative Y
a
b
NA
count
BUY_TYPE
factor(BUY_TYPE)
a
b
c
d
e
f
g

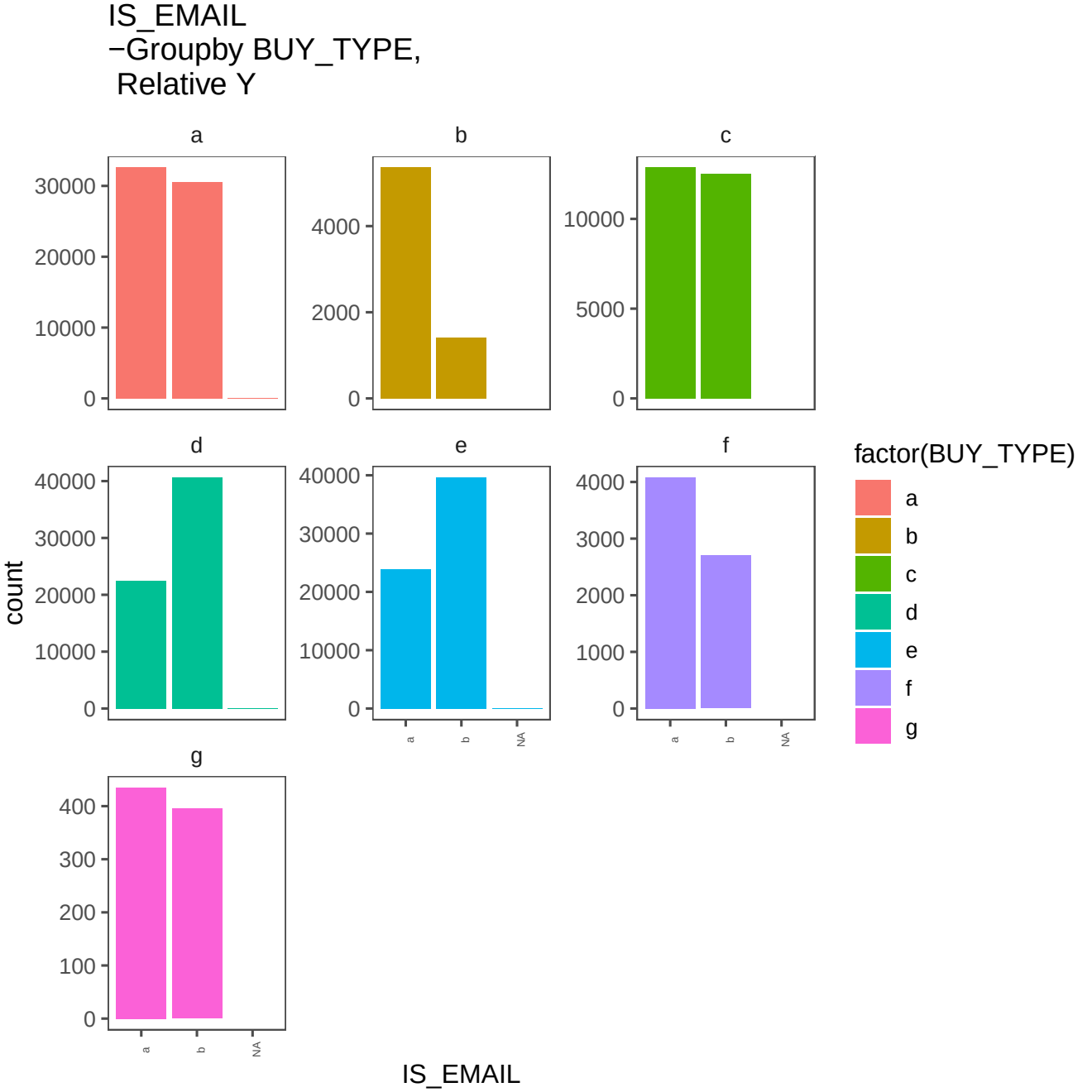

CHARGE_WAY
−Groupby BUY_TYPE,
Fixed Y
a
b
c
d
e
f
g
40000
30000
20000
10000
0
count
a
b
NA
CHARGE_WAY
factor(BUY_TYPE)
a
b
c
d
e
f
g

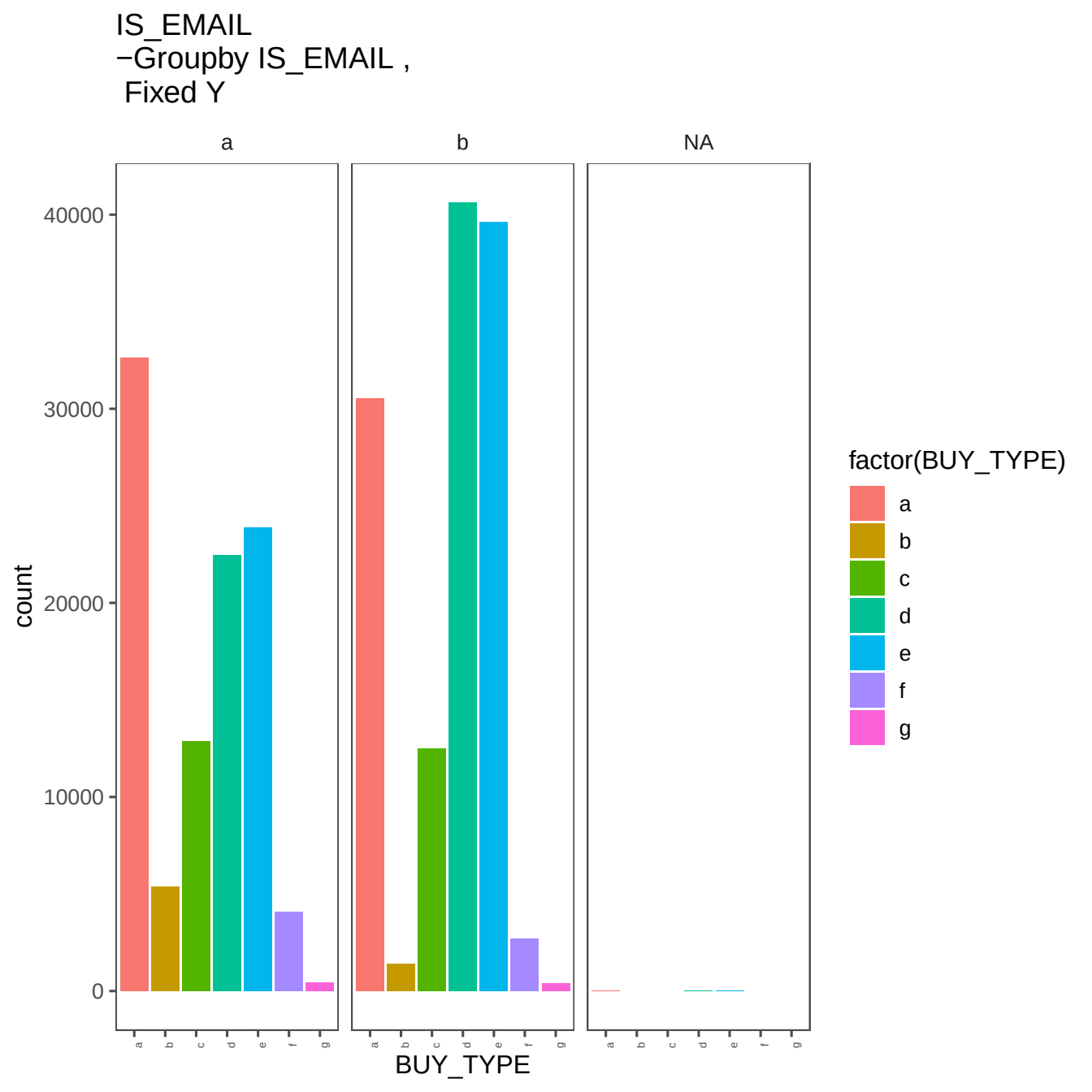

CHARGE_WAY
−Groupby BUY_TYPE,
Relative Y
a
b
c
d
e
f
g
count
CHARGE_WAY
factor(BUY_TYPE)
a
b
c
d
e
f
g

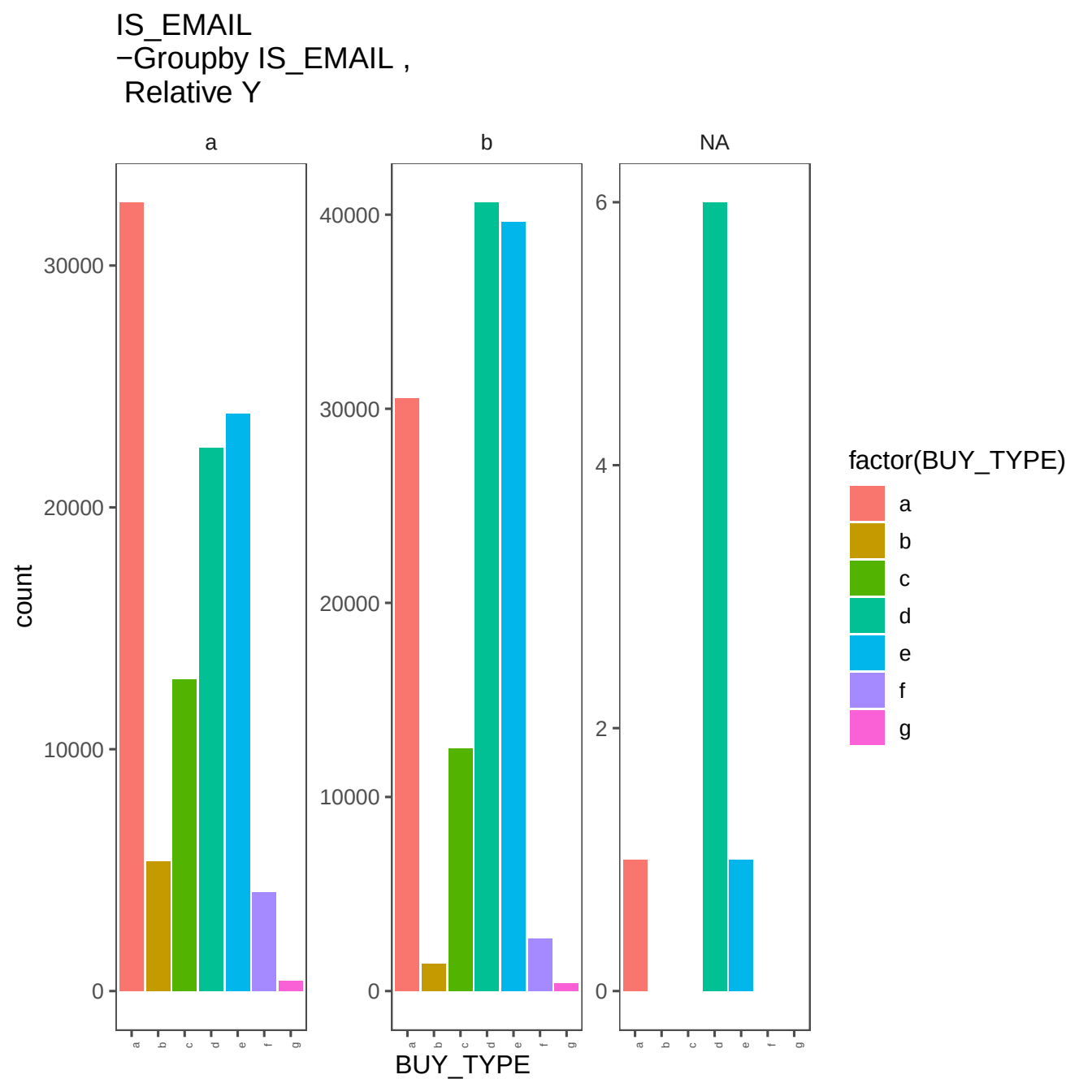

CHARGE_WAY
−Groupby CHARGE_WAY ,
Fixed Y
a
b
NA
40000
30000
20000
10000
0
count
a
b
c
d
e
f
g
BUY_TYPE
factor(BUY_TYPE)
a
b
c
d
e
f
g


CHARGE_WAY
−Groupby CHARGE_WAY ,
Relative Y
a
b
NA
count
7500
5000
2500
0
40000
30000
20000
10000
0
20000
10000
0
a
b
c
d
e
f
g
BUY_TYPE
factor(BUY_TYPE)
a
b
c
d
e
f
g

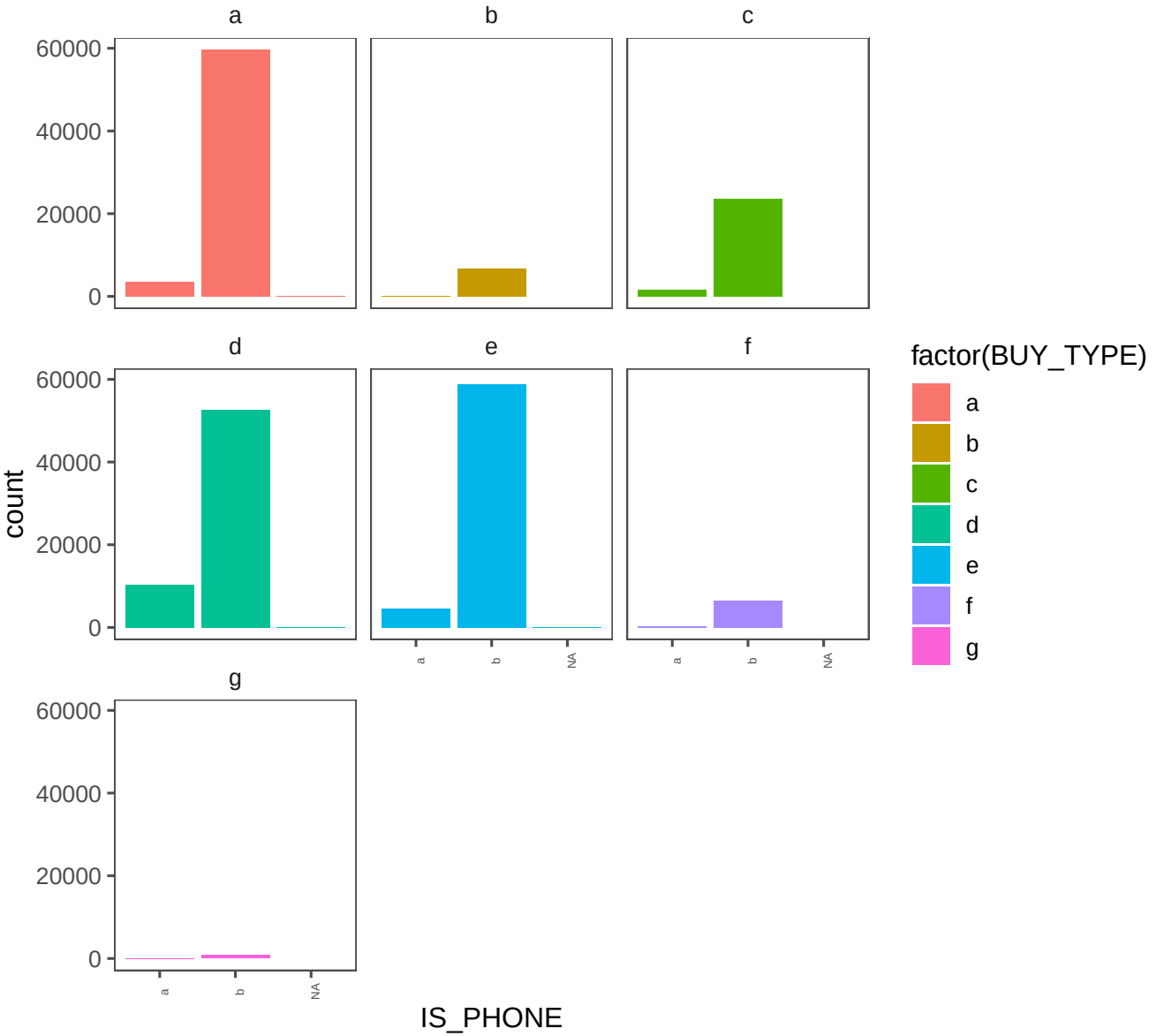

IS_EMAIL
−Groupby BUY_TYPE,
Fixed Y
a
b
c
d
e
f
g
40000
30000
20000
10000
0
count
a
b
NA
IS_EMAIL
factor(BUY_TYPE)
a
b
c
d
e
f
g

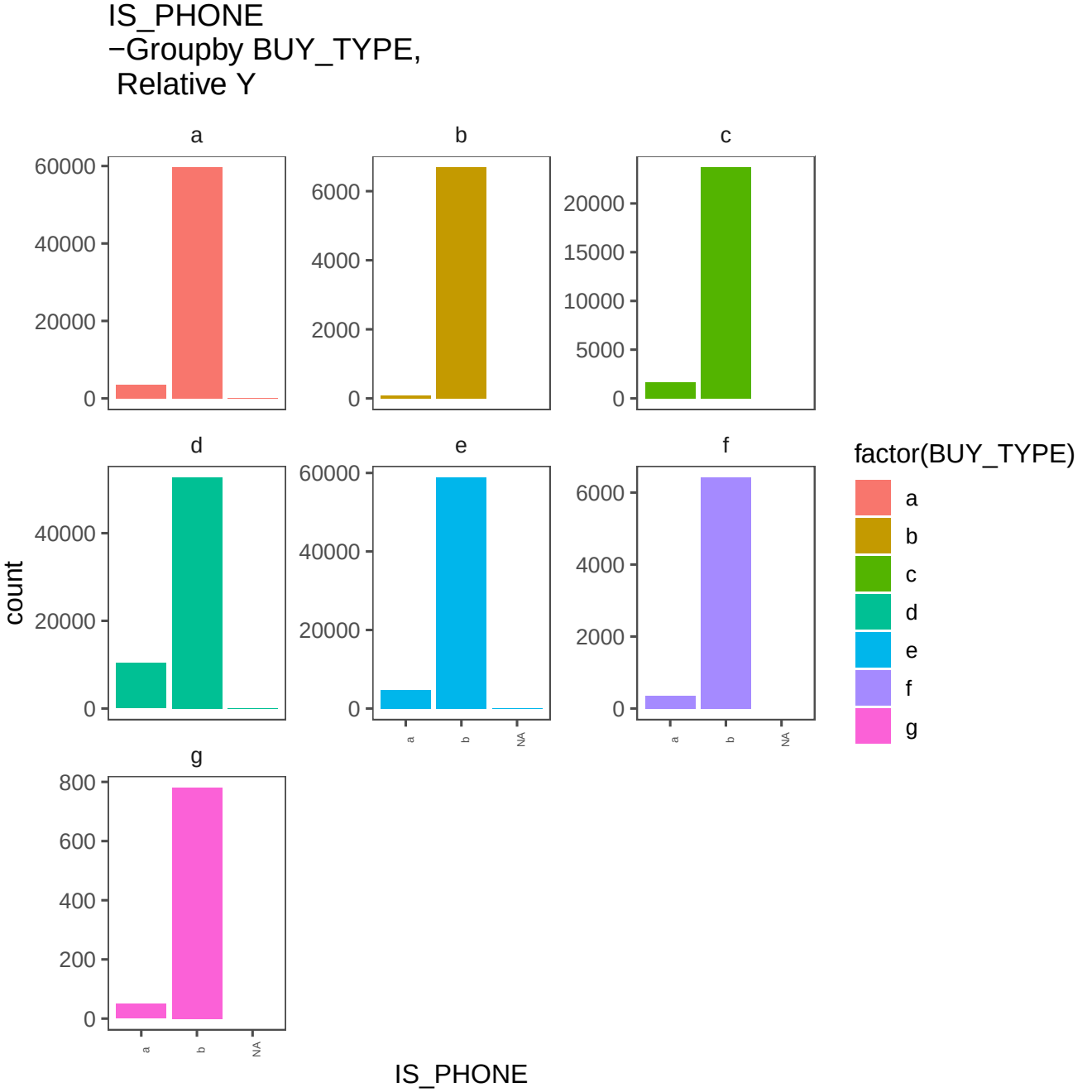

IS_EMAIL
−Groupby BUY_TYPE,
Relative Y
a
b
c
d
e
f
g
count
IS_EMAIL
factor(BUY_TYPE)
a
b
c
d
e
f
g

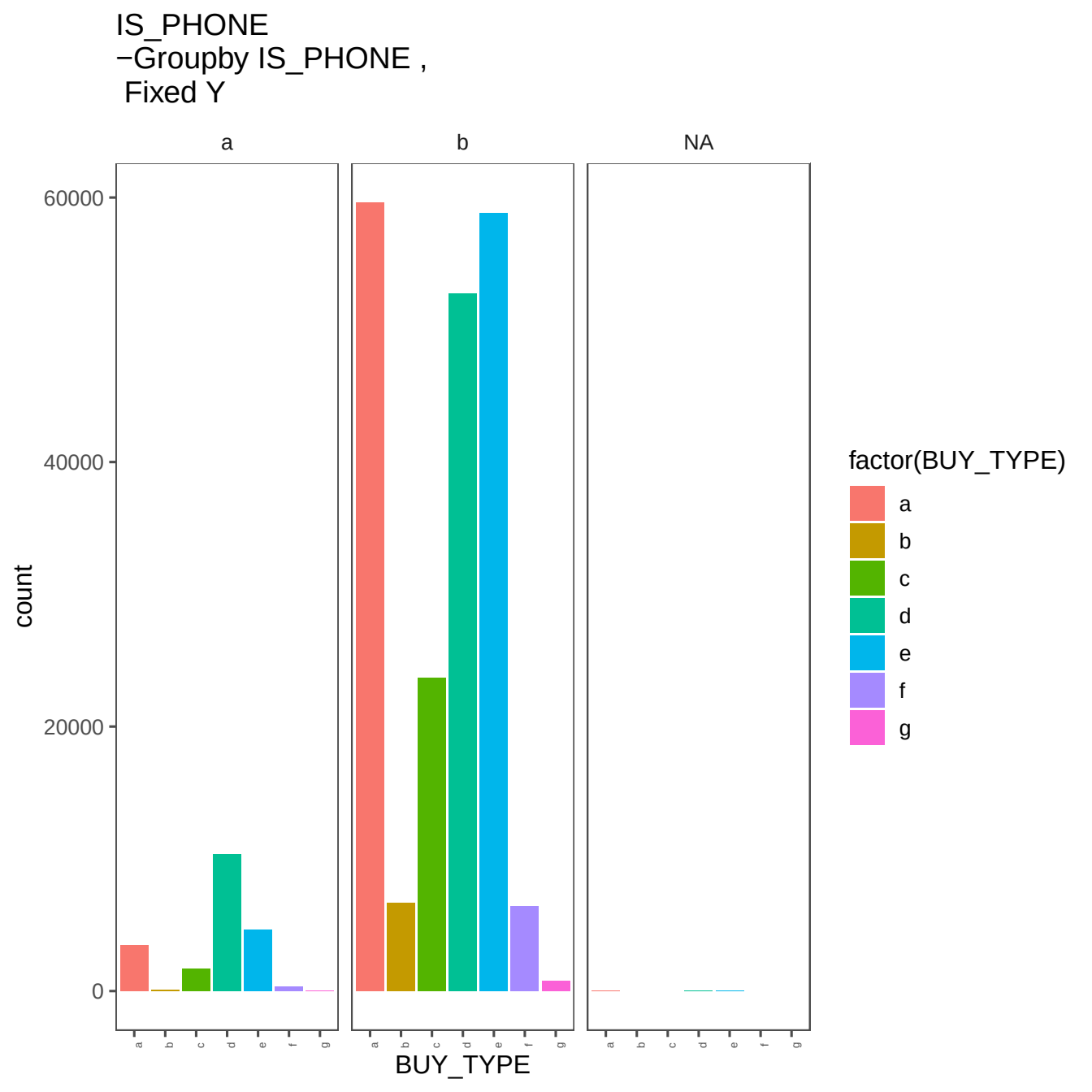

IS_EMAIL
−Groupby IS_EMAIL ,
Fixed Y
a
b
NA
40000
30000
20000
10000
0
count
a
b
c
d
e
f
g
BUY_TYPE
factor(BUY_TYPE)
a
b
c
d
e
f
g


IS_EMAIL
−Groupby IS_EMAIL ,
Relative Y
a
b
NA
count
30000
20000
10000
0
40000
6
4
2
BUY_TYPE
a
b
c
d
e
f
g
factor(BUY_TYPE)

IS_PHONE
−Groupby BUY_TYPE,
Fixed Y




IS_PHONE
−Groupby BUY_TYPE,
Relative Y
a
b
c
d
e
f
g
count
IS_PHONE
factor(BUY_TYPE)
a
b
c
d
e
f
g


IS_PHONE
−Groupby IS_PHONE ,
Fixed Y
a
b
NA
60000
40000
20000
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count
a
b
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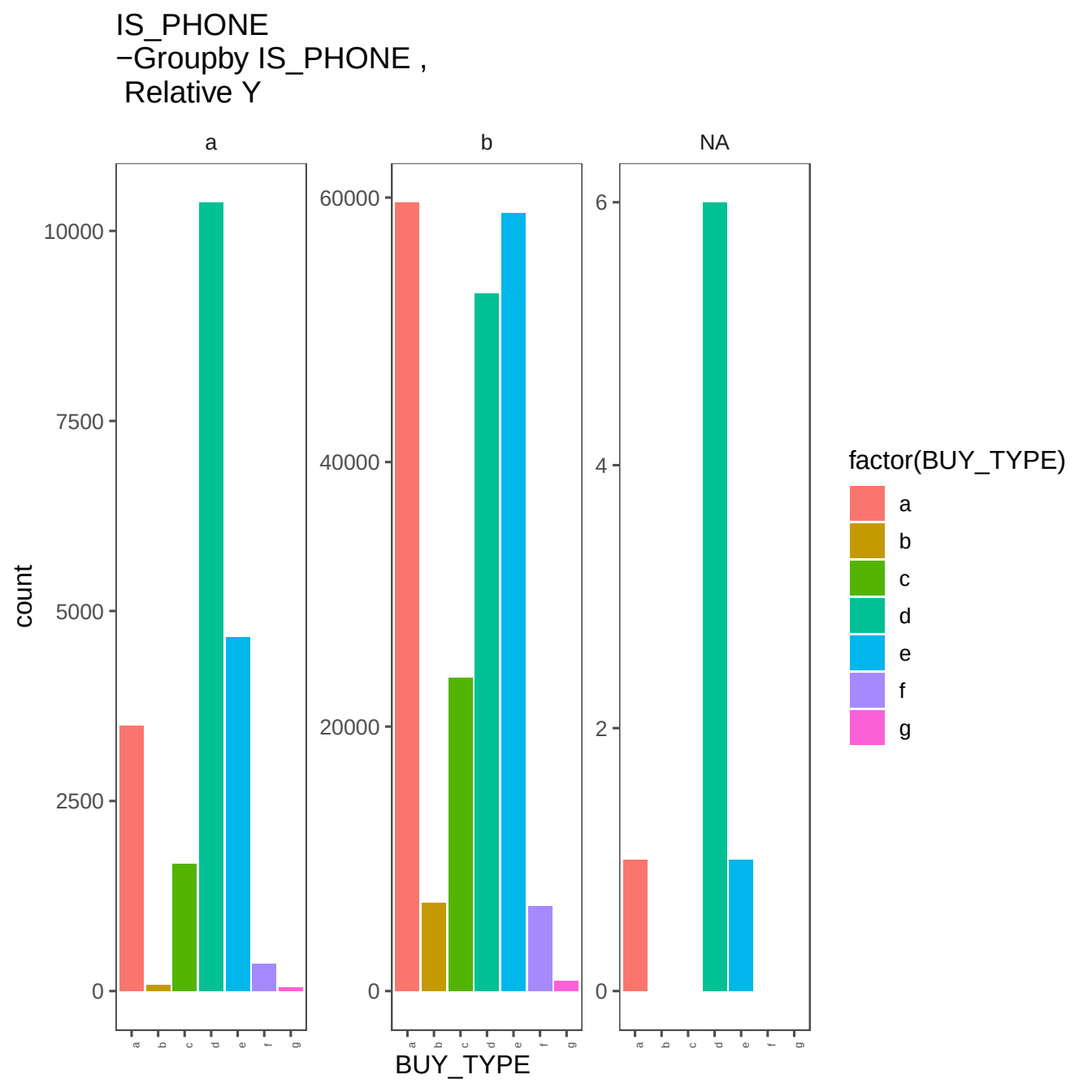
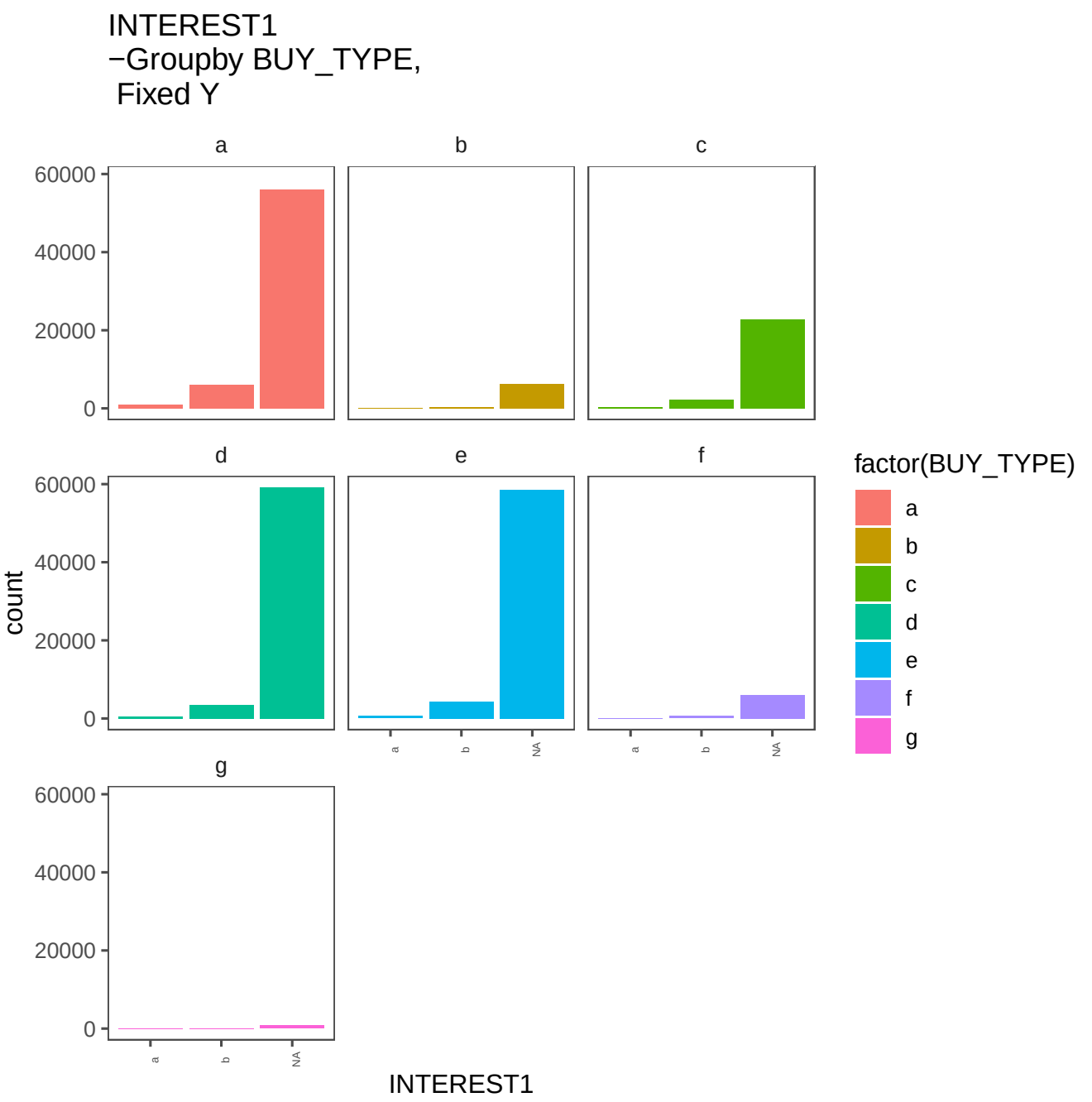
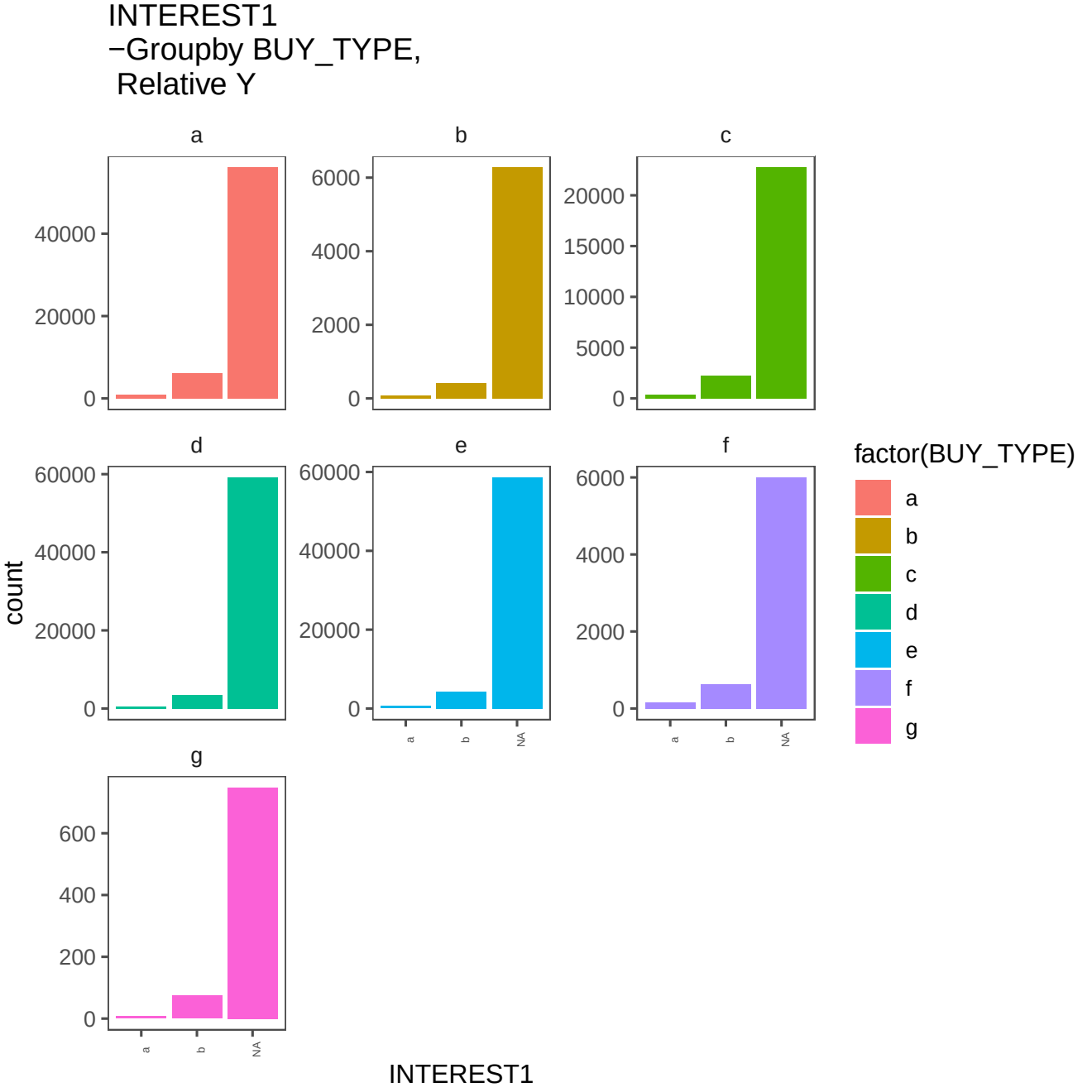
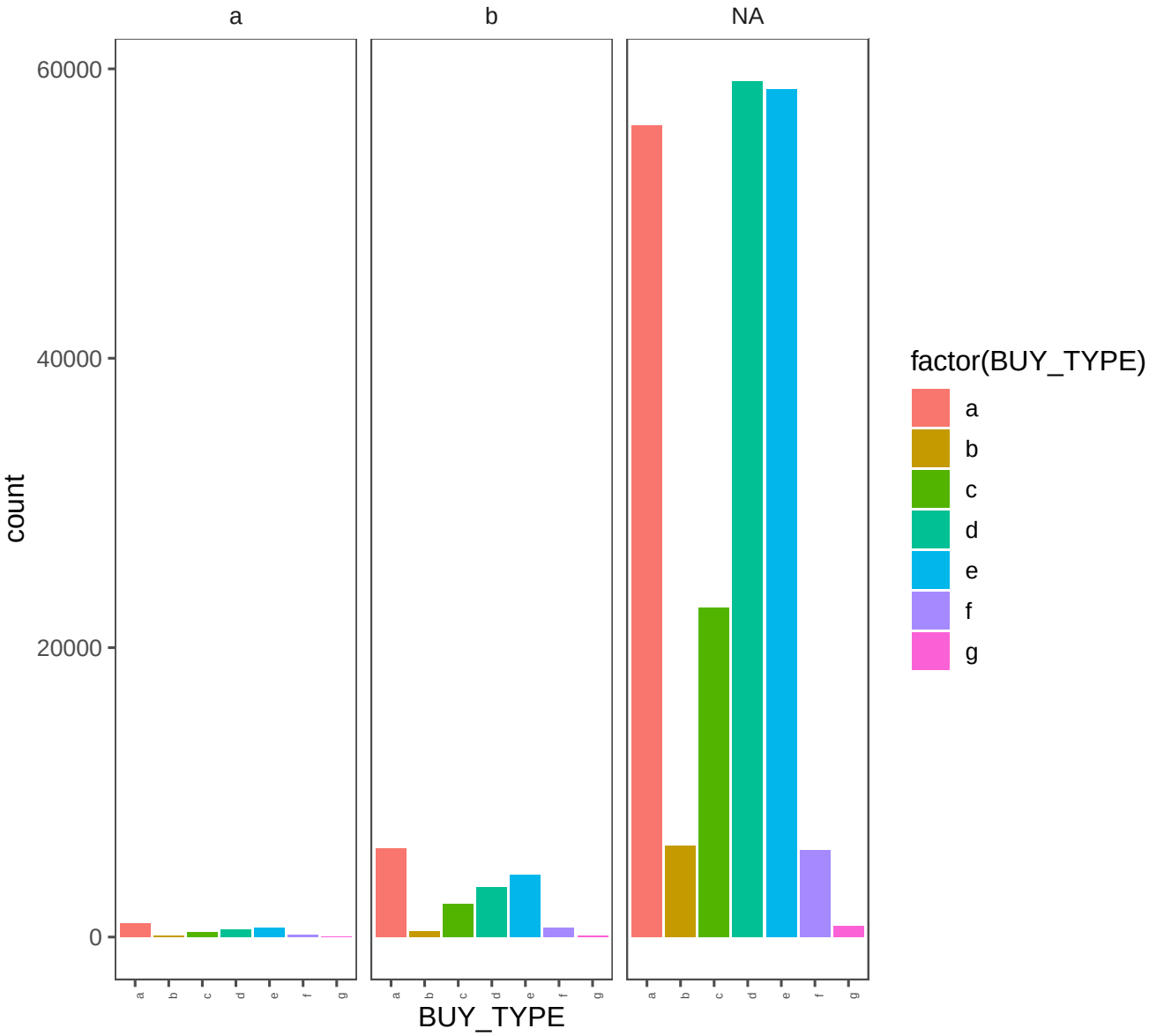
d
e
f
g
BUY_TYPE
factor(BUY_TYPE)
a
b
c
d
e
f
g


IS_PHONE
−Groupby IS_PHONE ,
Relative Y
a
b
NA
count
10000
7500
5000
2500
0
60000
40000
20000
0
6
4
2
0
a
b
c
d
e
f
g
BUY_TYPE
factor(BUY_TYPE)
a
b
c
d
e
f
g

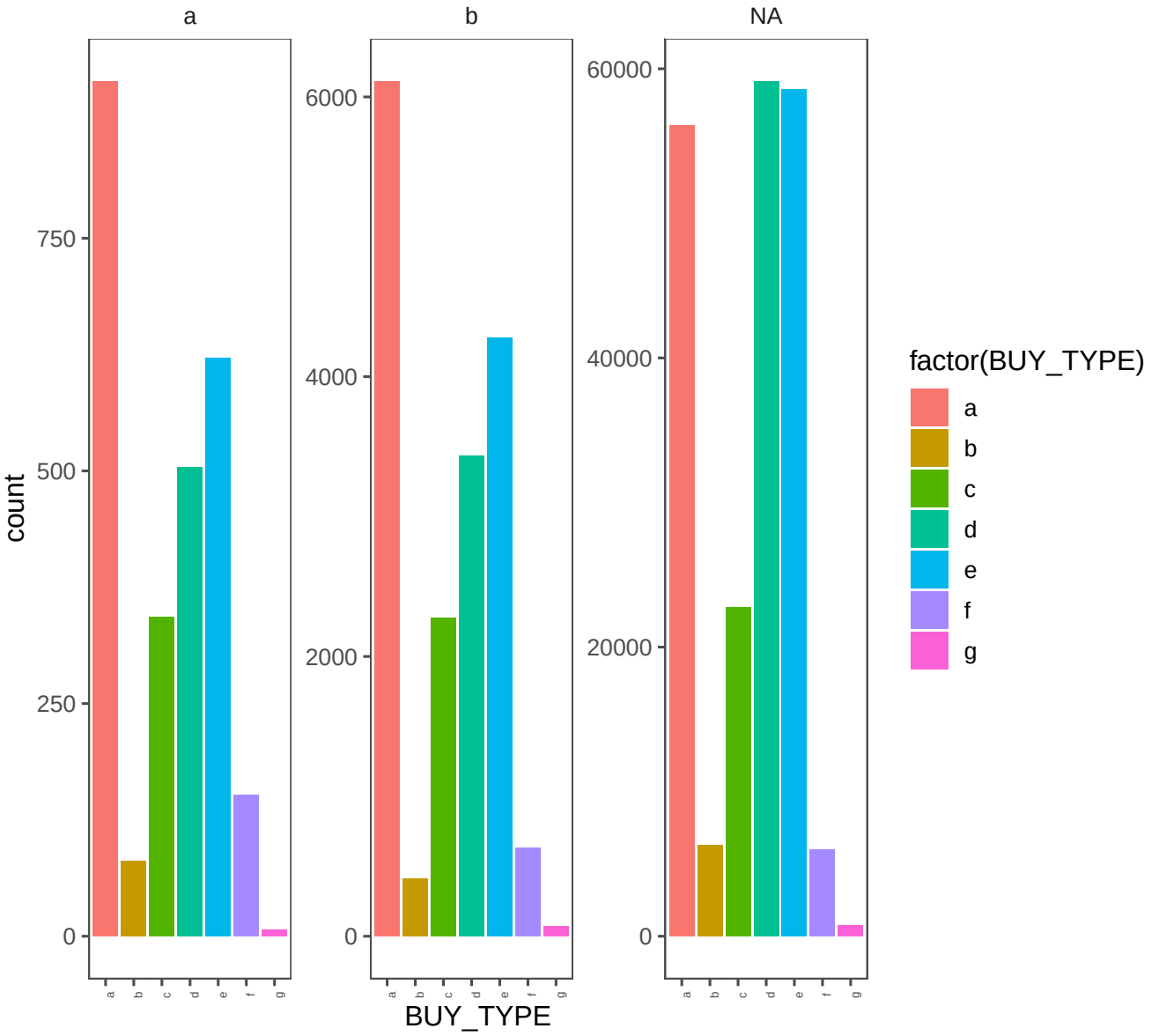

INTEREST1
−Groupby BUY_TYPE,
Fixed Y
a
b
c
d
e
f
g
60000
40000
20000
0
count
a
b
NA
INTEREST1
factor(BUY_TYPE)
a
b
c
d
e
f
g

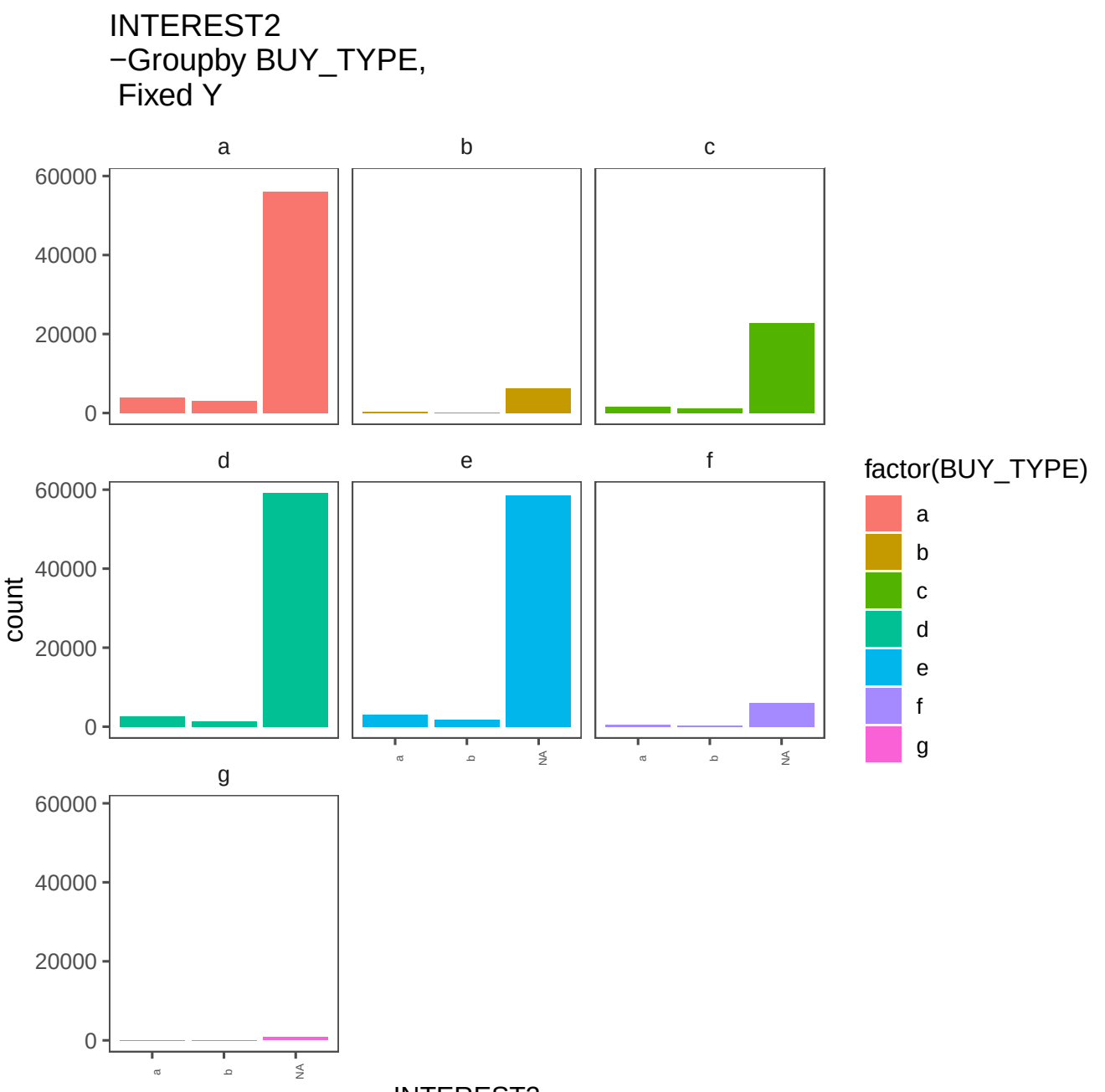

INTEREST1
−Groupby BUY_TYPE,
Relative Y
a
b
c
d
e
f
g
count
INTEREST1
factor(BUY_TYPE)
a
b
c
d
e
f
g
NA

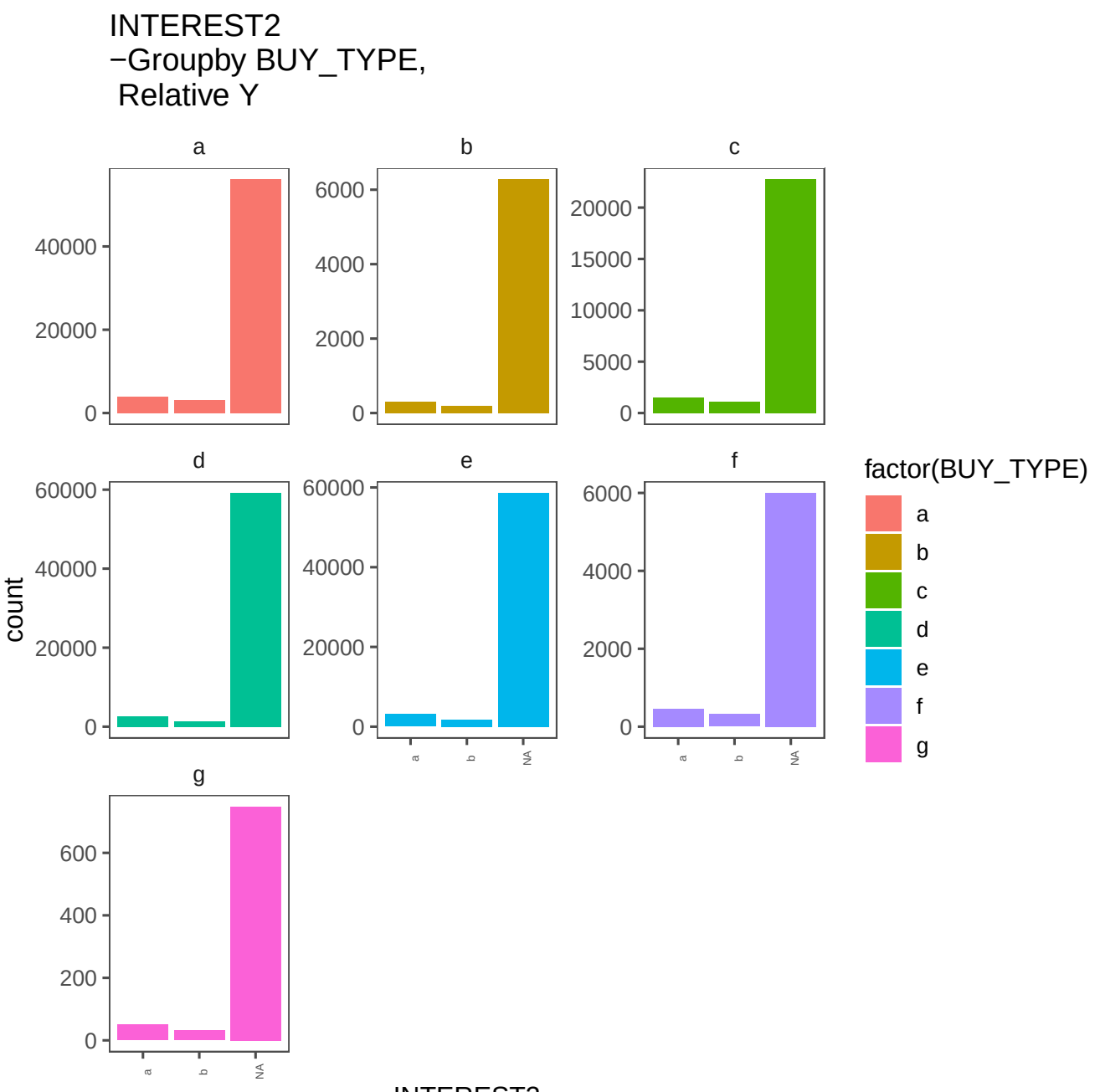
INTEREST1
−Groupby INTEREST1 ,
Fixed Y

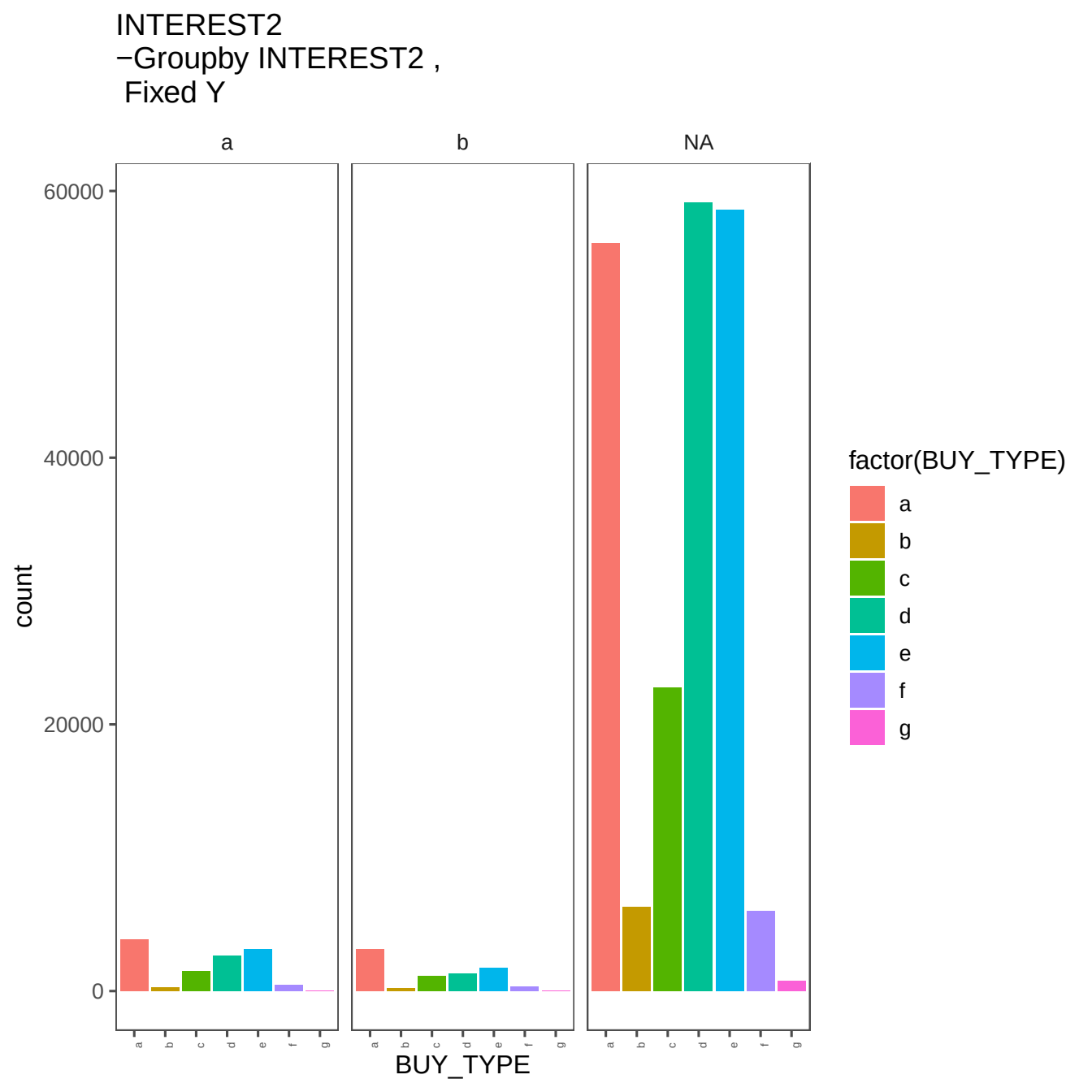


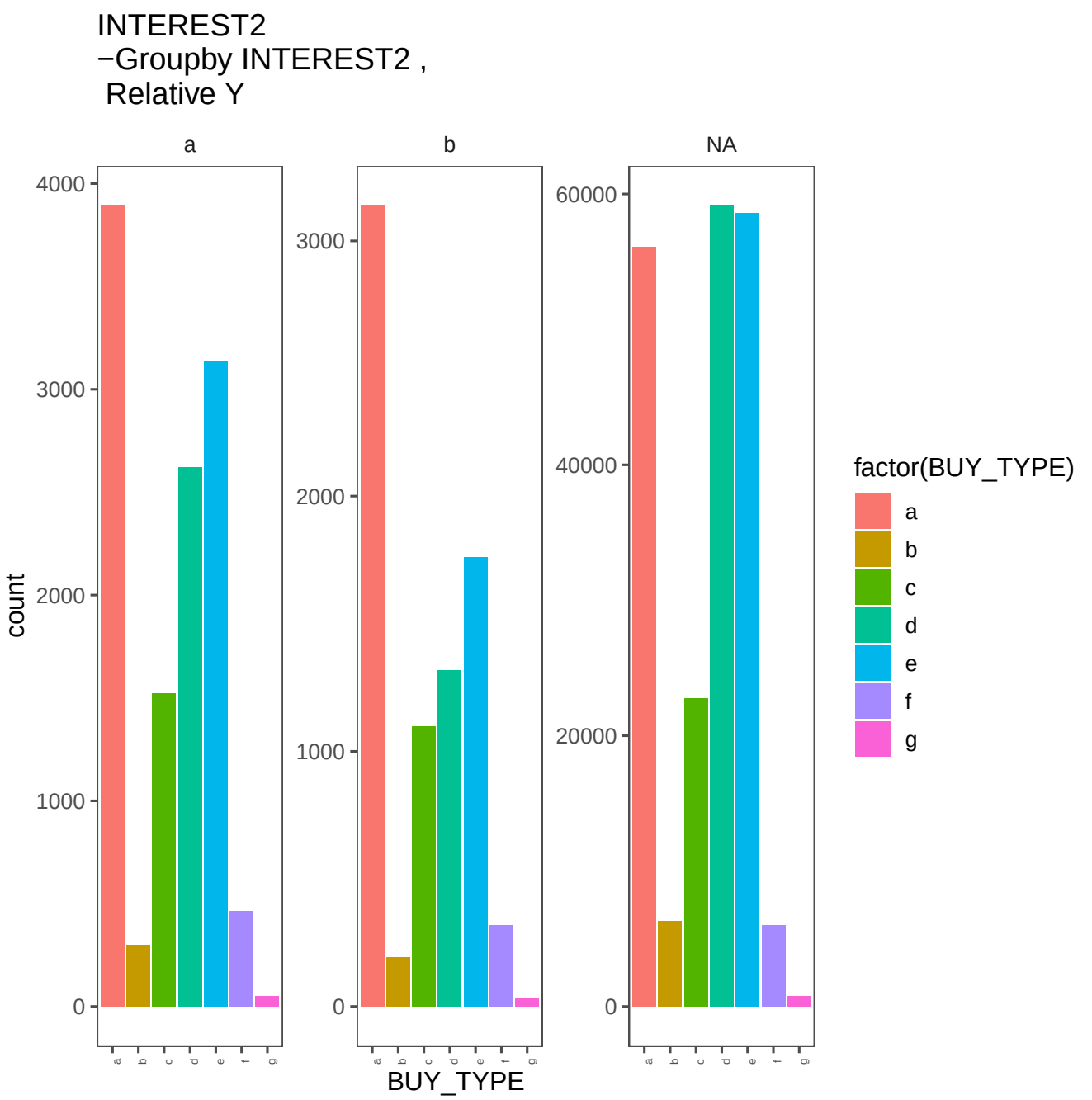
INTEREST1
−Groupby INTEREST1 ,
Relative Y

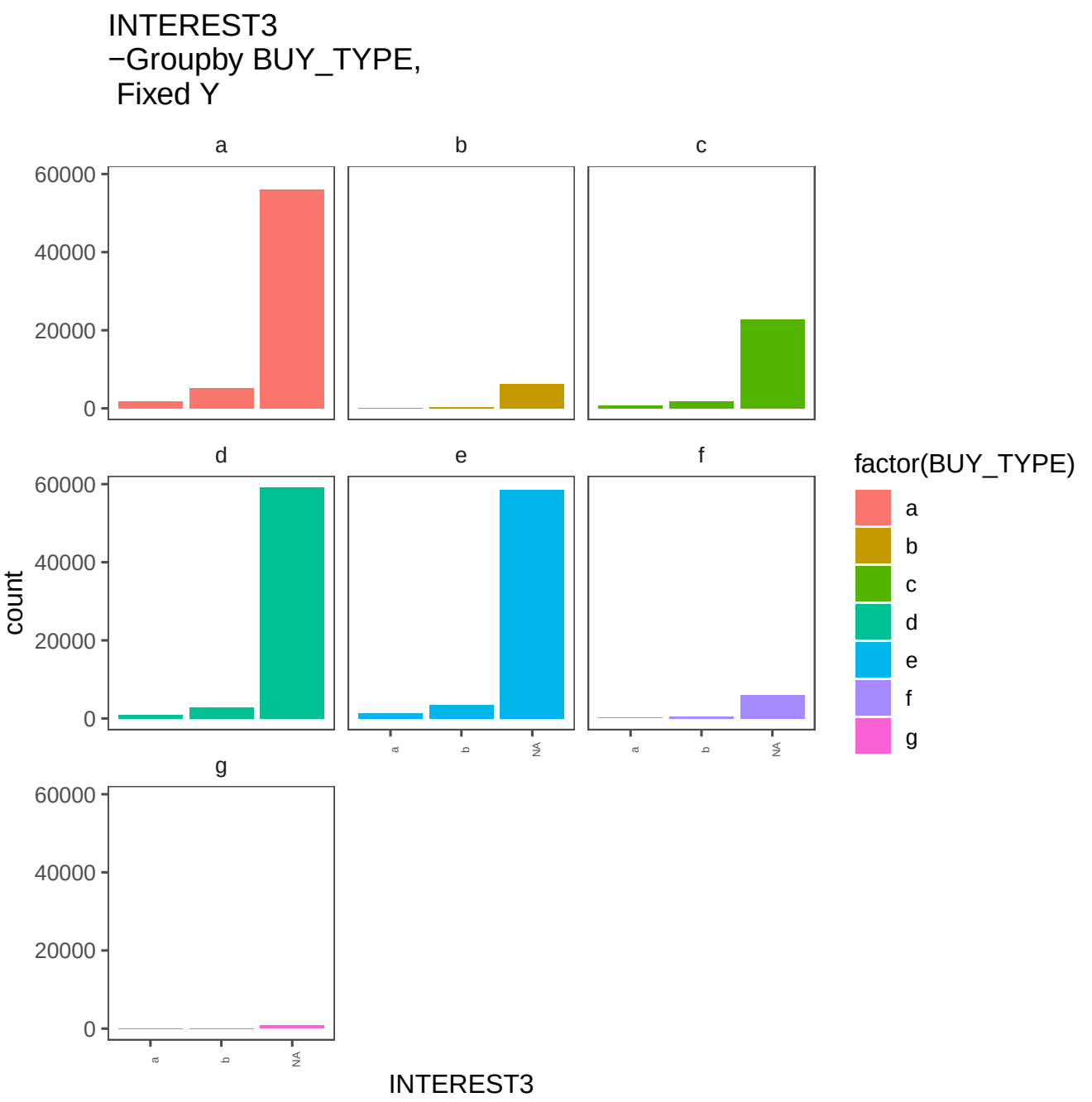


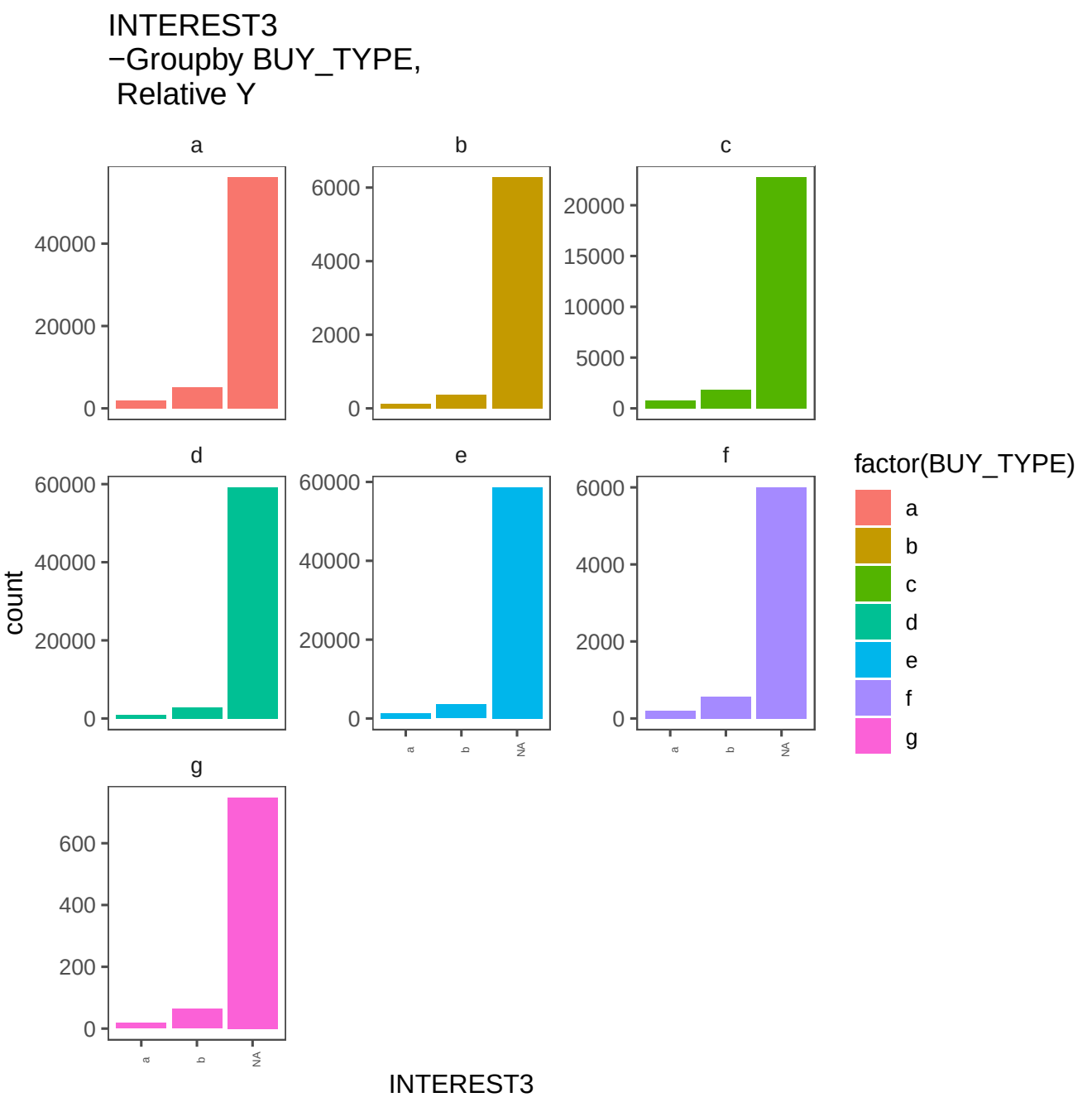

INTEREST2
−Groupby BUY_TYPE,
Fixed Y
a
b
c
d
e
f
g
60000
40000
20000
0
count
a
b
NA
INTEREST2
factor(BUY_TYPE)
a
b
c
d
e
f
g

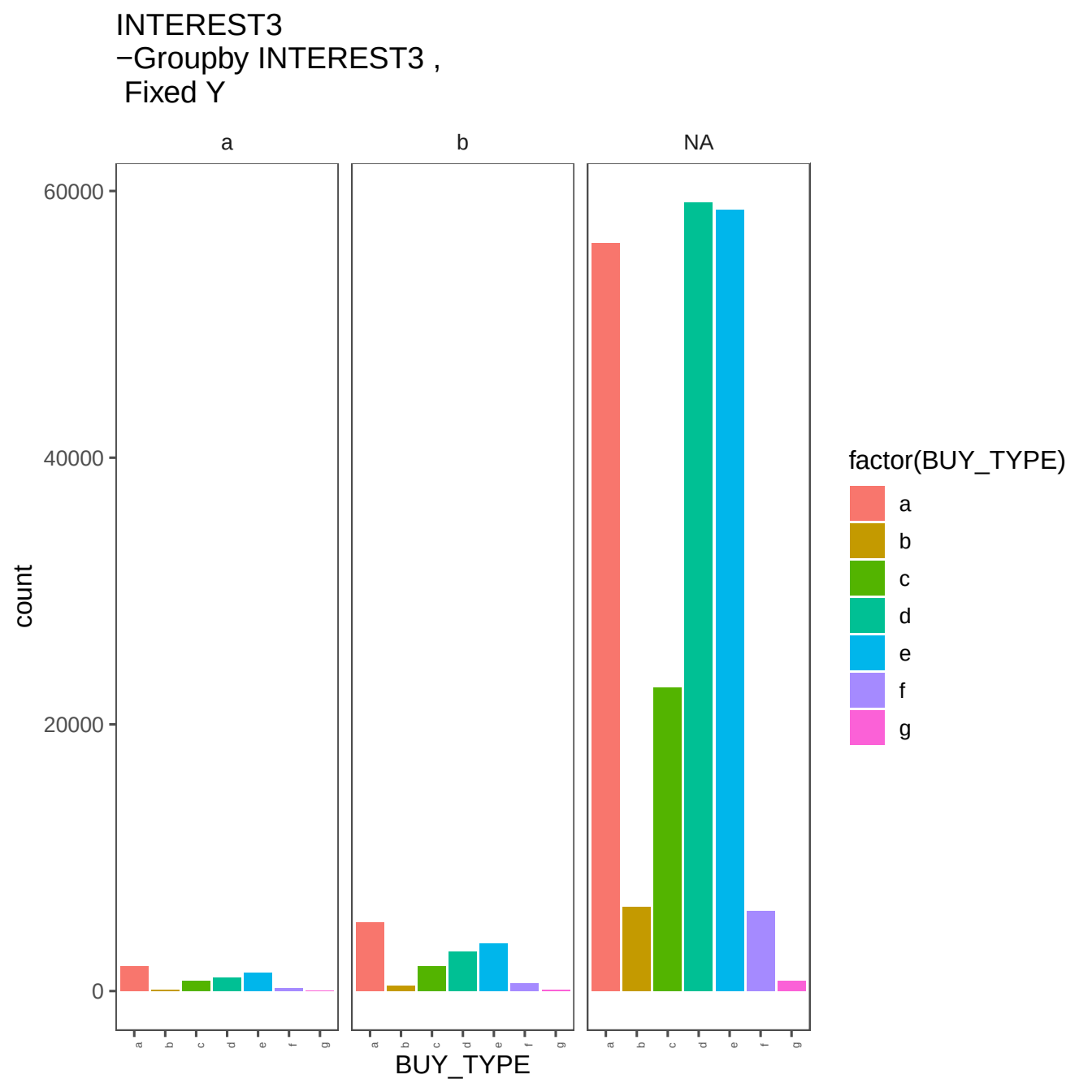

INTEREST2
−Groupby BUY_TYPE,
Relative Y
a
b
c
d
e
f
g
count
INTEREST2
factor(BUY_TYPE)
a
b
c
d
e
f
g
NA

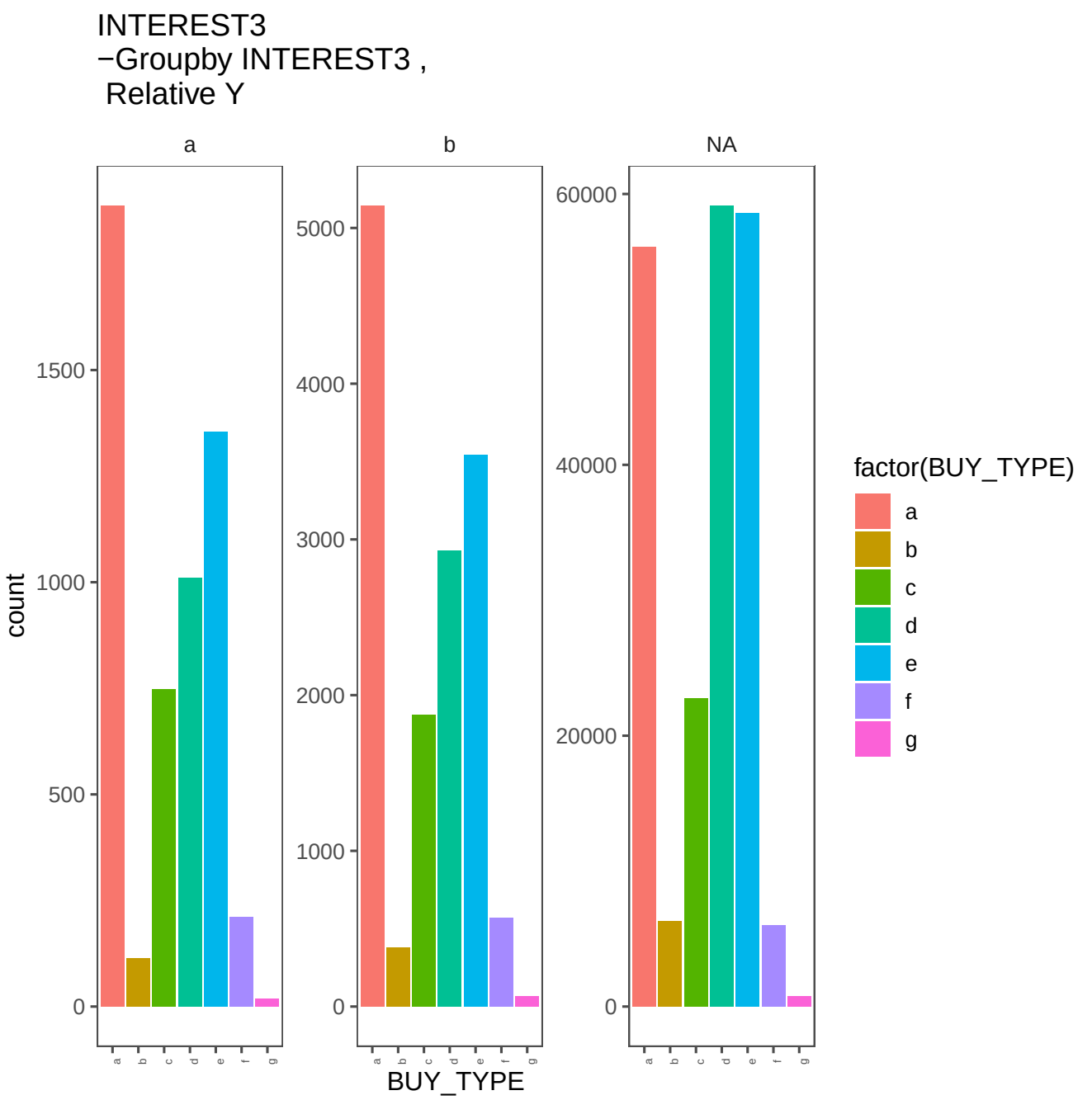

INTEREST2
−Groupby INTEREST2 ,
Fixed Y
a
b
NA
60000
40000
20000
0
count
a
b
c
d
e
f
g
BUY_TYPE
factor(BUY_TYPE)
a
b
c
d
e
f
g

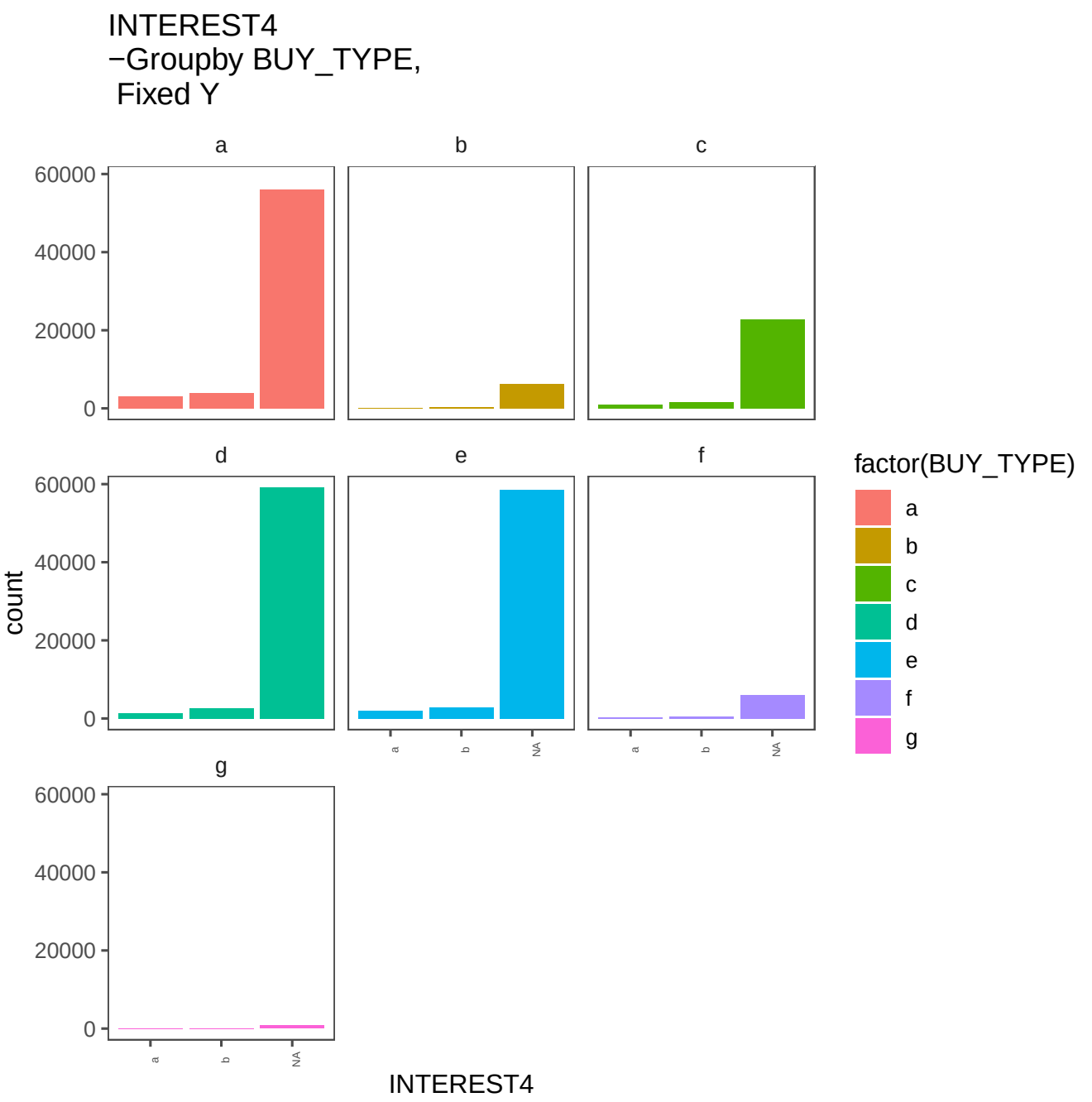

INTEREST2
−Groupby INTEREST2 ,
Relative Y
a
b
NA
count
4000
3000
2000
1000
0
60000
40000
20000
a
b
c
d
e
f
g
BUY_TYPE
factor(BUY_TYPE)

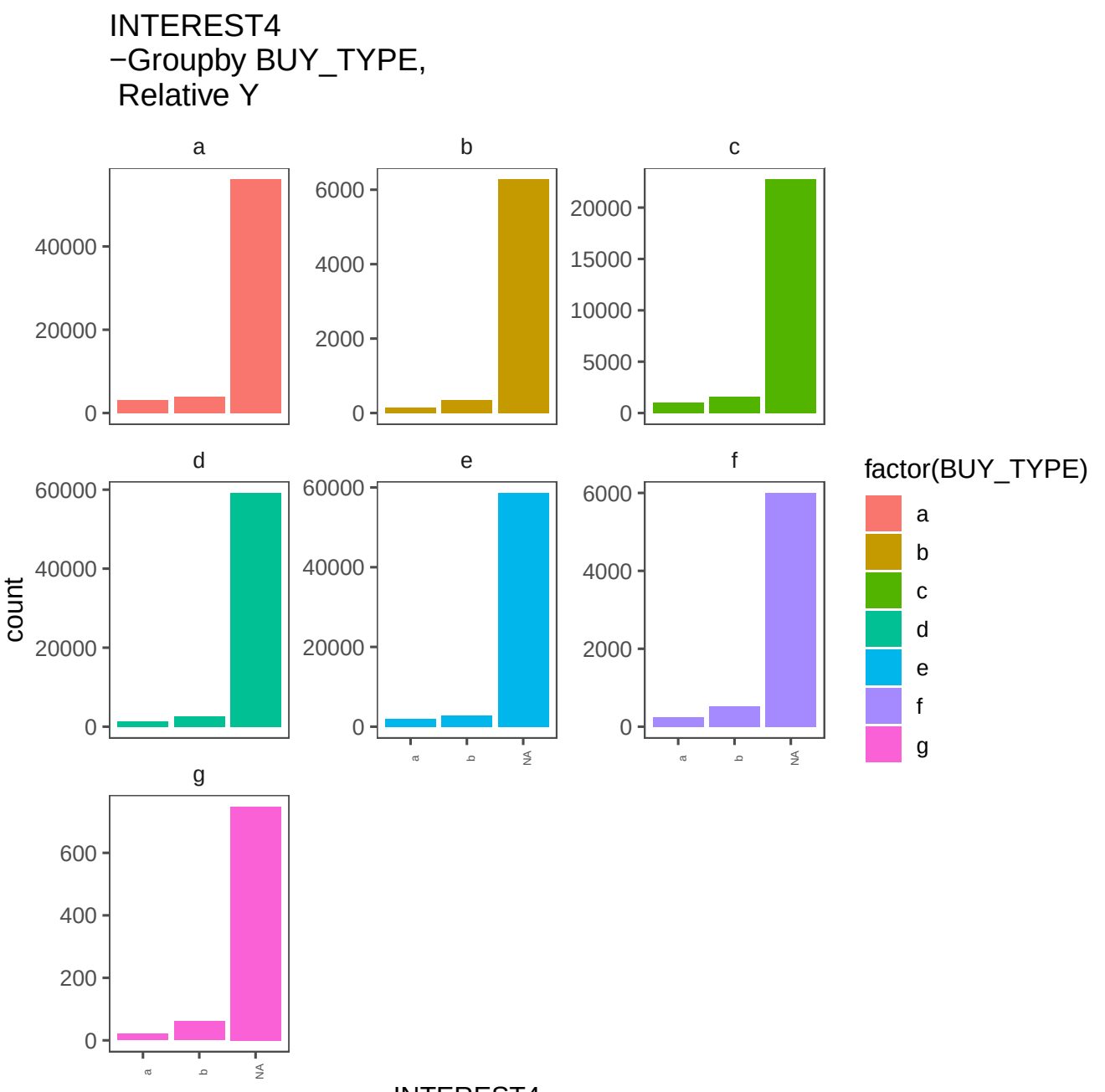

INTEREST3
−Groupby BUY_TYPE,
Fixed Y
a
b
c
d
e
f
g
60000
40000
20000
0
count
a
b
NA
INTEREST3
factor(BUY_TYPE)
a
b
c
d
e
f
g

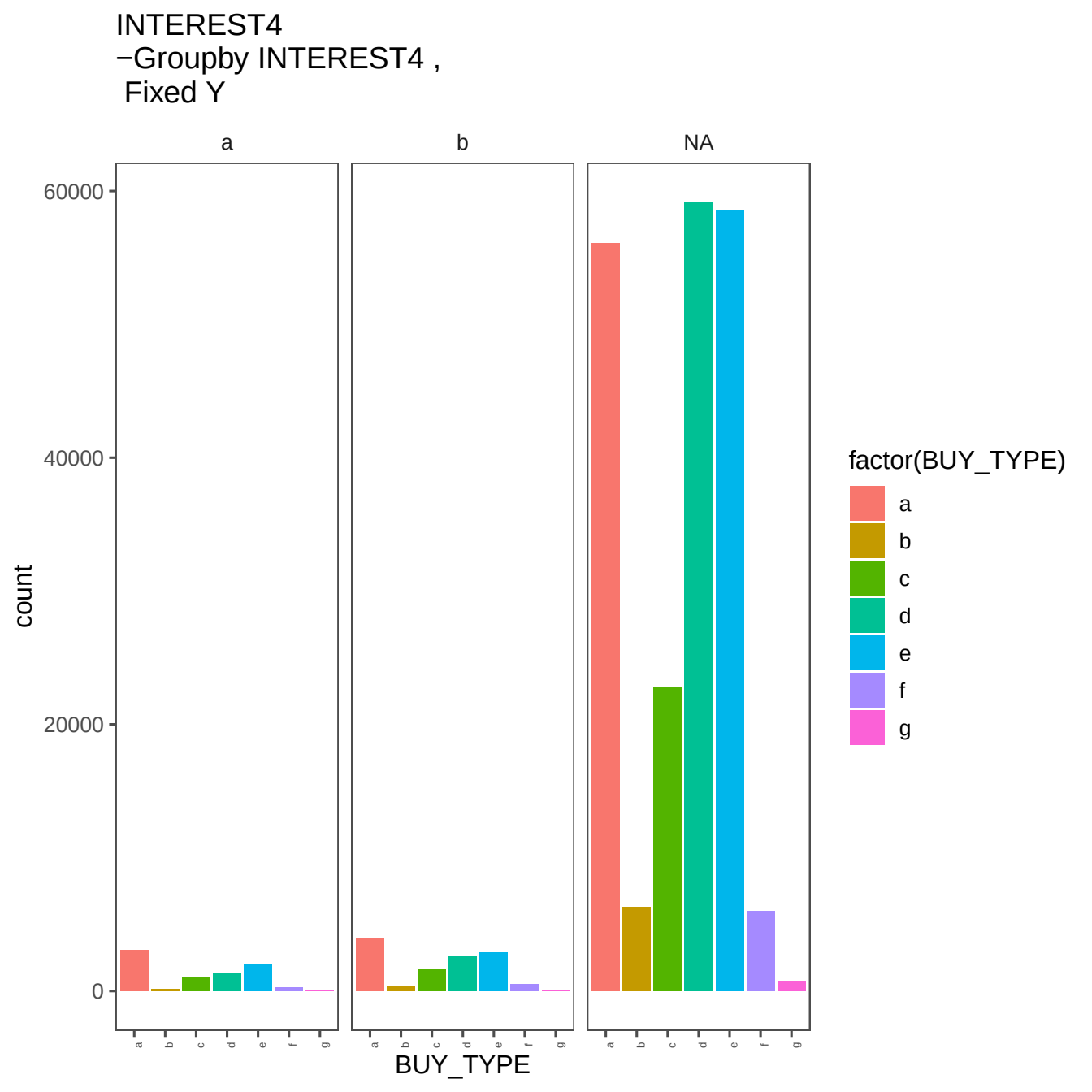

INTEREST3
−Groupby BUY_TYPE,
Relative Y
a
b
c
d
e
f
g
count
INTEREST3
factor(BUY_TYPE)
a
b
c
d
e
f
g
NA

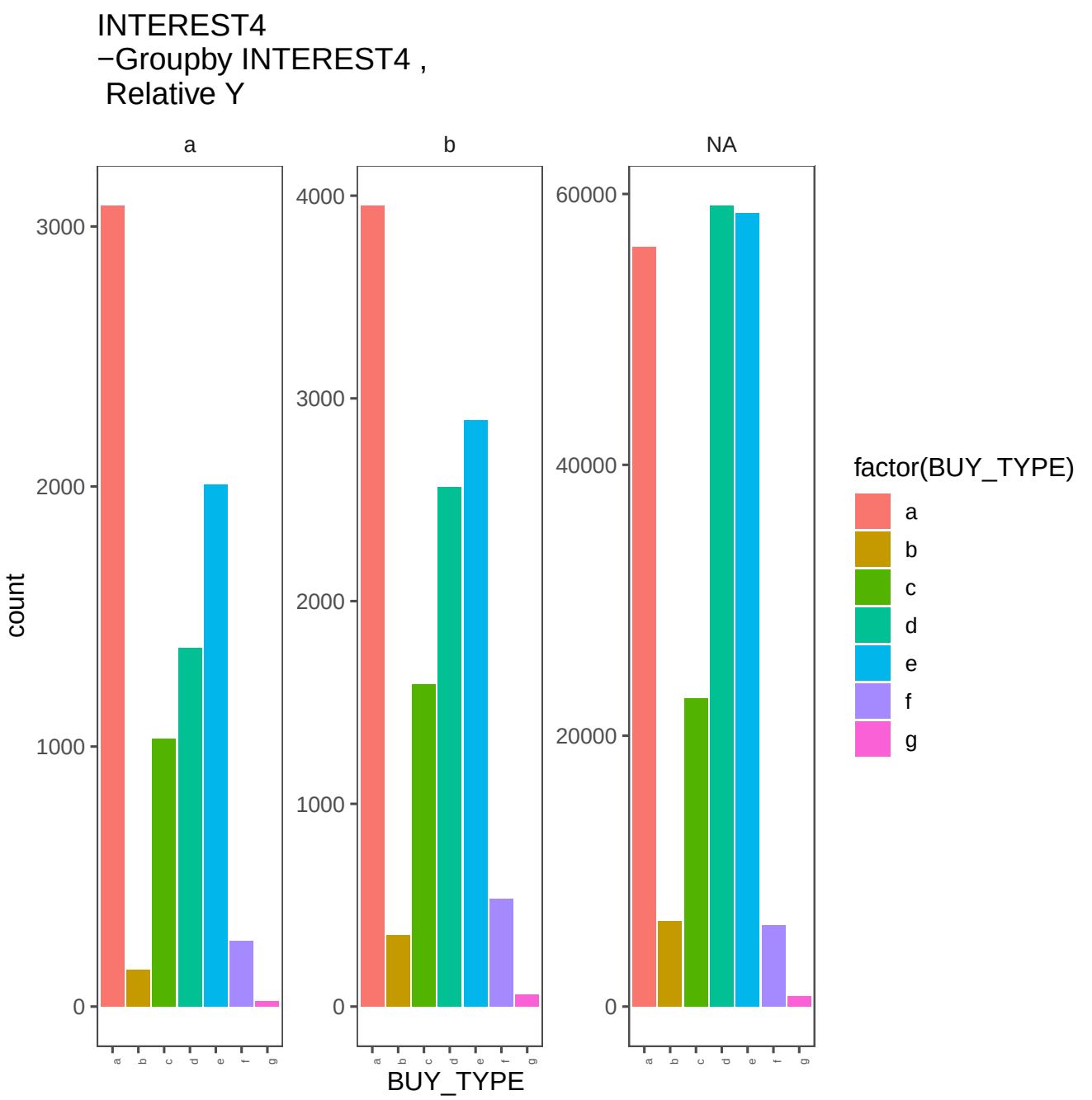

INTEREST3
−Groupby INTEREST3 ,
Fixed Y
a
b
NA
60000
40000
20000
0
count
a
b
c
d
e
f
g
BUY_TYPE
factor(BUY_TYPE)
a
b
c
d
e
f
g

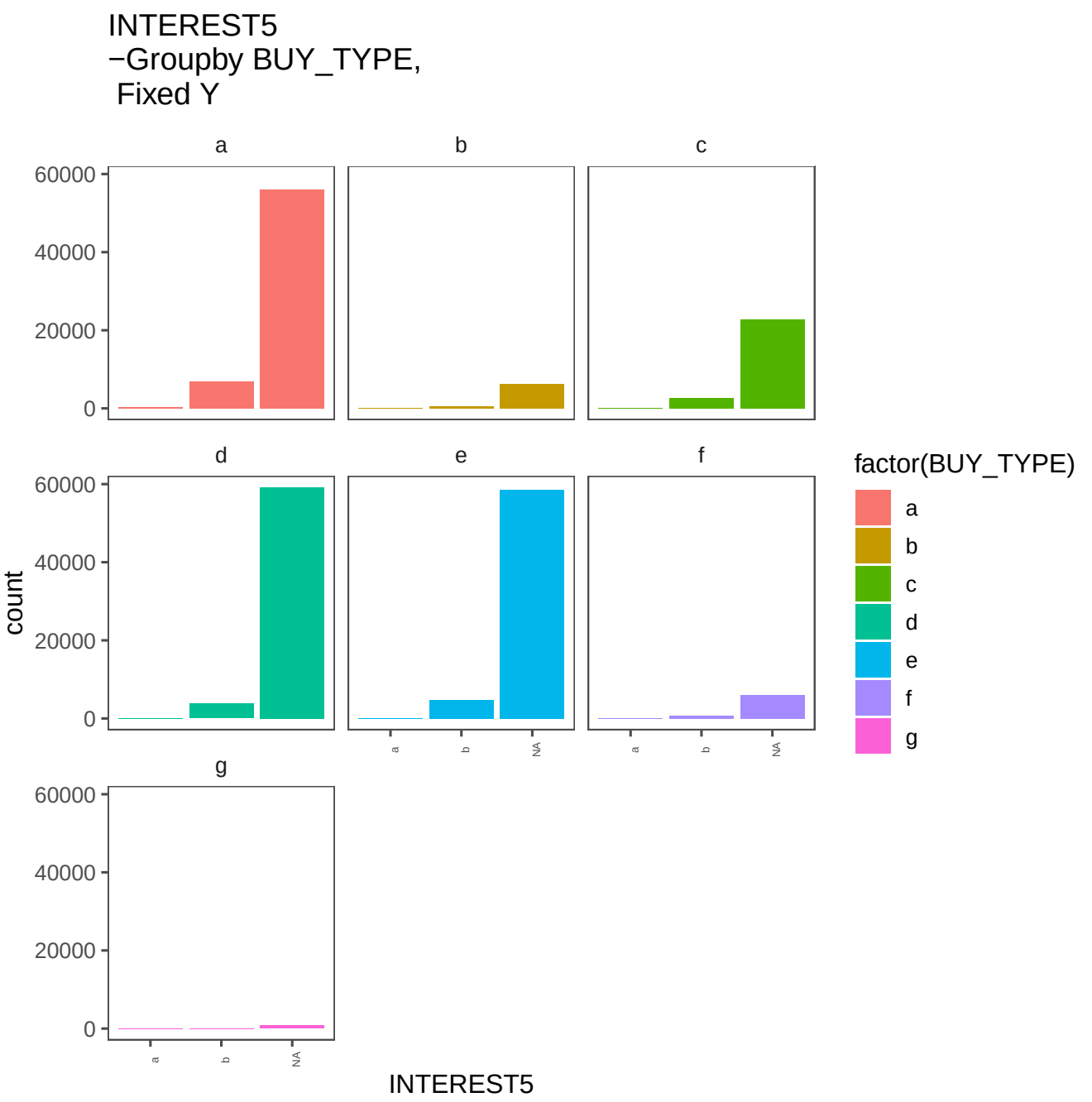

INTEREST3
−Groupby INTEREST3 ,
Relative Y
a
b
NA
count
1500
1000
500
0
5000
4000
3000
2000
1000
0
60000
40000
20000
0
a
b
c
d
e
f
g
BUY_TYPE
factor(BUY_TYPE)
a
b
c
d
e
f
g

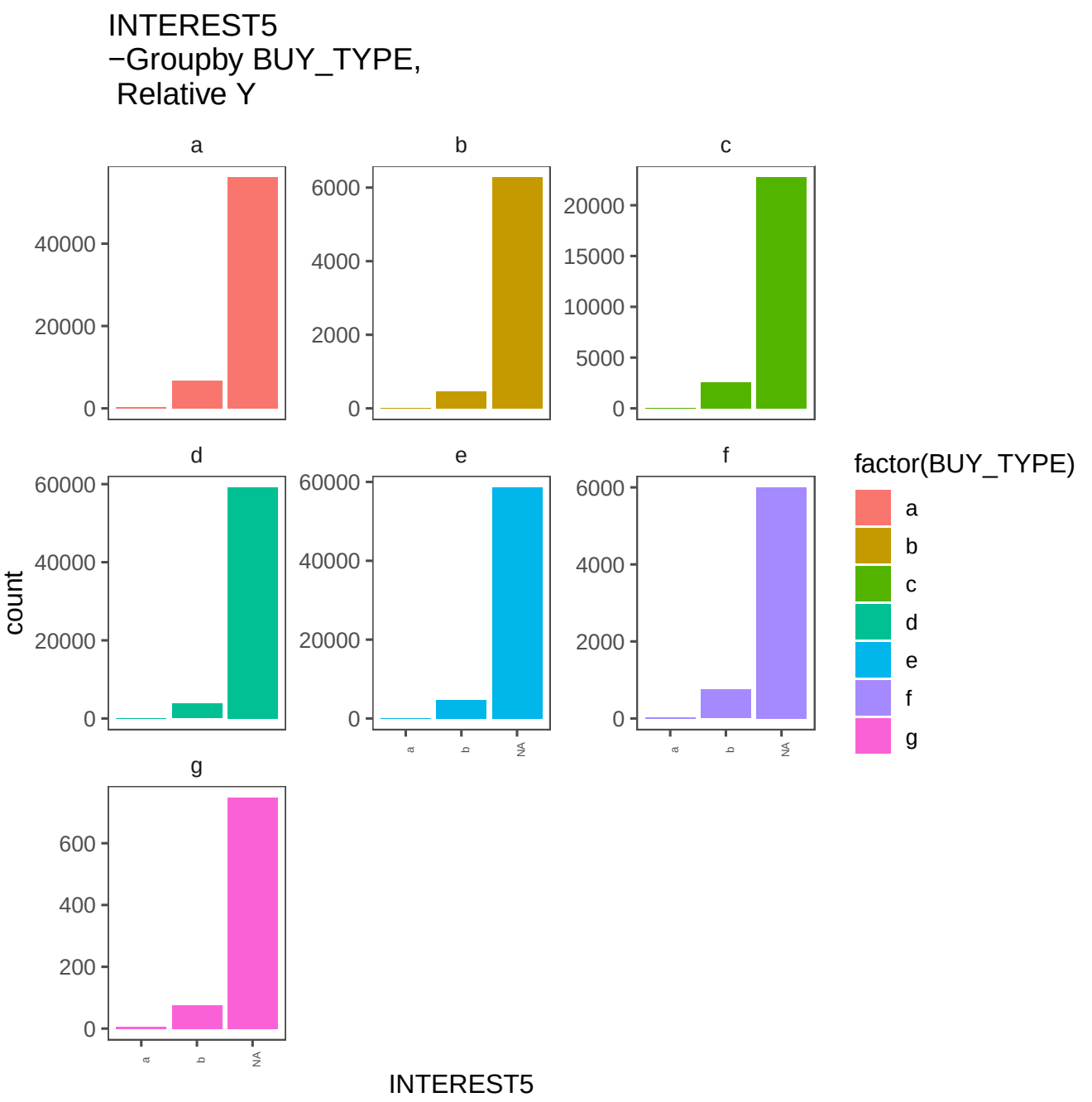

INTEREST4
−Groupby BUY_TYPE,
Fixed Y
a
b
c
d
e
f
g
60000
40000
20000
0
count
a
b
NA
INTEREST4
factor(BUY_TYPE)
a
b
c
d
e
f
g

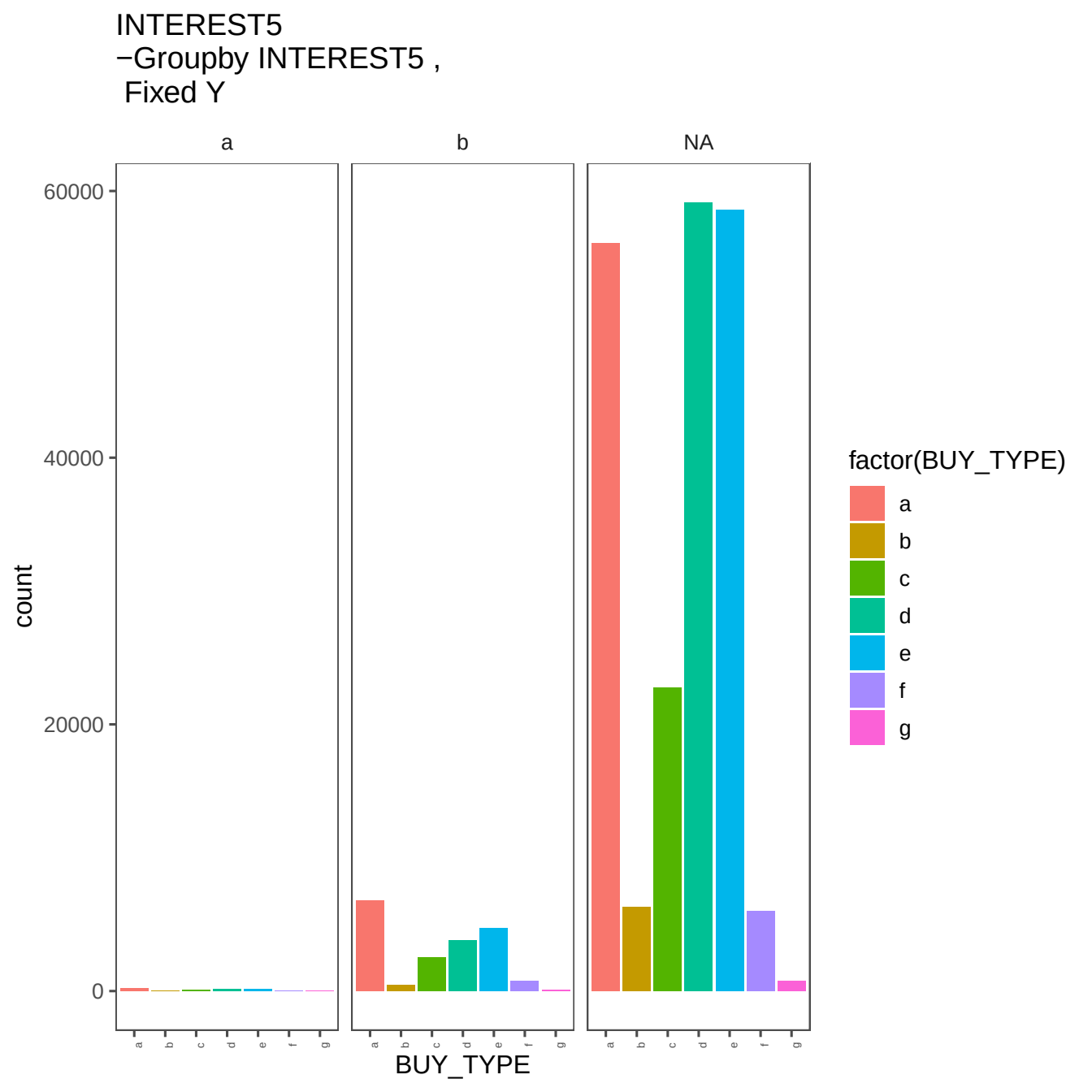

INTEREST4
−Groupby BUY_TYPE,
Relative Y
a
b
c
d
e
f
g
count
INTEREST4
factor(BUY_TYPE)
a
b
c
d
e
f
g
NA


INTEREST4
−Groupby INTEREST4 ,
Fixed Y
a
b
NA
60000
40000
20000
0
count
a
b
c
d
e
f
g
BUY_TYPE
factor(BUY_TYPE)
a
b
c
d
e
f
g

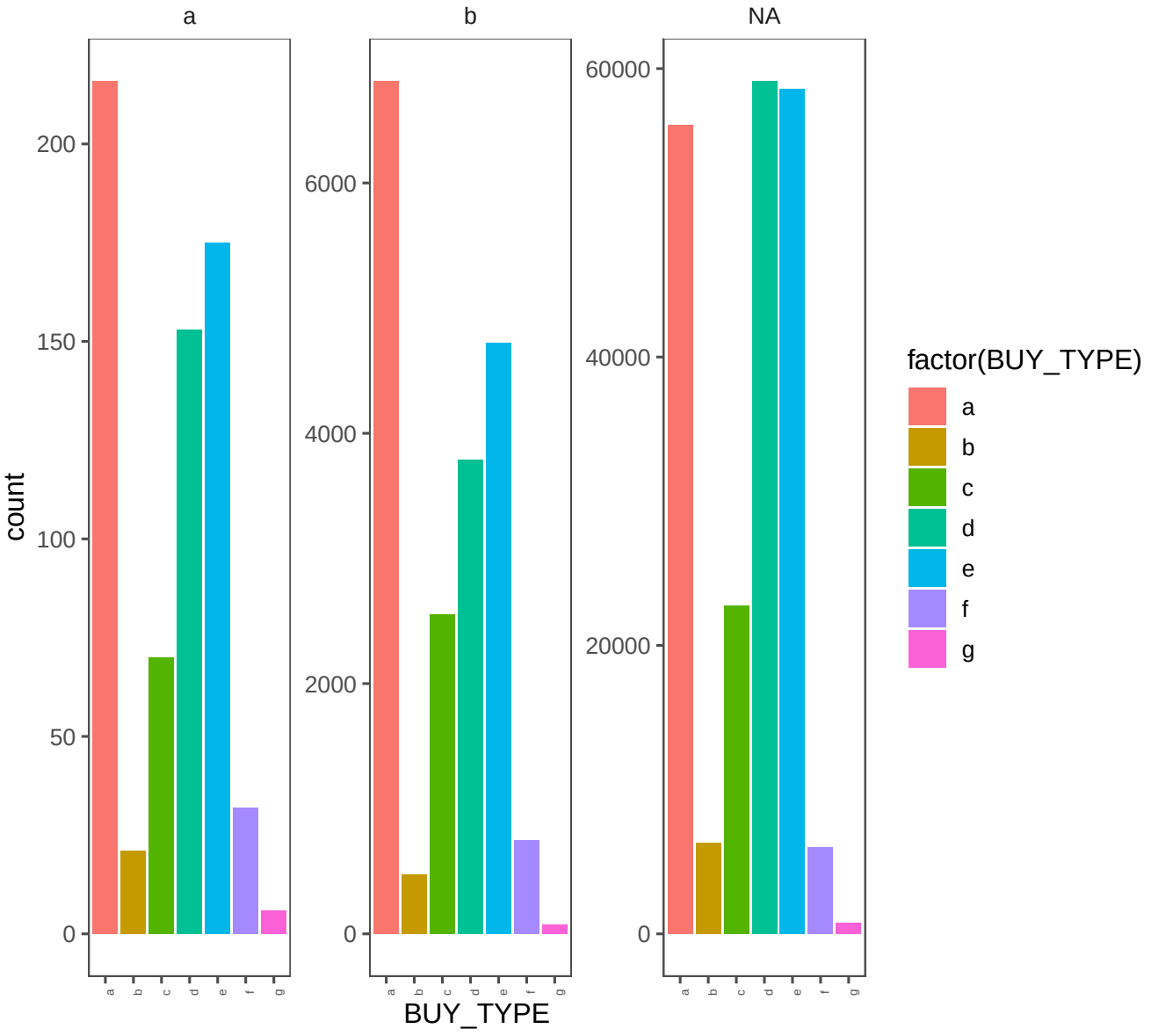

INTEREST4
−Groupby INTEREST4 ,
Relative Y
a
b
NA
count
3000
2000
1000
0
4000
3000
2000
1000
0
60000
40000
20000
0
a
b
c
d
e
f
g
BUY_TYPE
factor(BUY_TYPE)
a
b
c
d
e
f
g

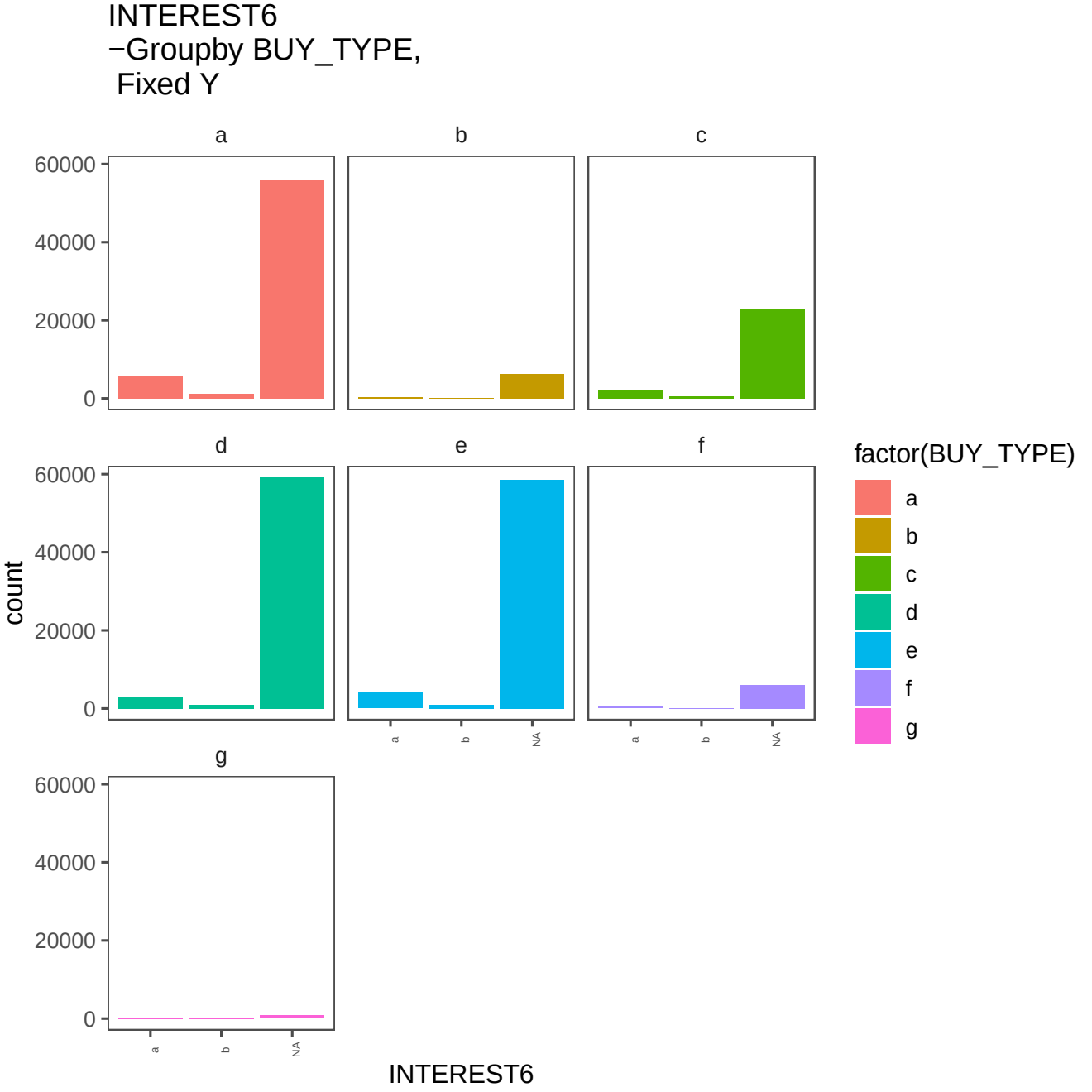

INTEREST5
−Groupby BUY_TYPE,
Fixed Y
a
b
c
d
e
f
g
60000
40000
20000
0
count
a
b
NA
INTEREST5
factor(BUY_TYPE)
a
b
c
d
e
f
g

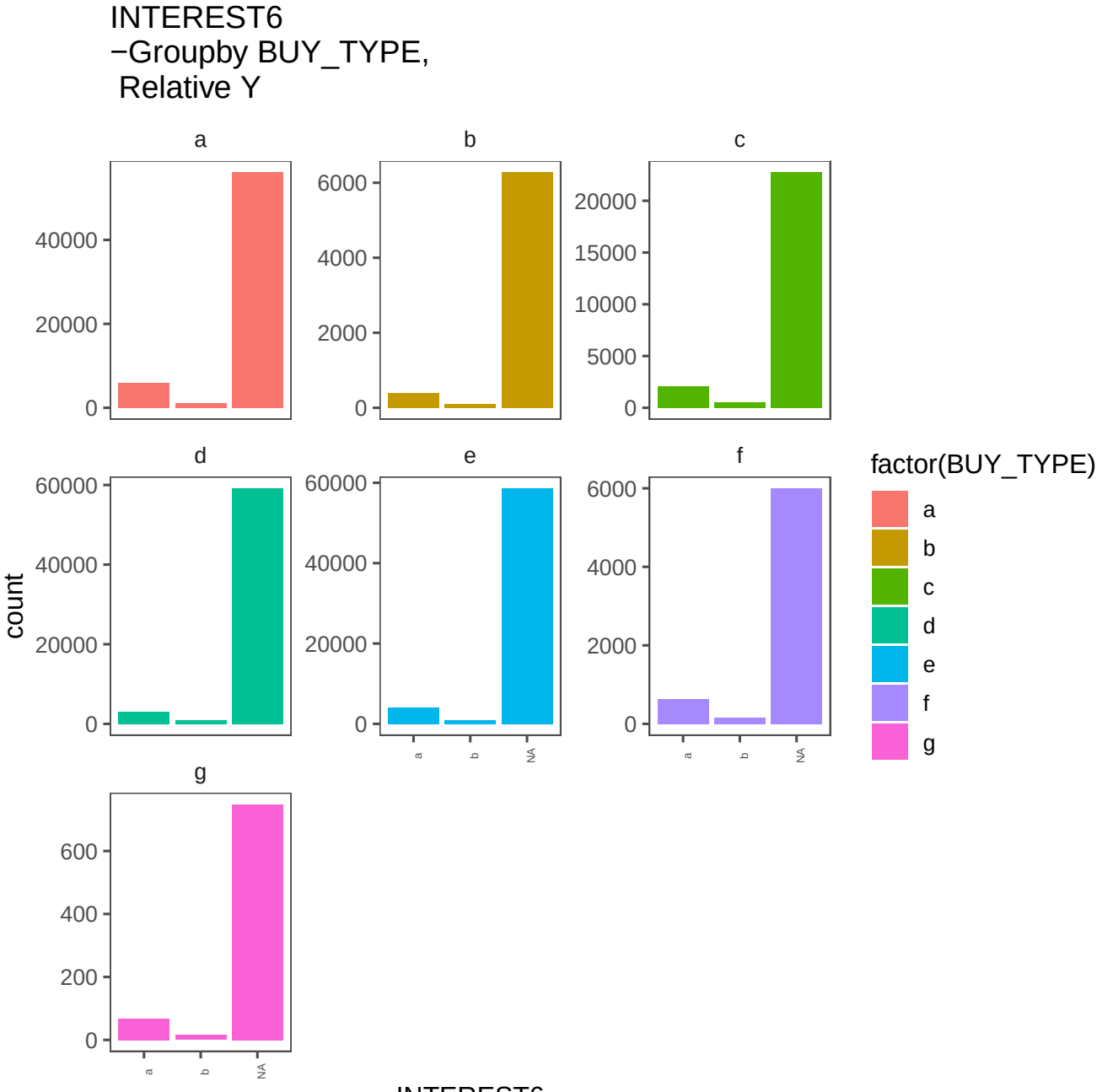

INTEREST5
−Groupby BUY_TYPE,
Relative Y
a
b
c
d
e
f
g
count
INTEREST5
factor(BUY_TYPE)
a
b
c
d
e
f
g
NA

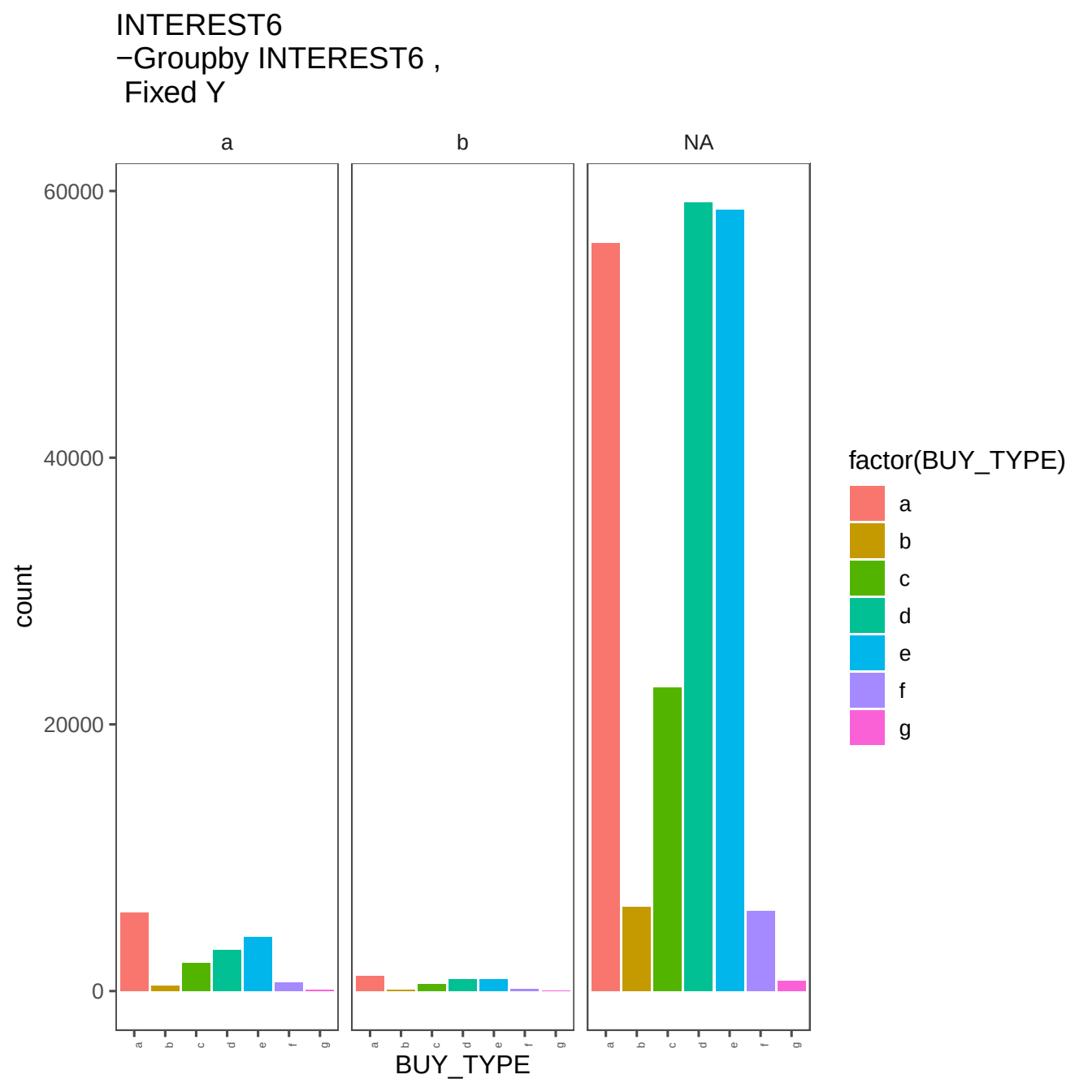

INTEREST5
−Groupby INTEREST5 ,
Fixed Y
a
b
NA
60000
40000
20000
0
count
a
b
c
d
e
f
g
BUY_TYPE
factor(BUY_TYPE)
a
b
c
d
e
f
g

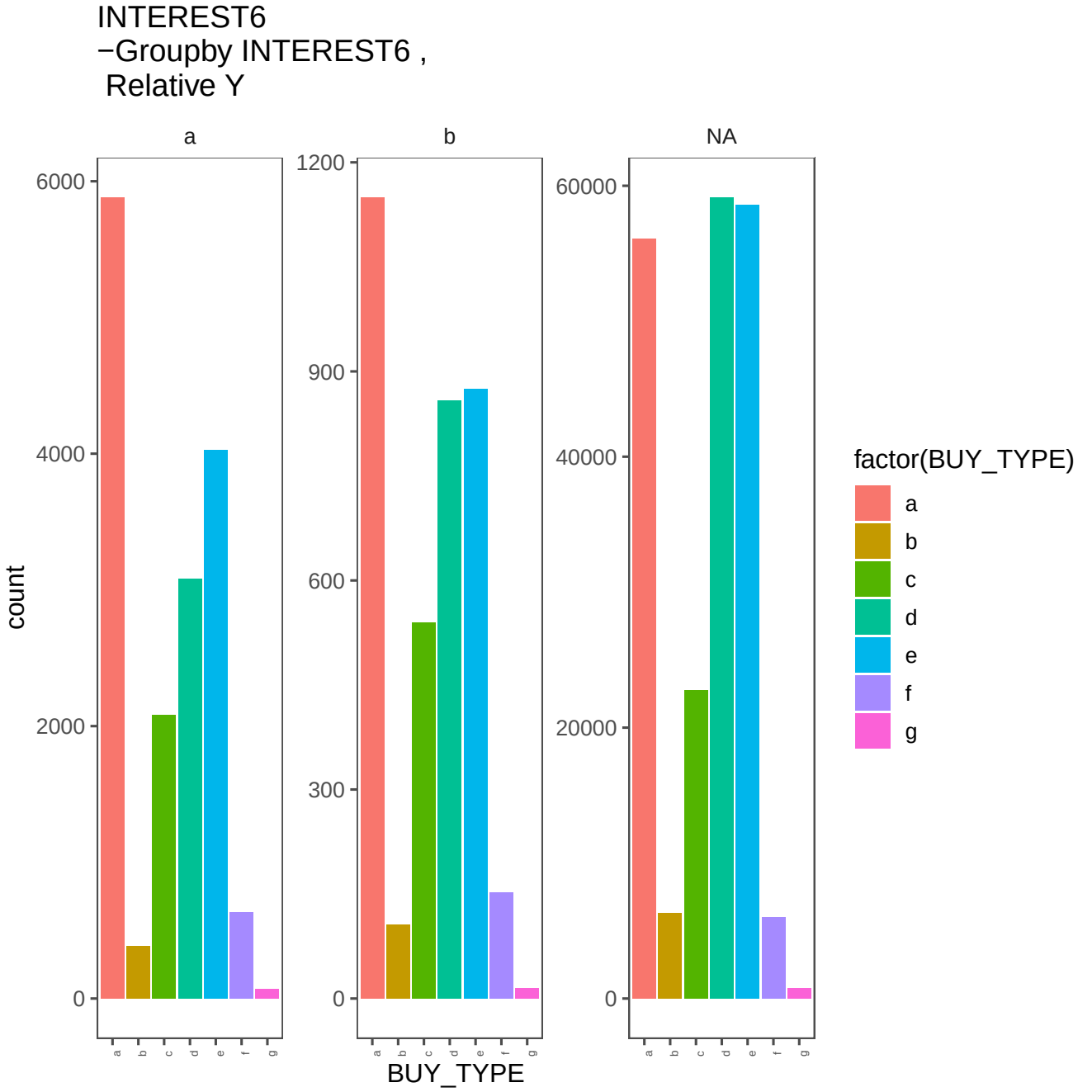
INTEREST5
−Groupby INTEREST5 ,
Relative Y

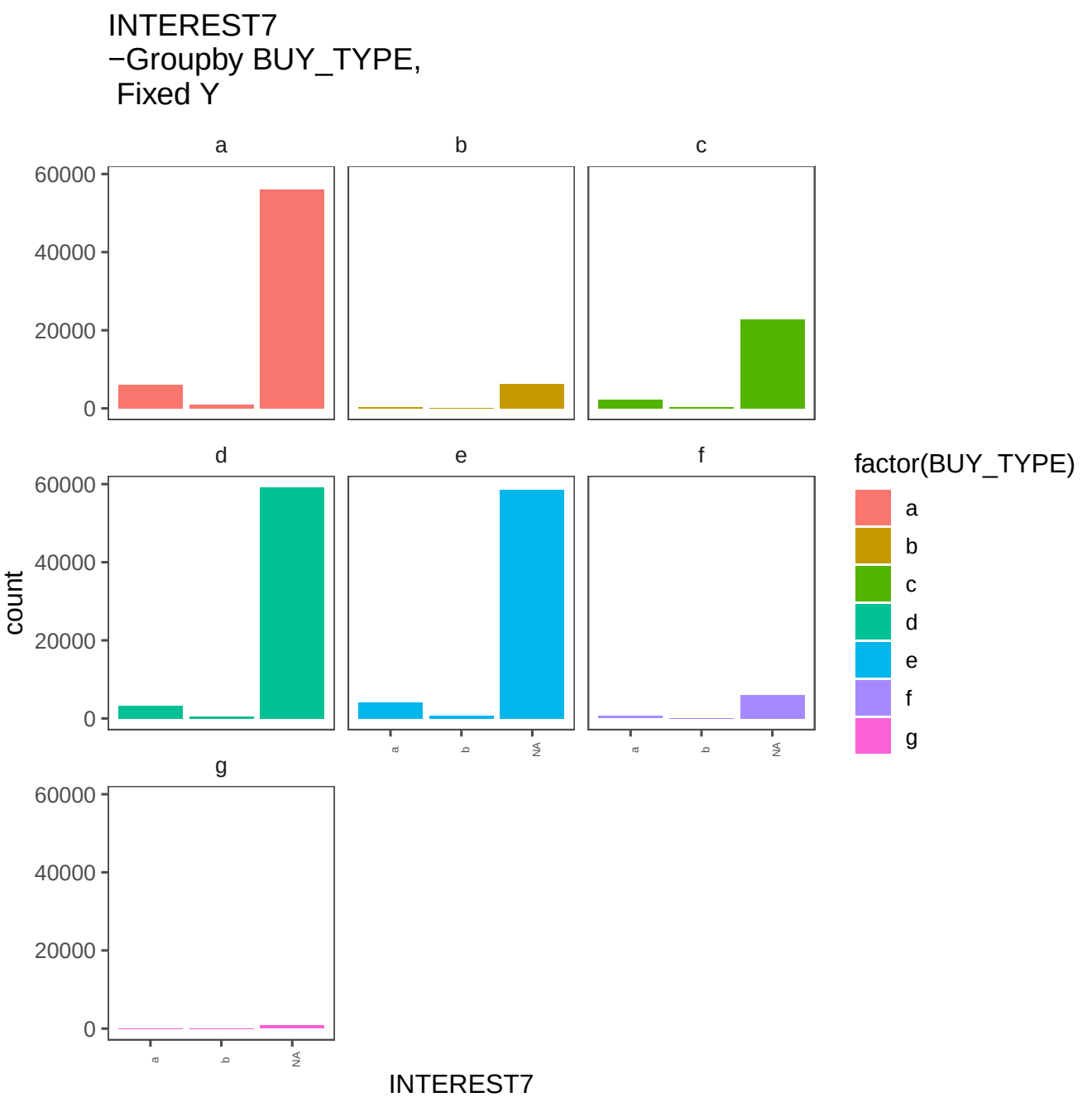


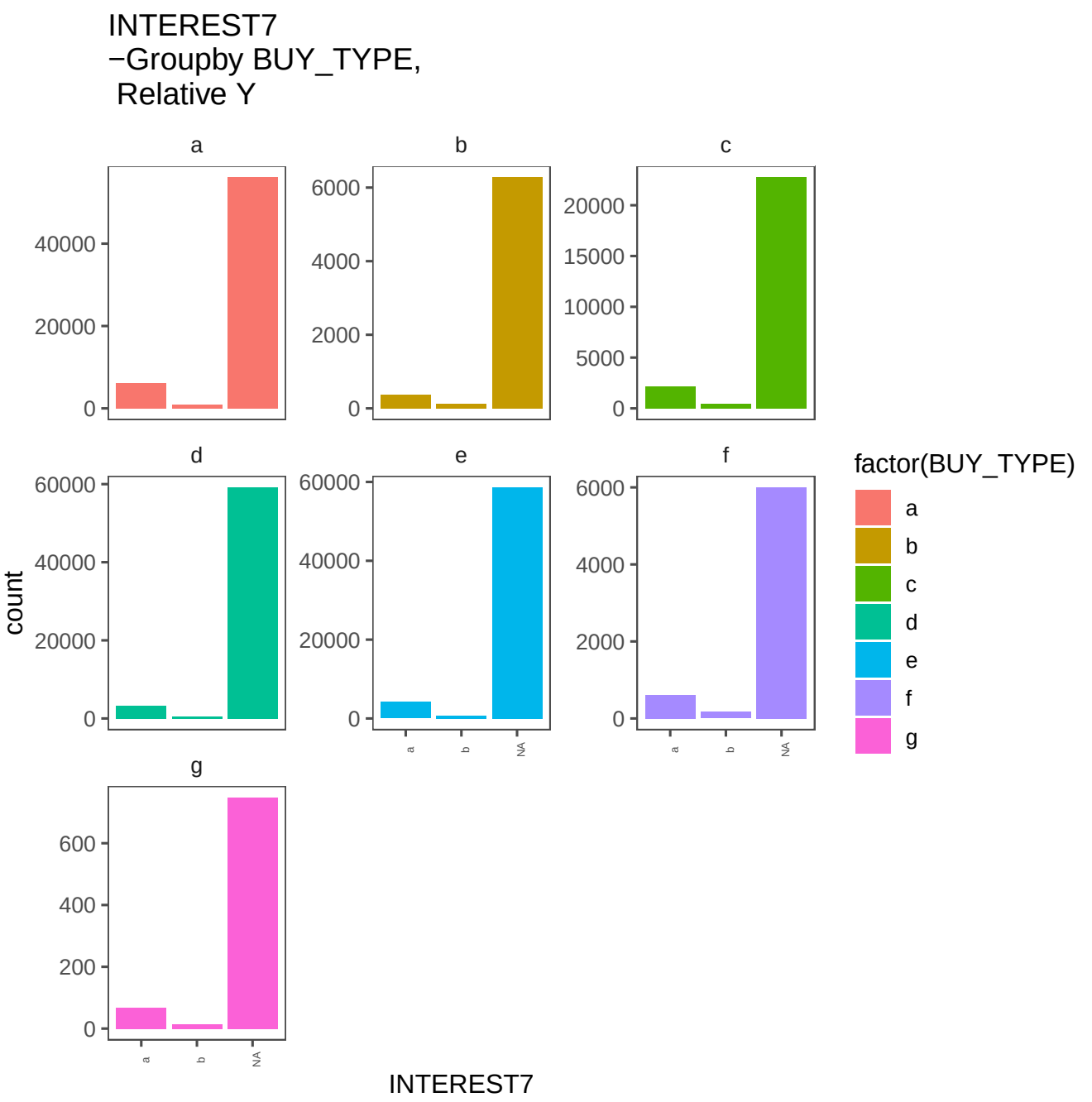

INTEREST6
−Groupby BUY_TYPE,
Fixed Y
a
b
c
d
e
f
g
60000
40000
20000
0
count
a
b
NA
INTEREST6
factor(BUY_TYPE)
a
b
c
d
e
f
g

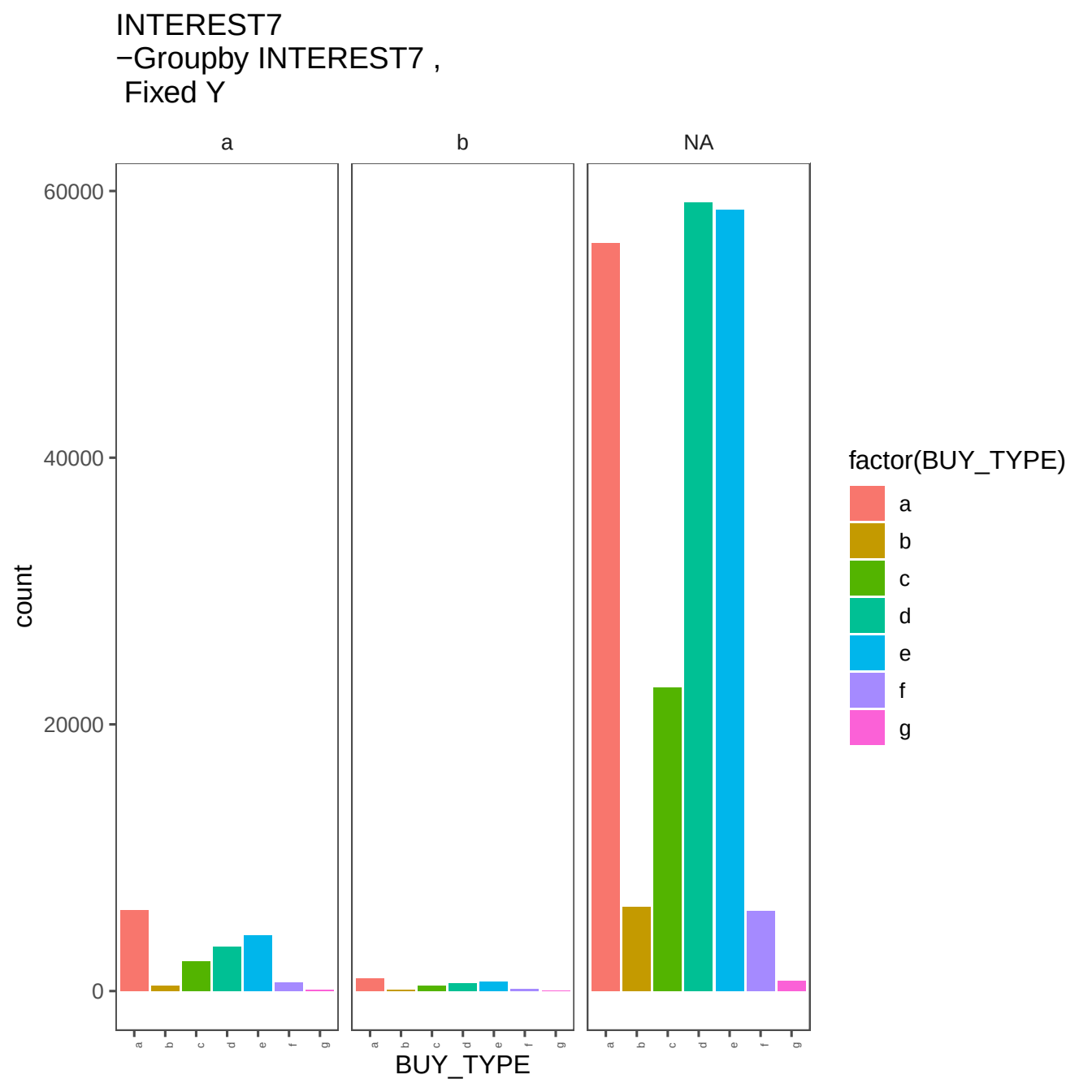

INTEREST6
−Groupby BUY_TYPE,
Relative Y
a
b
c
d
e
f
g
count
INTEREST6
factor(BUY_TYPE)
a
b
c
d
e
f
g
NA

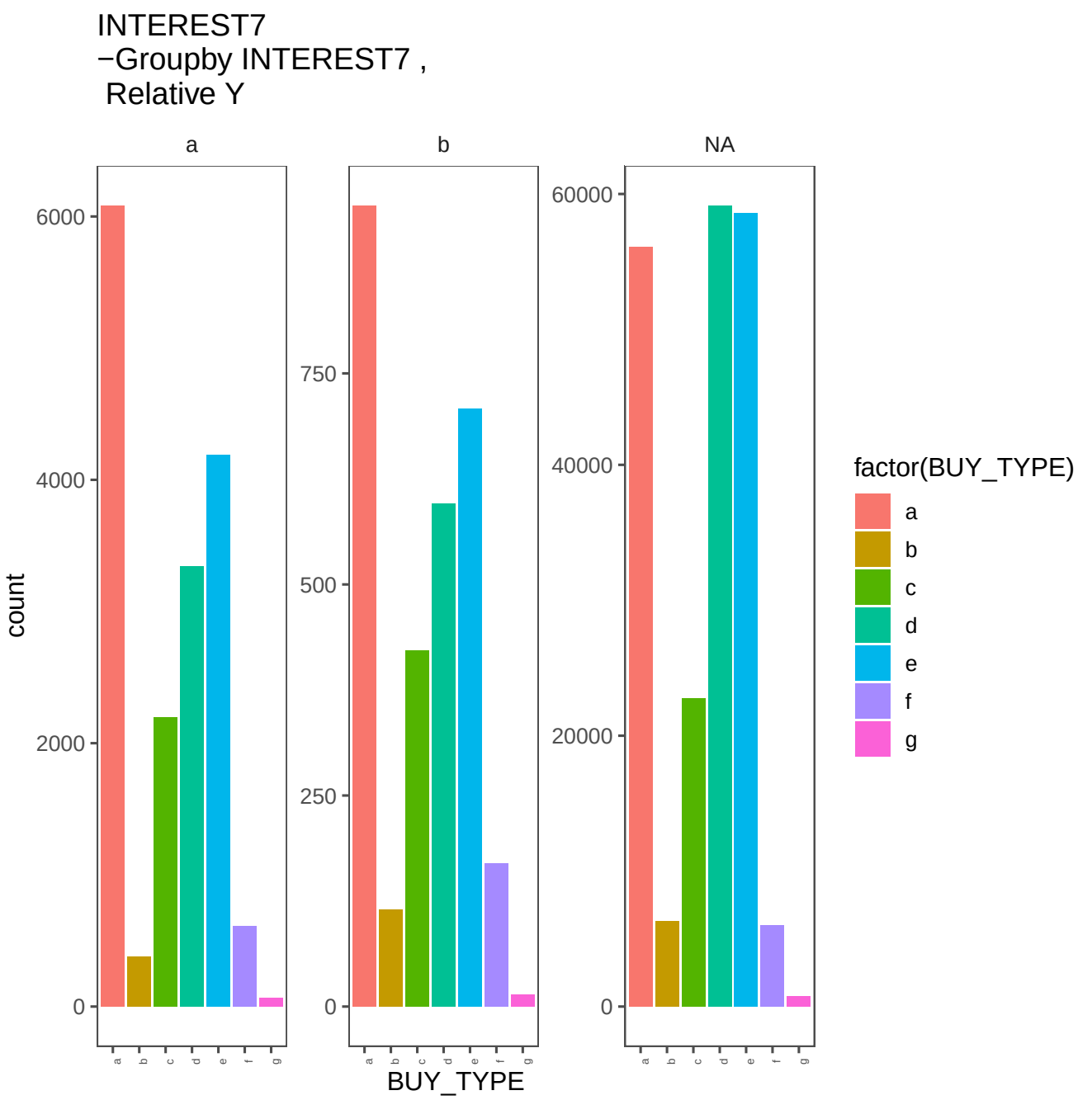

INTEREST6
−Groupby INTEREST6 ,
Fixed Y
a
b
NA
60000
40000
20000
0
count
a
b
c
d
e
f
g
BUY_TYPE
factor(BUY_TYPE)
a
b
c
d
e
f
g

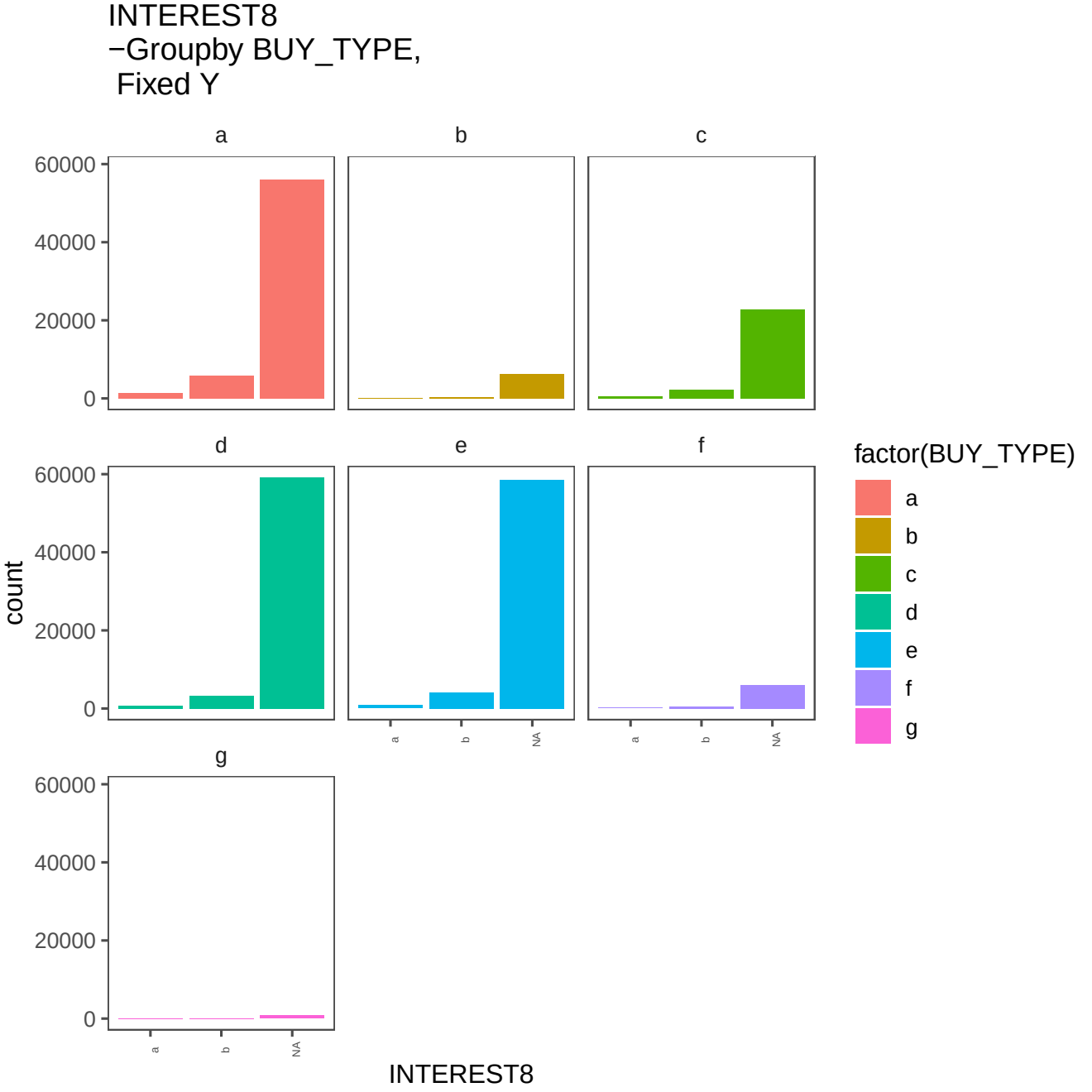

INTEREST6
−Groupby INTEREST6 ,
Relative Y
a
b
NA
6000
4000
2000
0
1200
900
600
300
0
60000
40000
20000
0
count
a b c d e f g
BUY_TYPE
factor(BUY_TYPE)
a
b
c
d
e
f
g

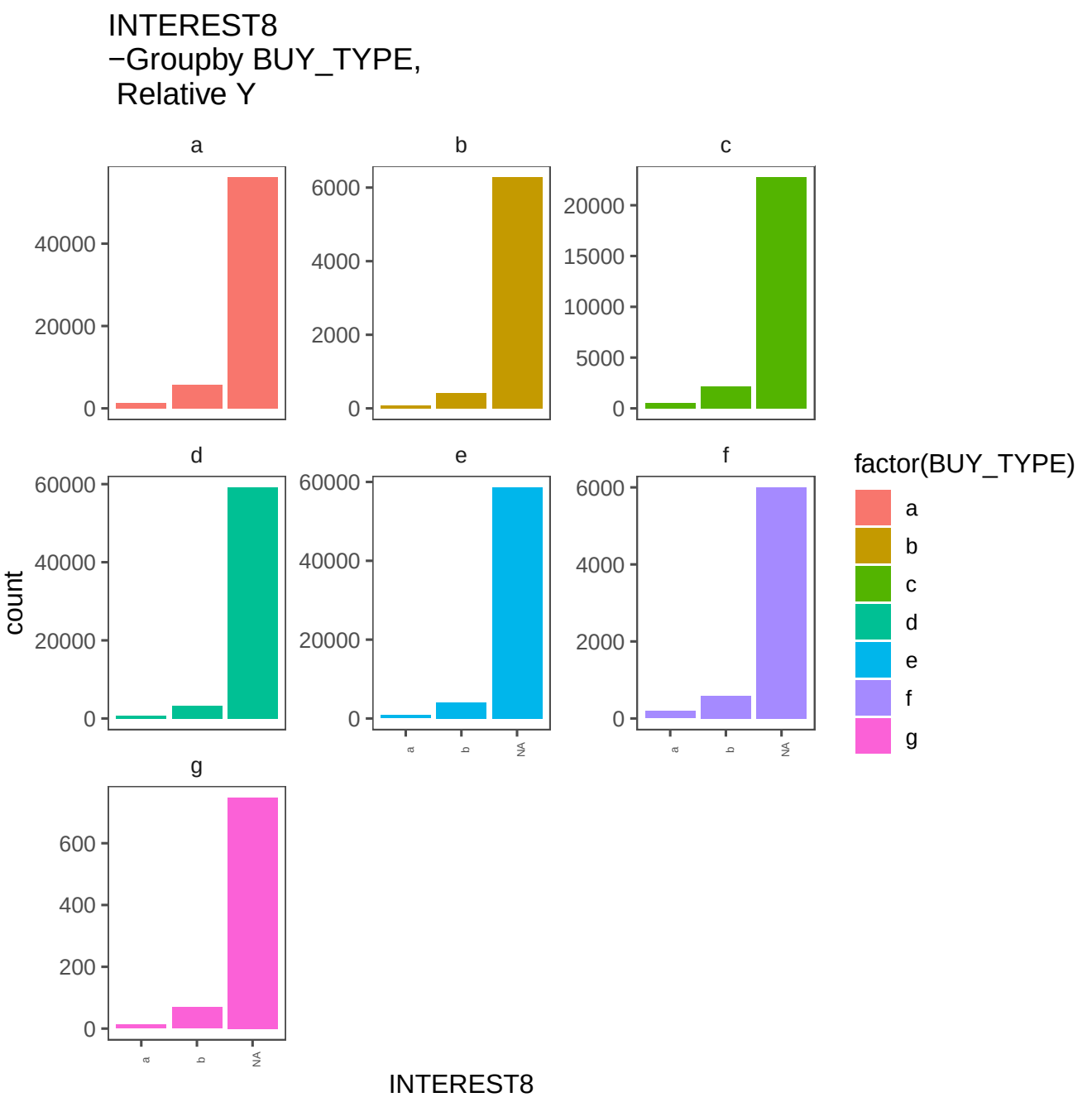

INTEREST7
−Groupby BUY_TYPE,
Fixed Y
a
b
c
d
e
f
g
60000
40000
20000
0
count
a
b
NA
INTEREST7
factor(BUY_TYPE)
a
b
c
d
e
f
g

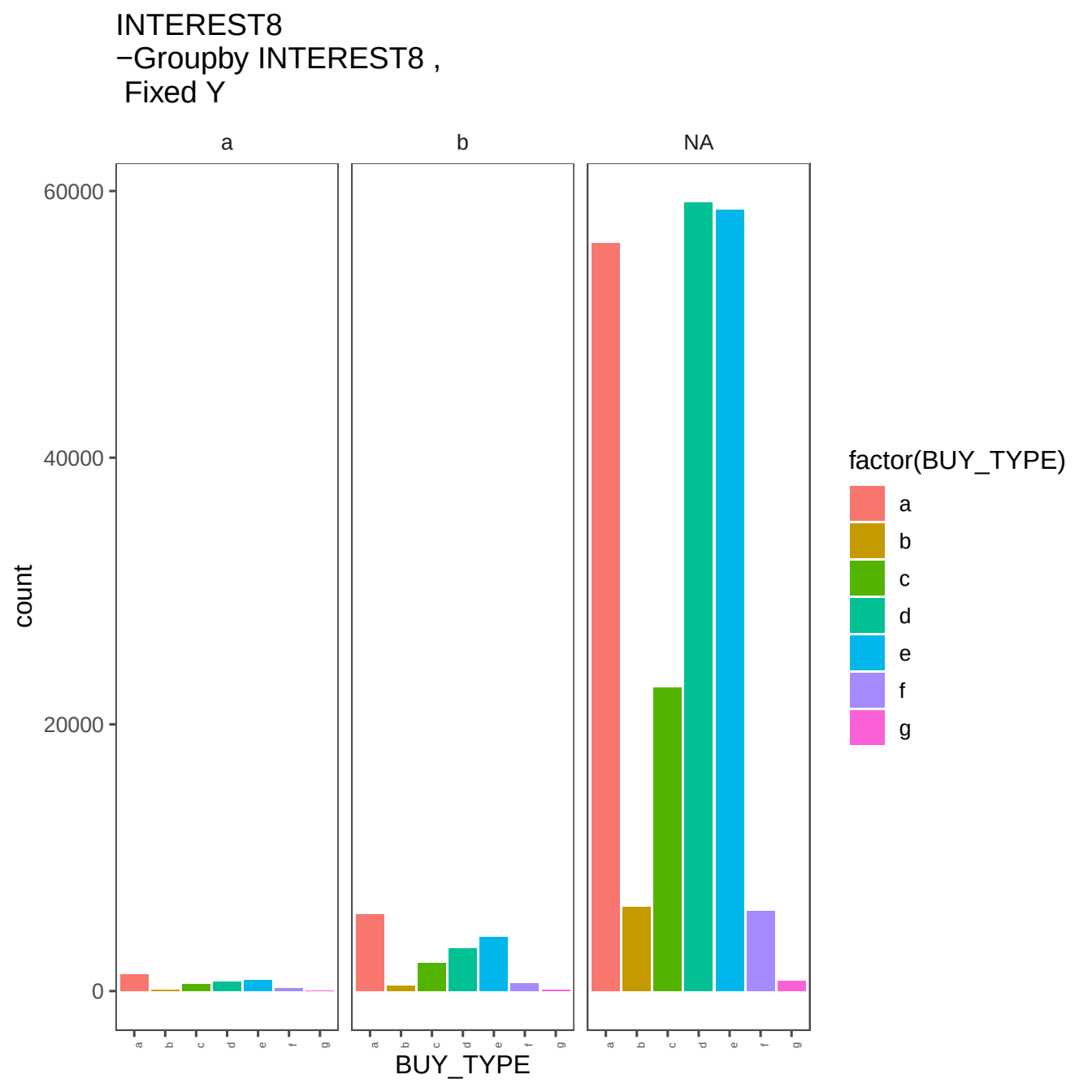

INTEREST7
−Groupby BUY_TYPE,
Relative Y
a
b
c
d
e
f
g
count
INTEREST7
factor(BUY_TYPE)
a
b
c
d
e
f
g
NA

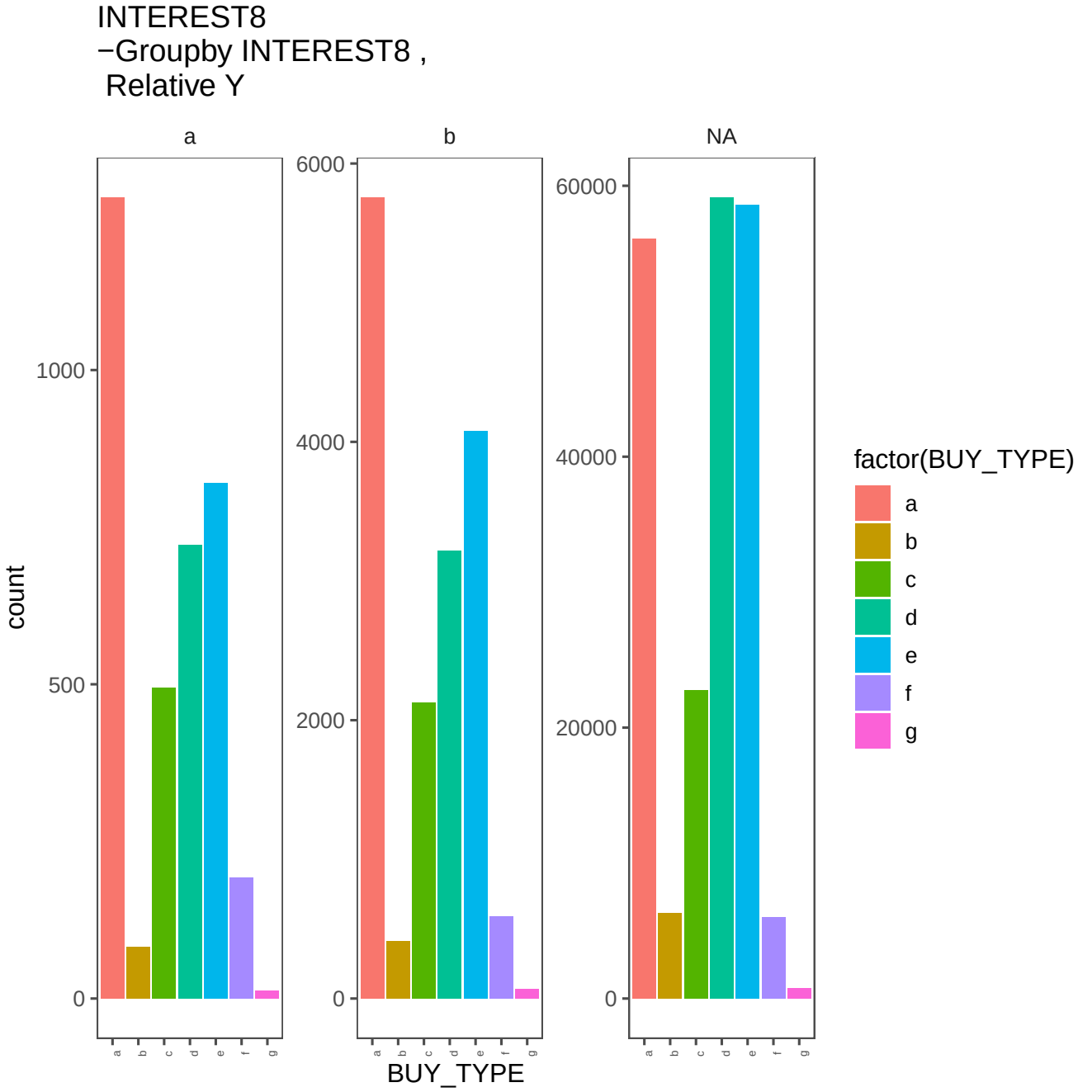

INTEREST7
−Groupby INTEREST7 ,
Fixed Y
a
b
NA
60000
40000
20000
0
count
a
b
c
d
e
f
g
BUY_TYPE
factor(BUY_TYPE)
a
b
c
d
e
f
g

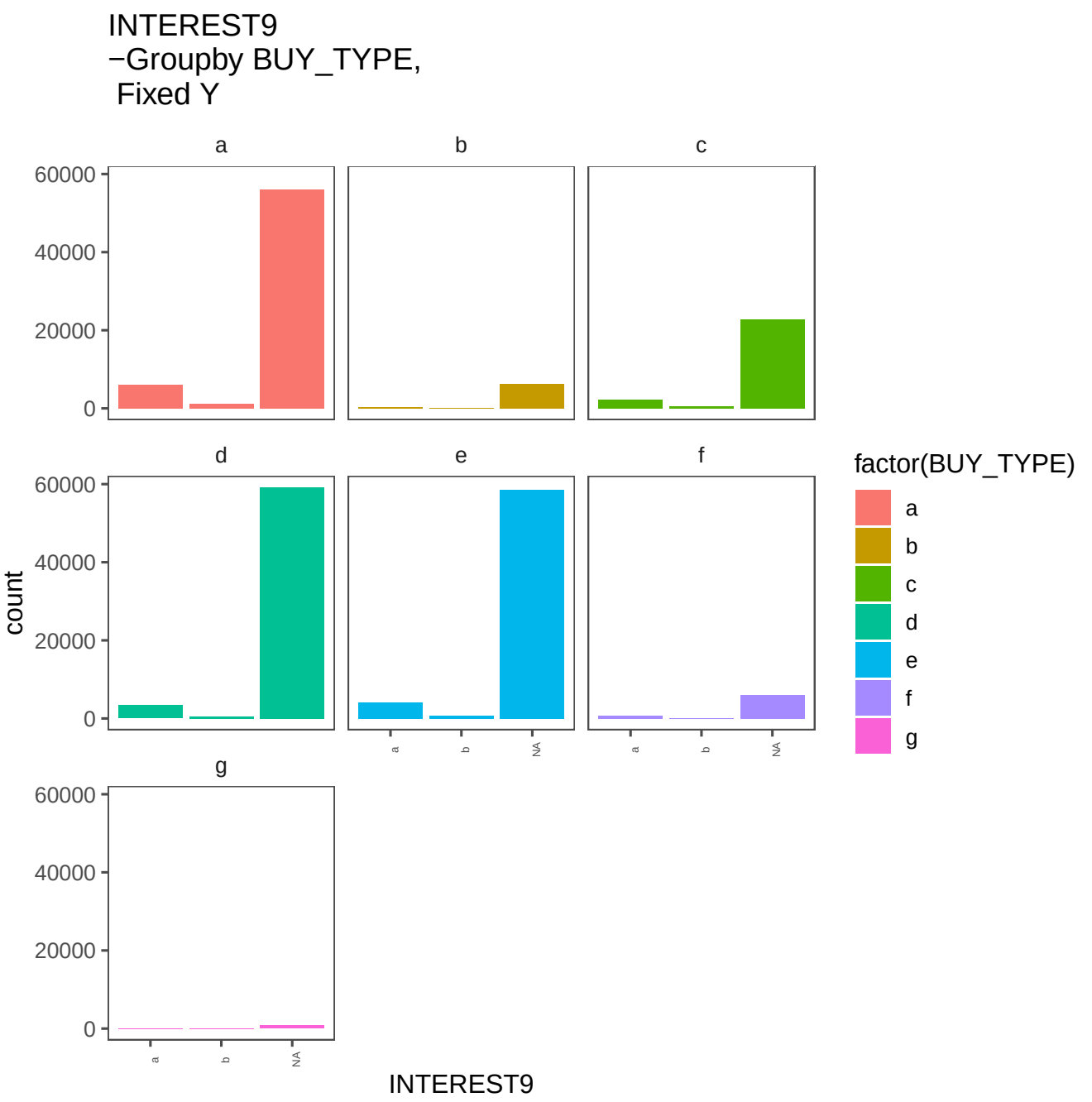

INTEREST7
−Groupby INTEREST7 ,
Relative Y
a
b
NA
6000
4000
2000
0
750
500
250
0
60000
40000
20000
0
count
a b c d e f g
BUY_TYPE
factor(BUY_TYPE)
a
b
c
d
e
f
g

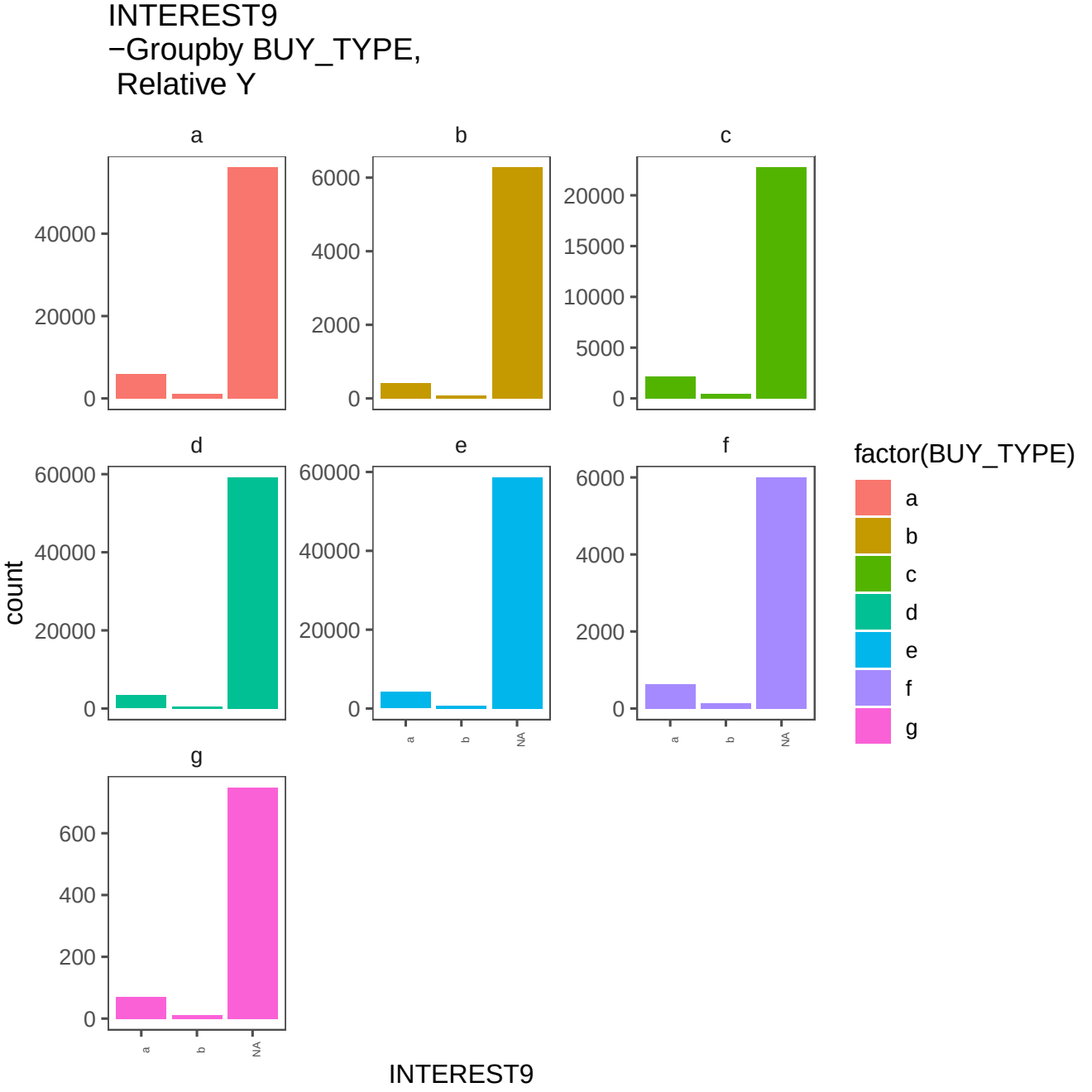

INTEREST8
−Groupby BUY_TYPE,
Fixed Y
a
b
c
d
e
f
g
60000
40000
20000
0
count
a
b
NA
INTEREST8
factor(BUY_TYPE)
a
b
c
d
e
f
g

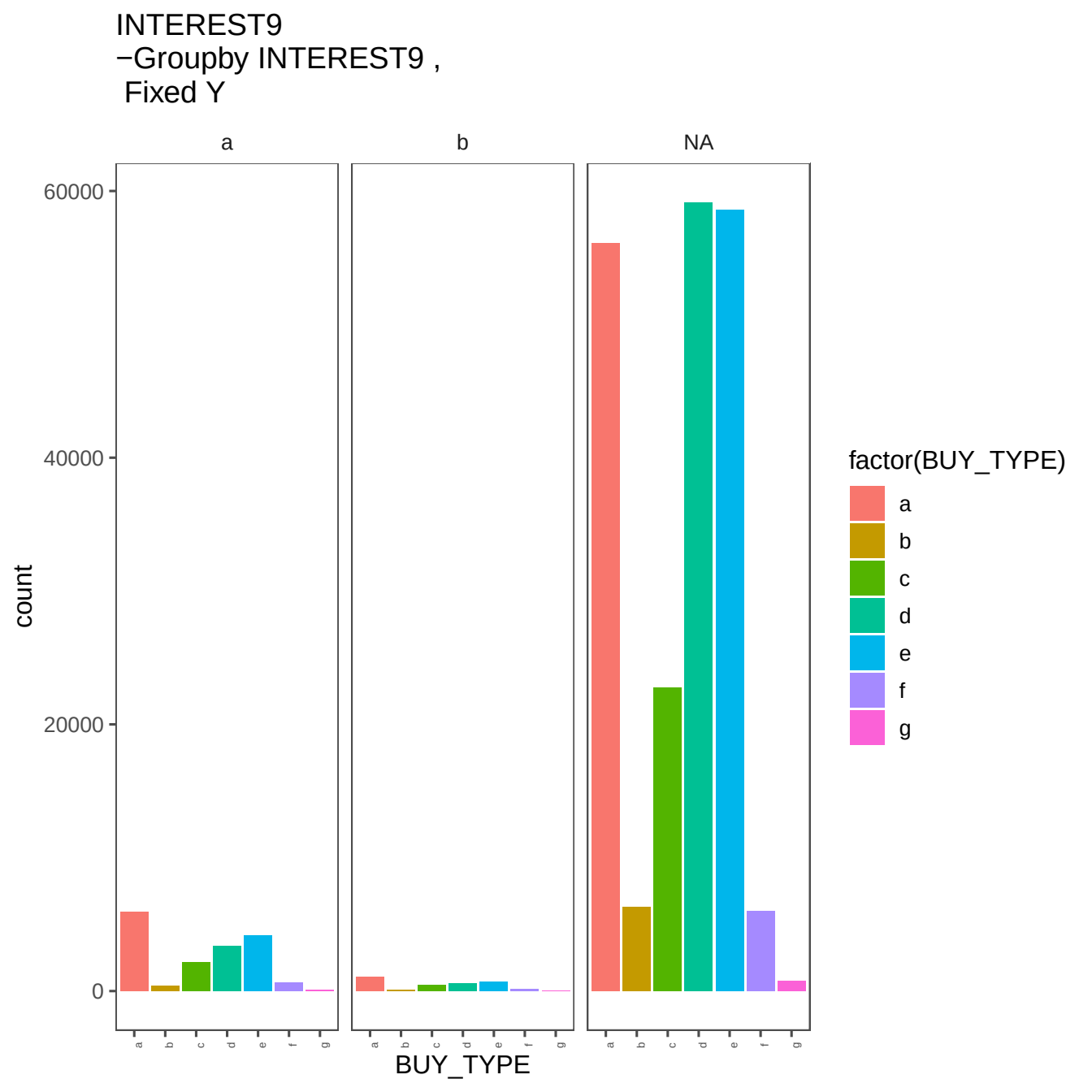

INTEREST8
−Groupby BUY_TYPE,
Relative Y
a
b
c
d
e
f
g
count
INTEREST8
factor(BUY_TYPE)
a
b
c
d
e
f
g
NA

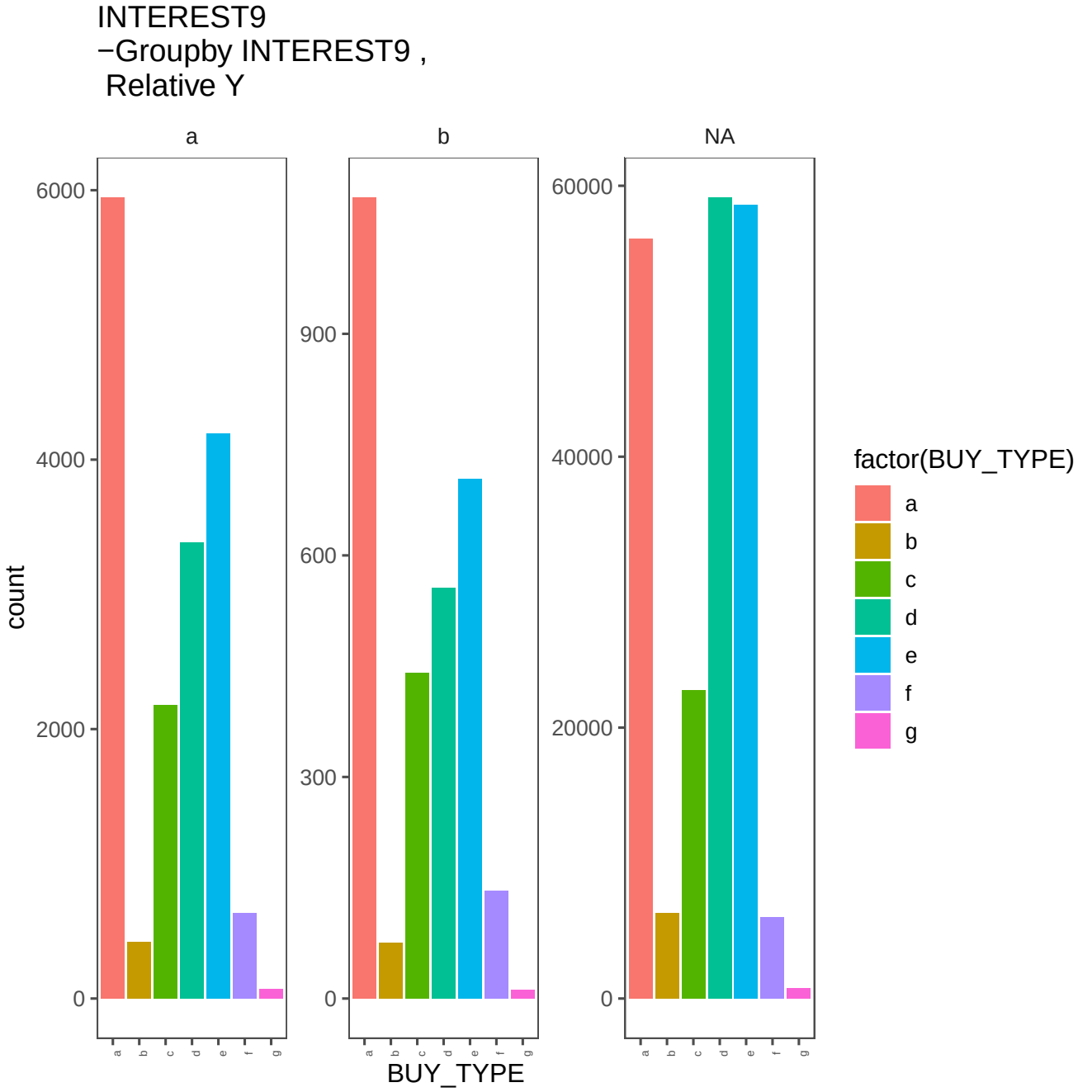

INTEREST8
−Groupby INTEREST8 ,
Fixed Y
a
b
NA
60000
40000
20000
0
count
a
b
c
d
e
f
g
BUY_TYPE
factor(BUY_TYPE)
a
b
c
d
e
f
g

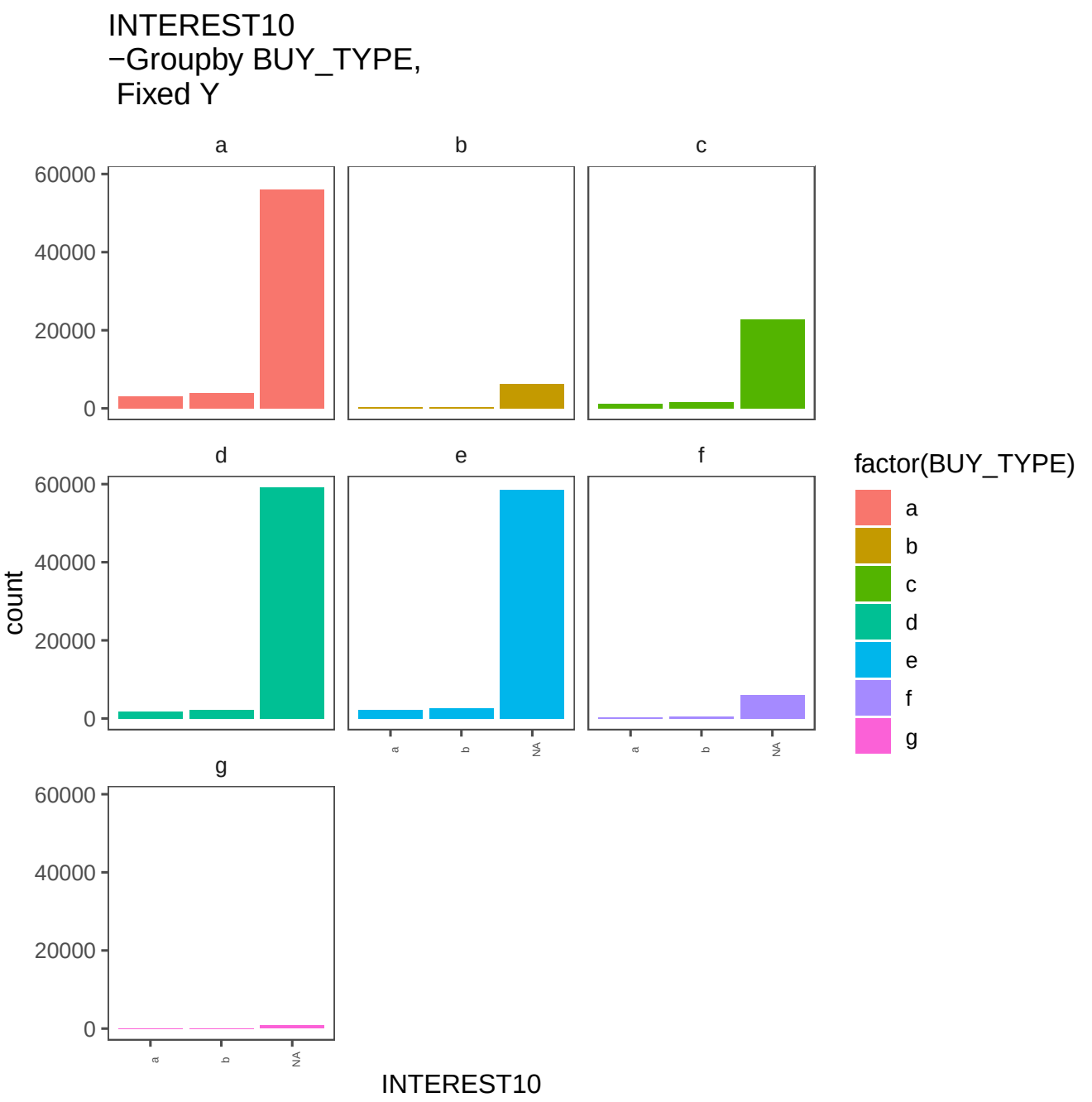

INTEREST8
−Groupby INTEREST8 ,
Relative Y
a
b
NA
count
1000
500
0
6000
4000
2000
0
60000
40000
20000
0
a
b
c
d
e
f
g
BUY_TYPE
factor(BUY_TYPE)
a
b
c
d
e
f
g

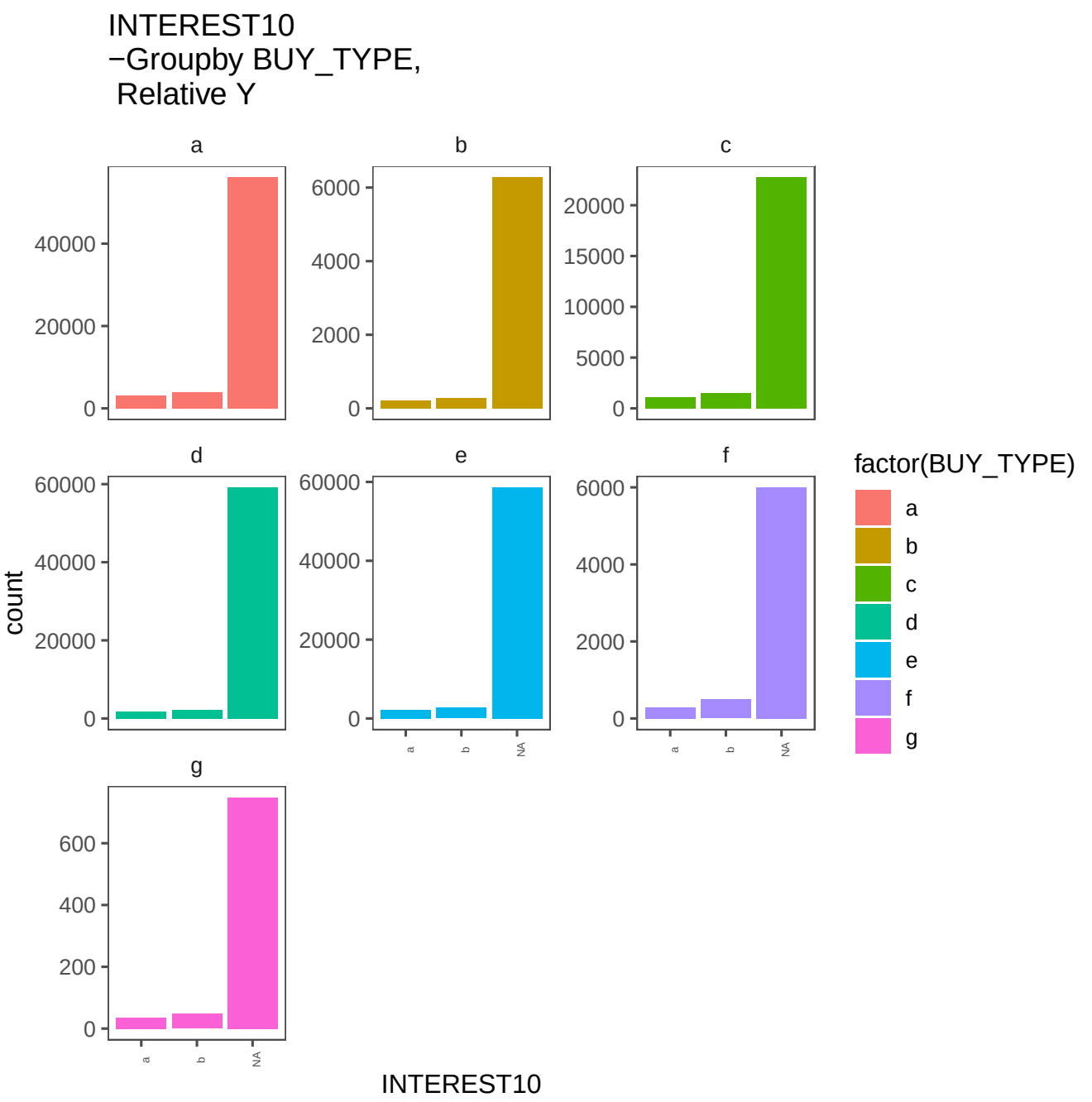

INTEREST9
−Groupby BUY_TYPE,
Fixed Y
a
b
c
d
e
f
g
60000
40000
20000
0
count
a
b
NA
INTEREST9
factor(BUY_TYPE)
a
b
c
d
e
f
g

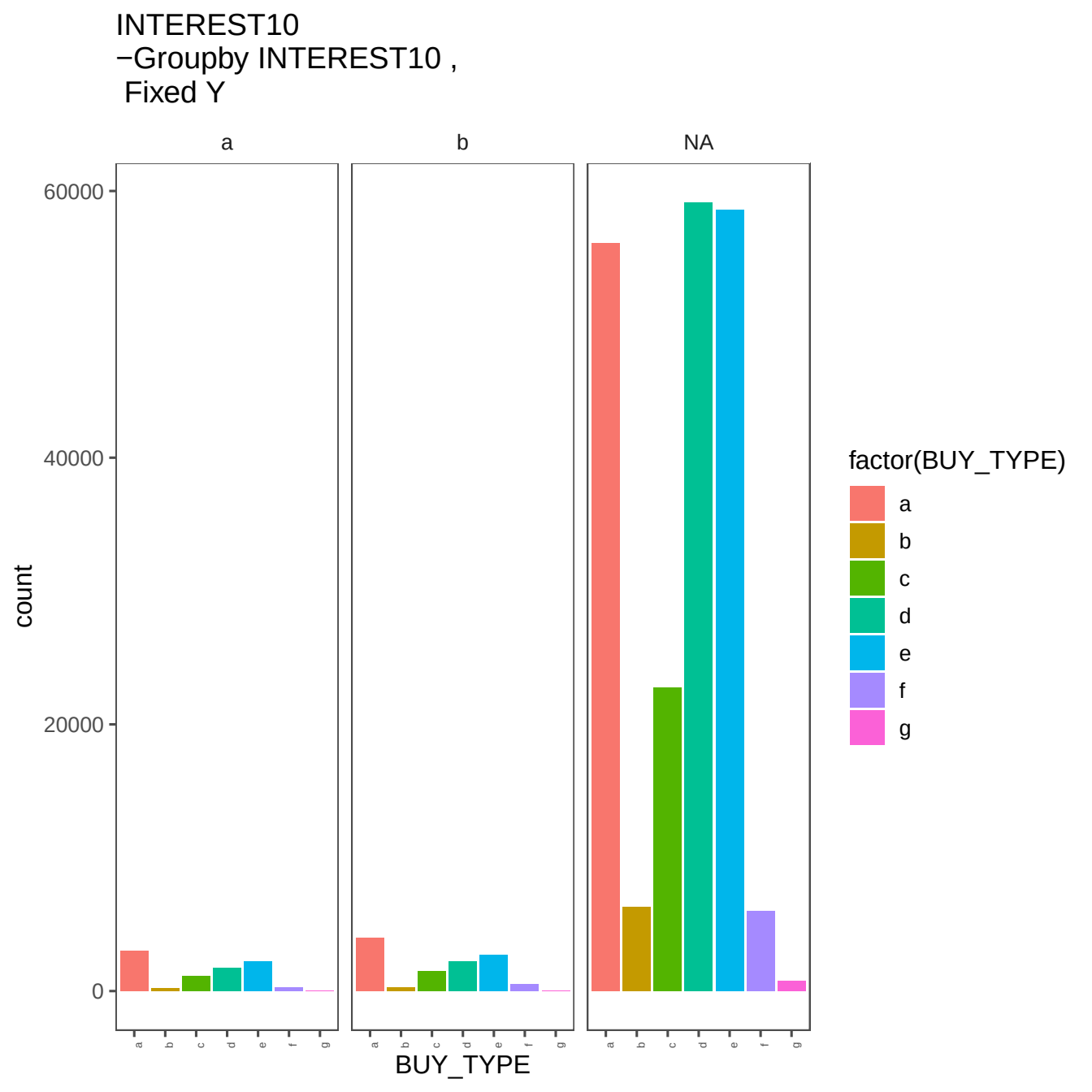

INTEREST9
−Groupby BUY_TYPE,
Relative Y
a
b
c
d
e
f
g
count
INTEREST9
factor(BUY_TYPE)
a
b
c
d
e
f
g

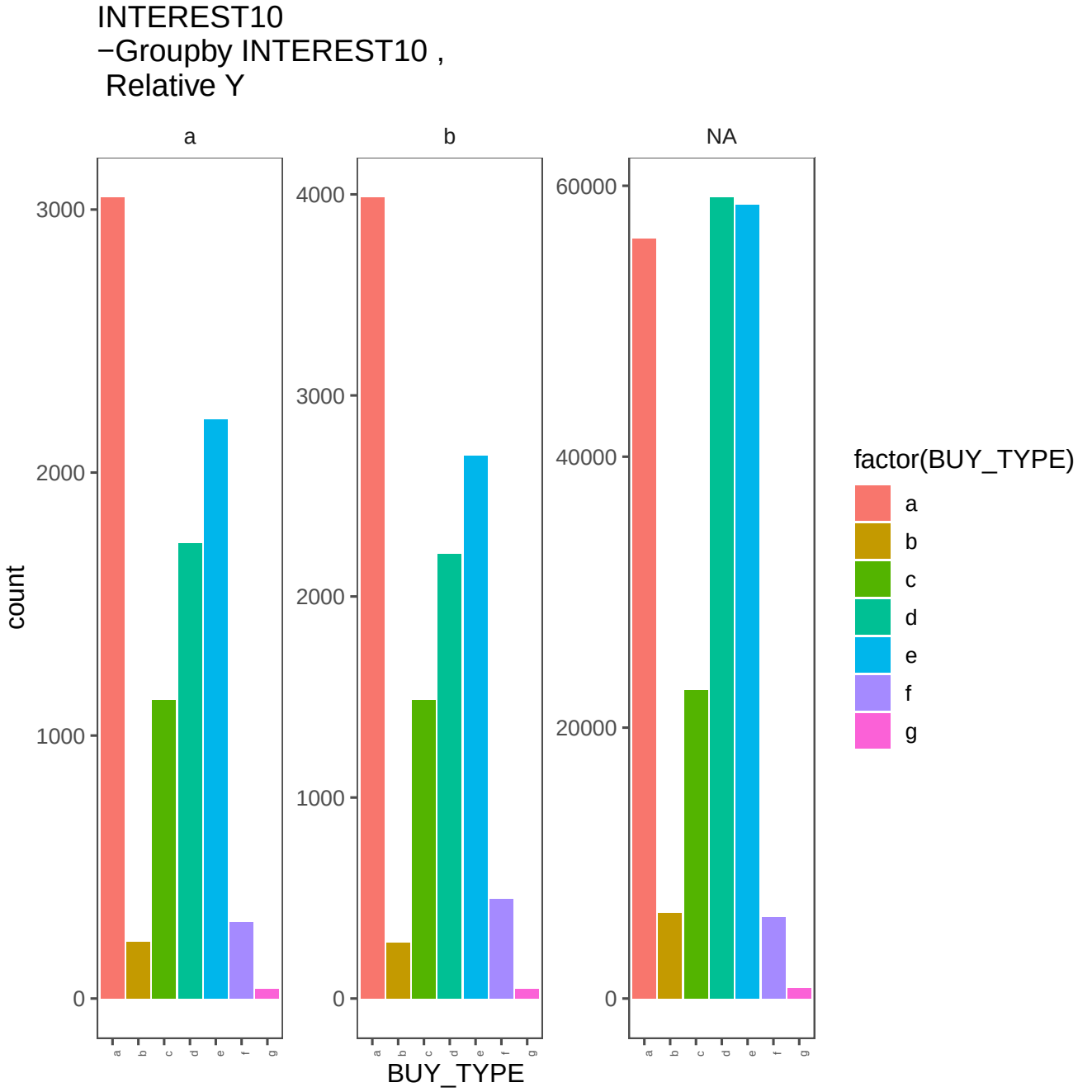

INTEREST9
−Groupby INTEREST9 ,
Fixed Y
a
b
NA
60000
40000
20000
0
count
a
b
c
d
e
f
g
BUY_TYPE
factor(BUY_TYPE)
a
b
c
d
e
f
g


INTEREST9
−Groupby INTEREST9 ,
Relative Y
a
b
NA
6000
4000
2000
0
900
600
300
0
60000
40000
20000
0
count
a b c d e f g
BUY_TYPE
factor(BUY_TYPE)
a
b
c
d
e
f
g


INTEREST10
−Groupby BUY_TYPE,
Fixed Y
a
b
c
d
e
f
g
60000
40000
20000
0
count
a
b
NA
INTEREST10
factor(BUY_TYPE)
a
b
c
d
e
f
g


INTEREST10
−Groupby BUY_TYPE,
Relative Y
a
b
c
d
e
f
g
count
INTEREST10
factor(BUY_TYPE)
a
b
c
d
e
f
g
NA


INTEREST10
−Groupby INTEREST10 ,
Fixed Y
a
b
NA
60000
40000
20000
0
count
a
b
c
d
e
f
g
BUY_TYPE
factor(BUY_TYPE)
a
b
c
d
e
f
g


INTEREST10
−Groupby INTEREST10 ,
Relative Y
a
b
NA
count
3000
2000
1000
0
4000
3000
2000
1000
0
60000
40000
20000
0
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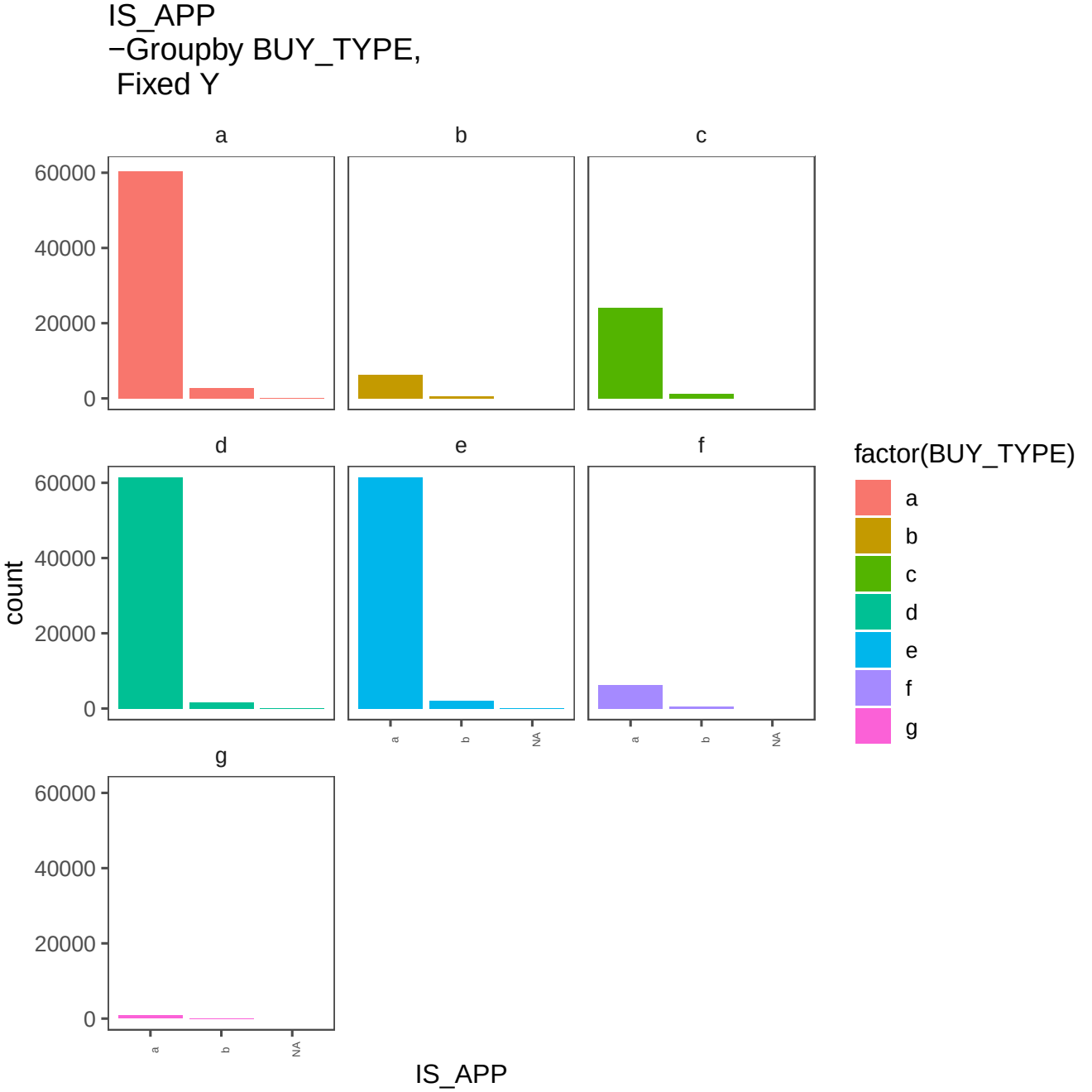
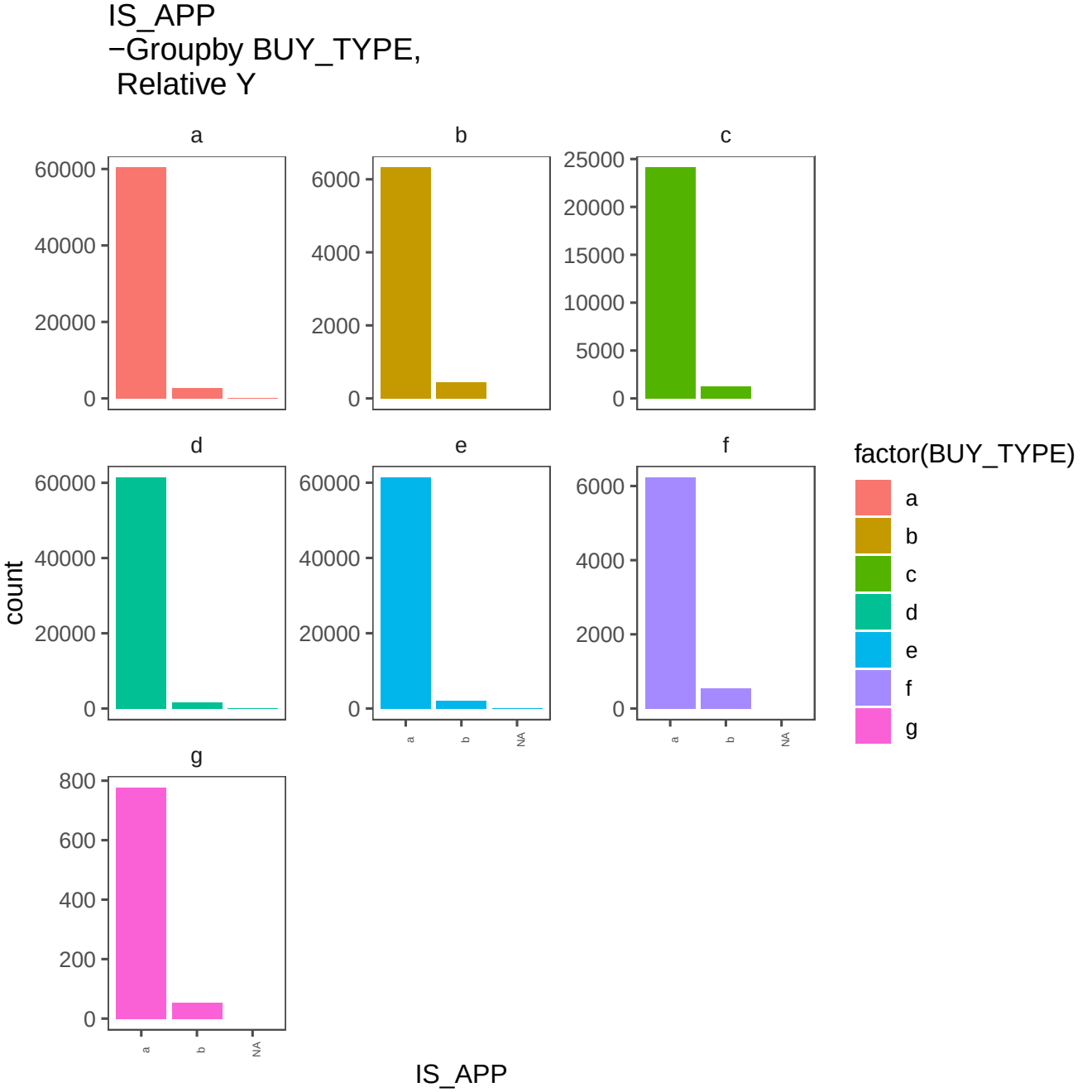
c
d
e
f
g
BUY_TYPE
factor(BUY_TYPE)
a
b
c
d
e
f
g


IS_APP
−Groupby BUY_TYPE,
Fixed Y
a
b
c
d
e
f
g
60000
40000
20000
0
count
a
b
NA
IS_APP
factor(BUY_TYPE)
a
b
c
d
e
f
g


IS_APP
−Groupby BUY_TYPE,
Relative Y
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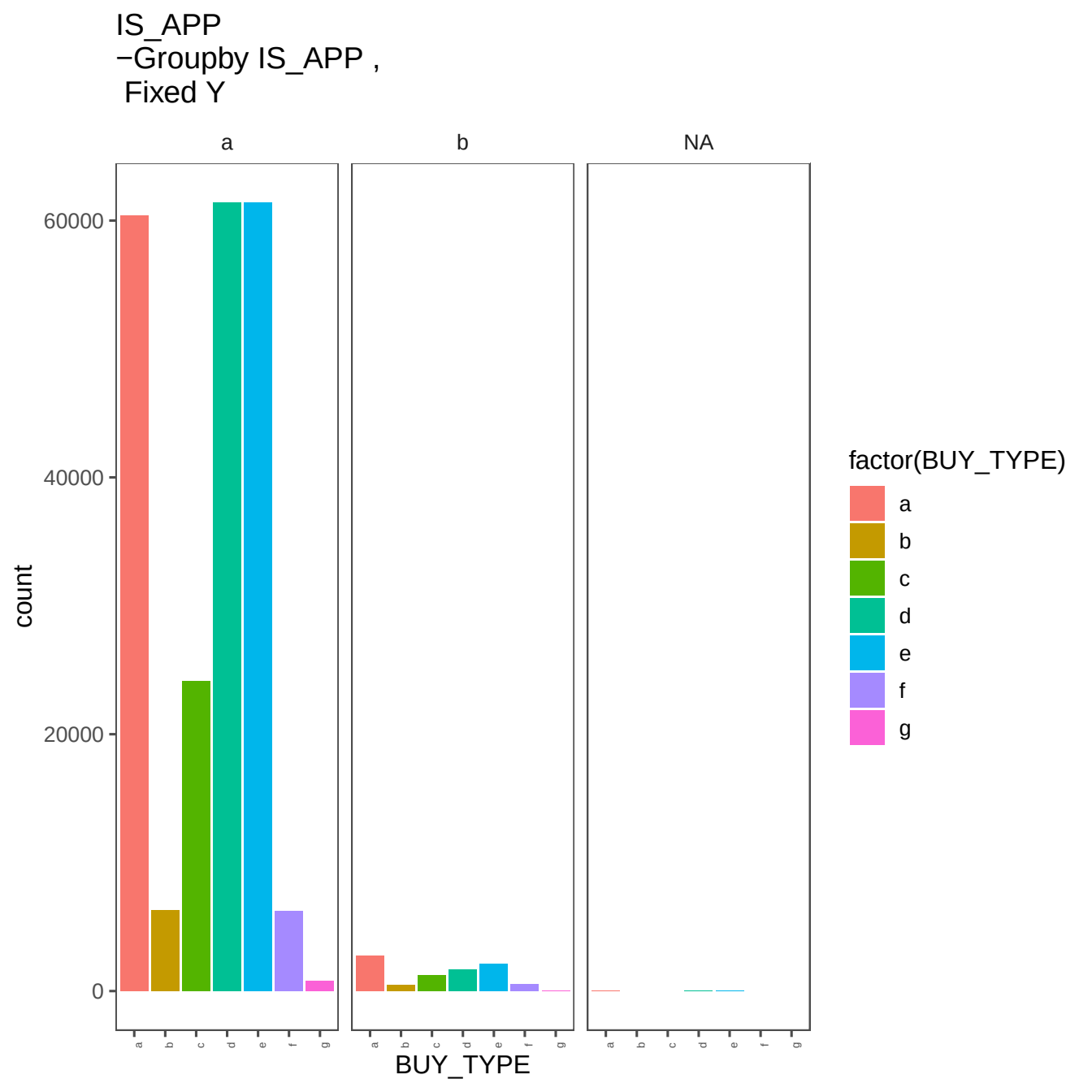
f
g
count
IS_APP
factor(BUY_TYPE)
a
b
c
d
e
f
g
NA


IS_APP
−Groupby IS_APP ,
Fixed Y
a
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NA
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40000
20000
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e
f
g
BUY_TYPE
factor(BUY_TYPE)
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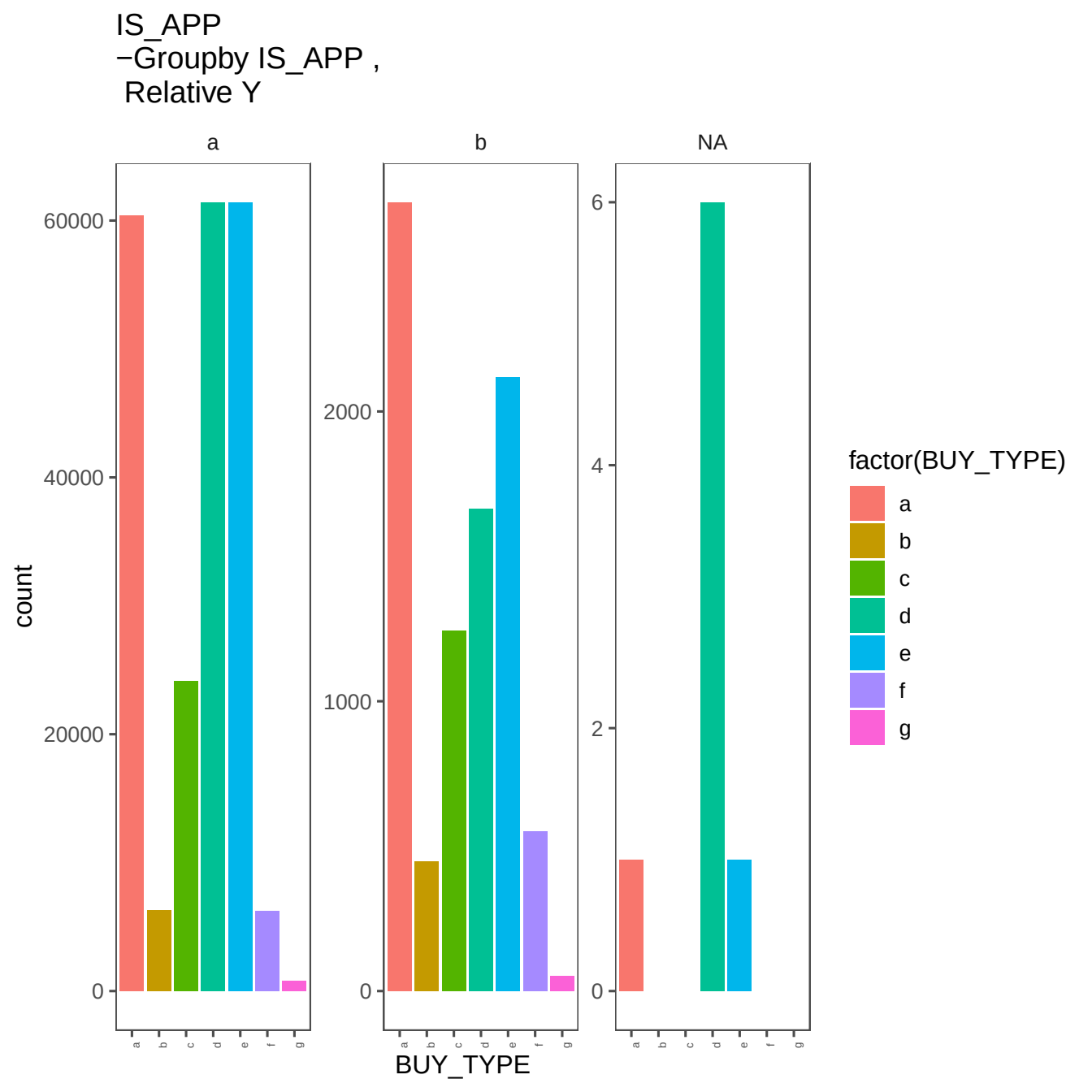
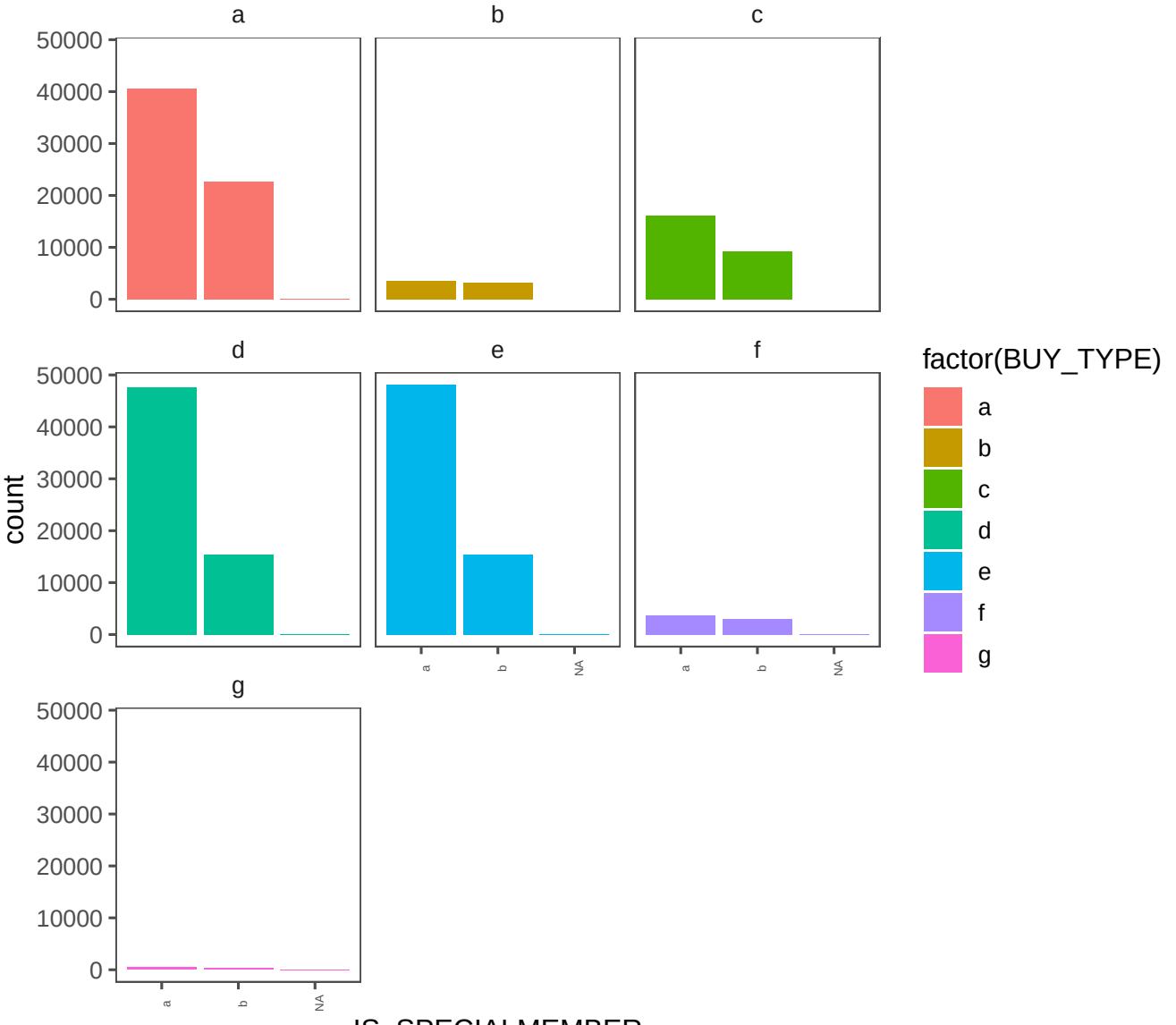
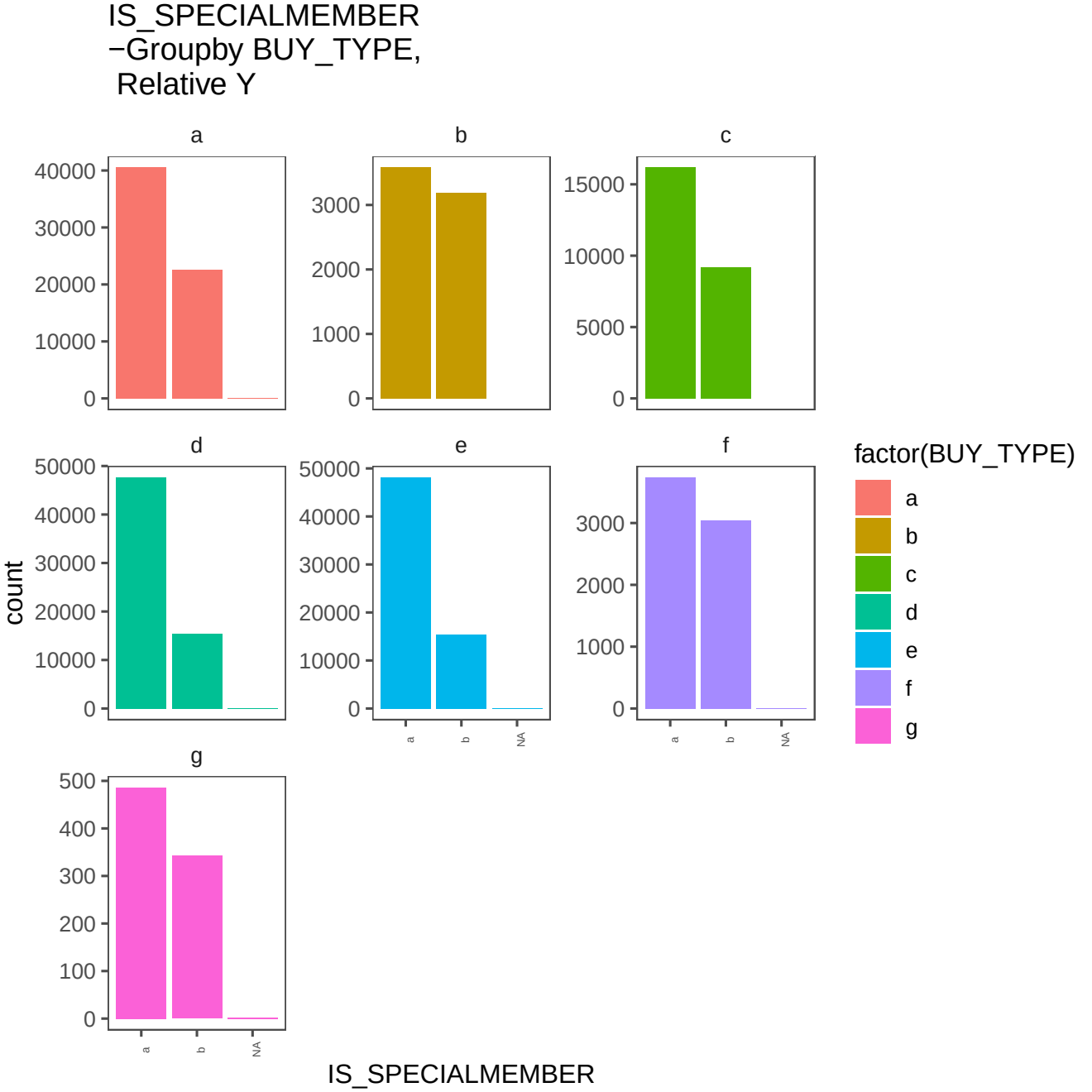
b
c
d
e
f
g

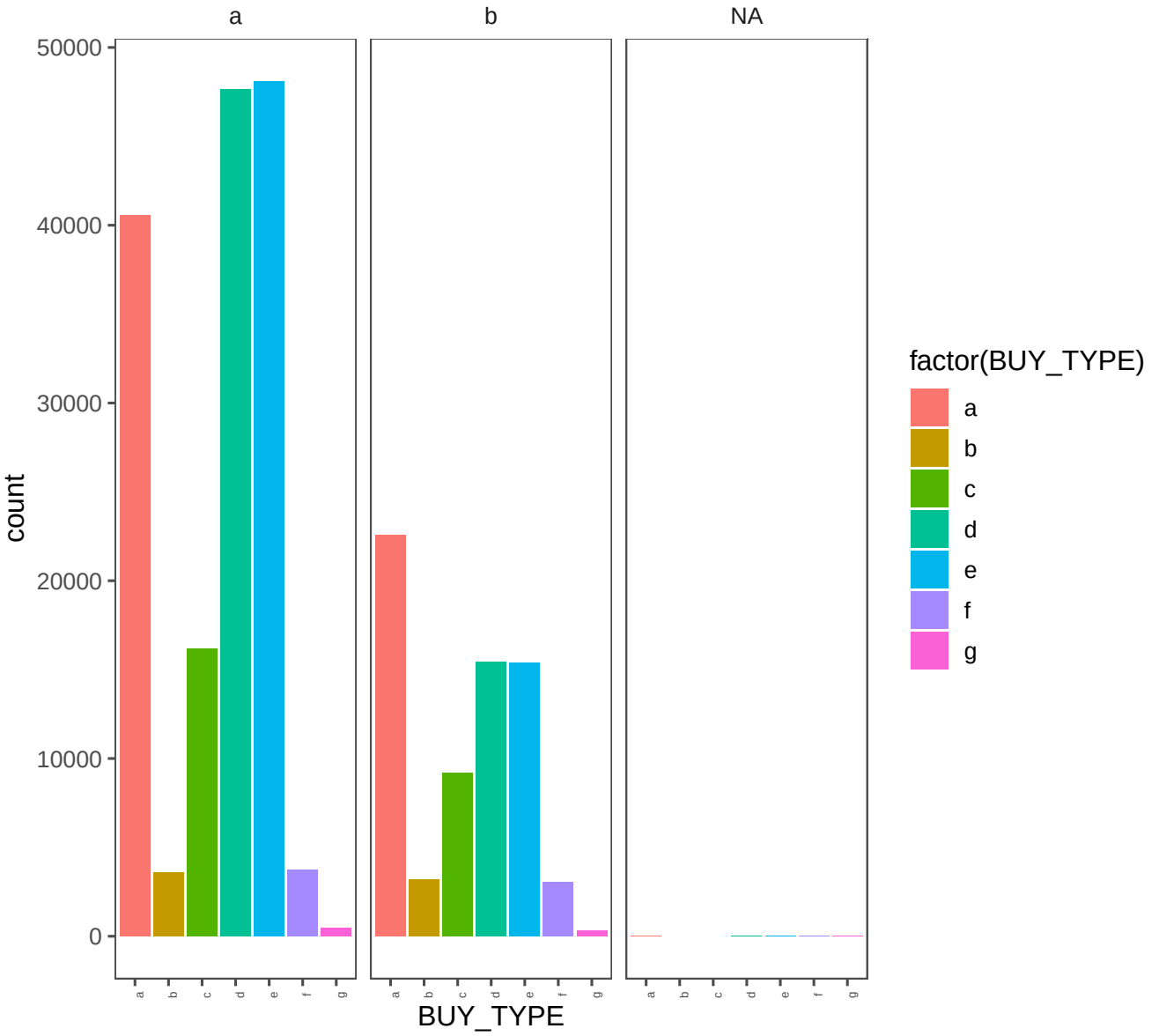

IS_APP
−Groupby IS_APP ,
Relative Y
a
b
NA
60000
40000
20000
0
2000
1000
0
6
4
2
0
count
a b c d e f g
BUY_TYPE
factor(BUY_TYPE)
a
b
c
d
e
f
g

IS_SPECIALMEMBER
−Groupby BUY_TYPE,
Fixed Y




IS_SPECIALMEMBER
−Groupby BUY_TYPE,
Relative Y
a
b
c
d
e
f
g
count
IS_SPECIALMEMBER
factor(BUY_TYPE)
a
b
c
d
e
f
g

IS_SPECIALMEMBER
−Groupby IS_SPECIALMEMBER ,
Fixed Y



IS_SPECIALMEMBER
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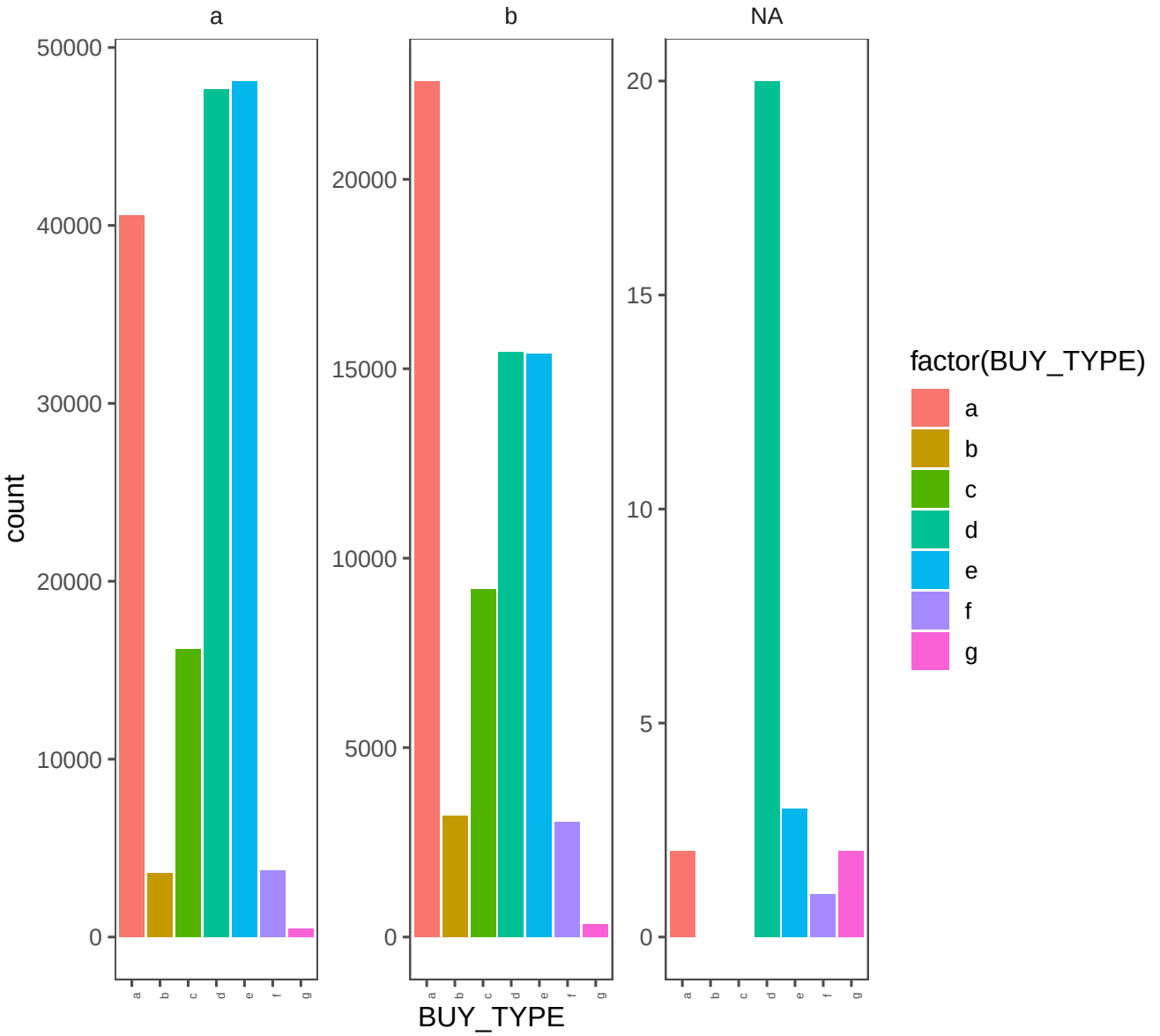
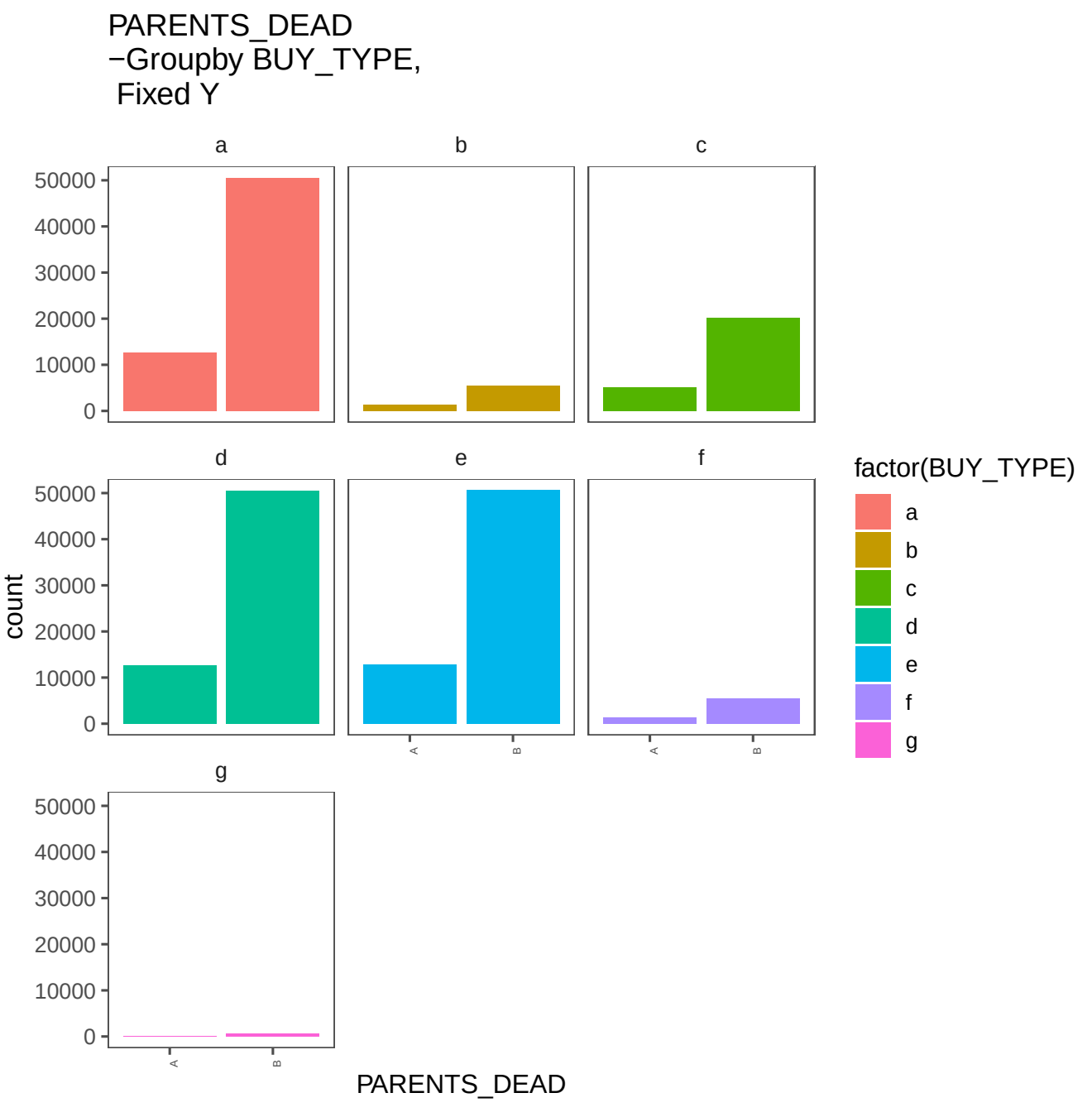
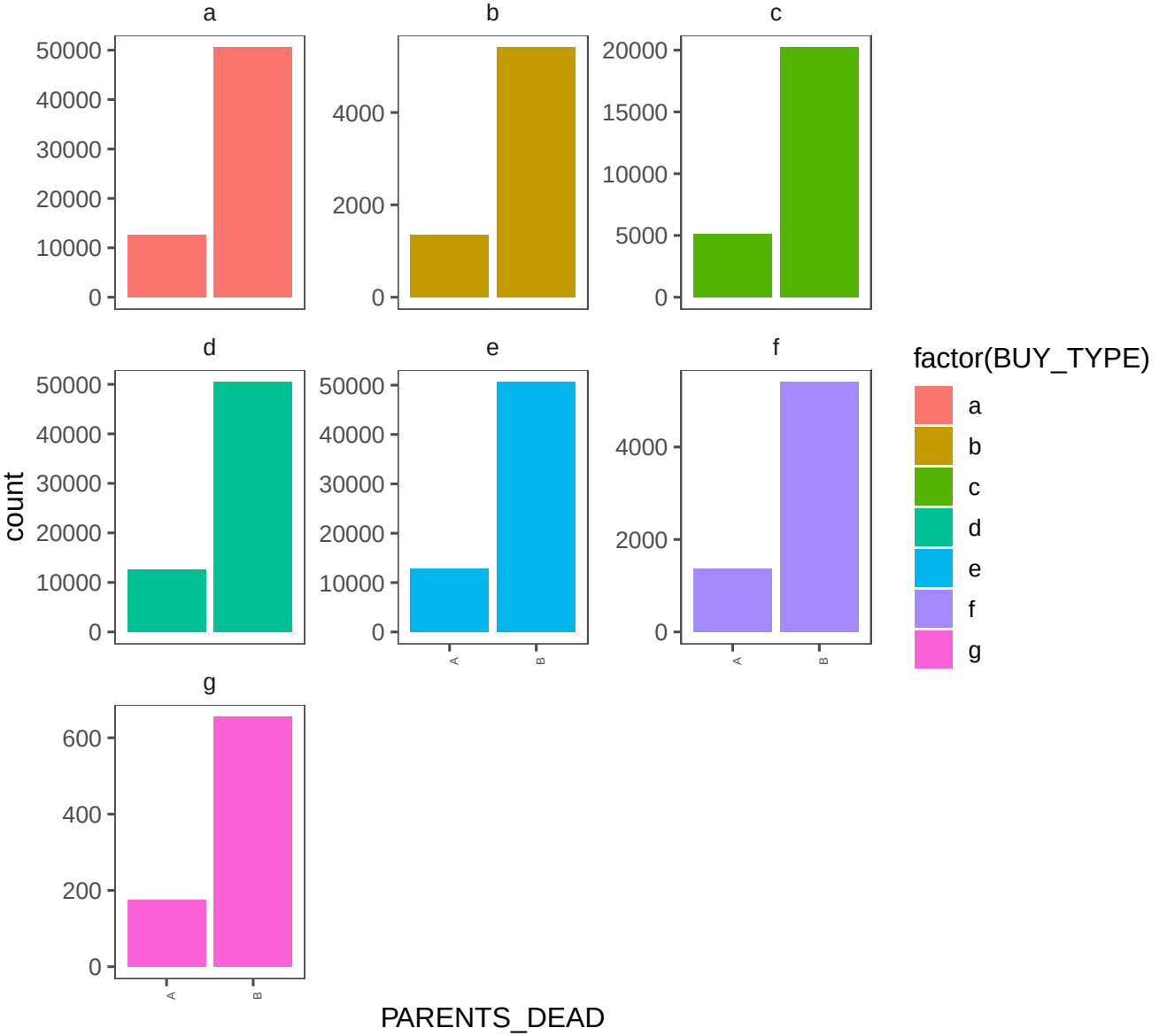
Relative Y




PARENTS_DEAD
−Groupby BUY_TYPE,
Fixed Y
a
b
c
d
e
f
g
50000
40000
30000
20000
10000
0
count
A
B
PARENTS_DEAD
factor(BUY_TYPE)
a
b
c
d
e
f
g

PARENTS_DEAD
−Groupby BUY_TYPE,
Relative Y



PARENTS_DEAD
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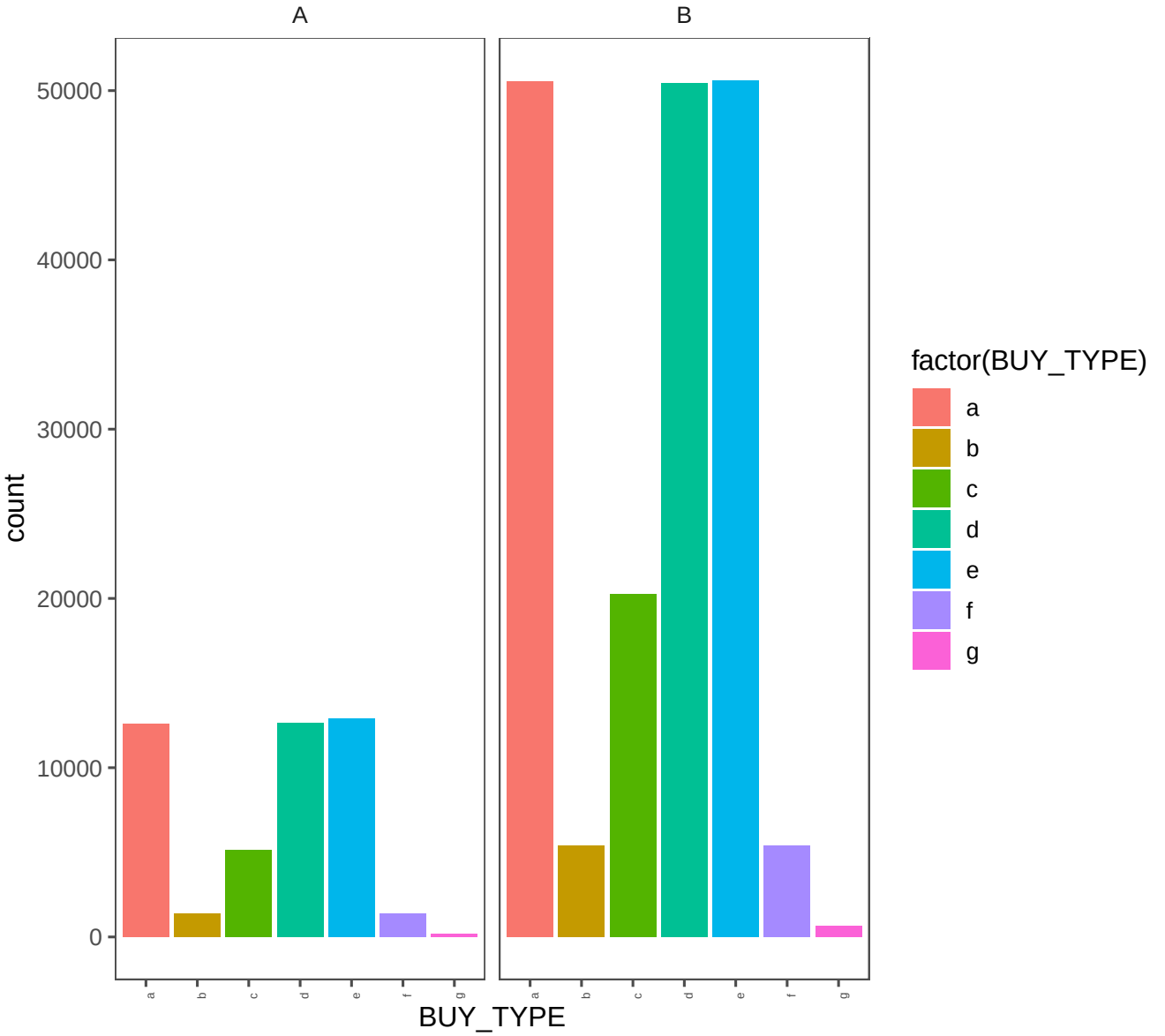
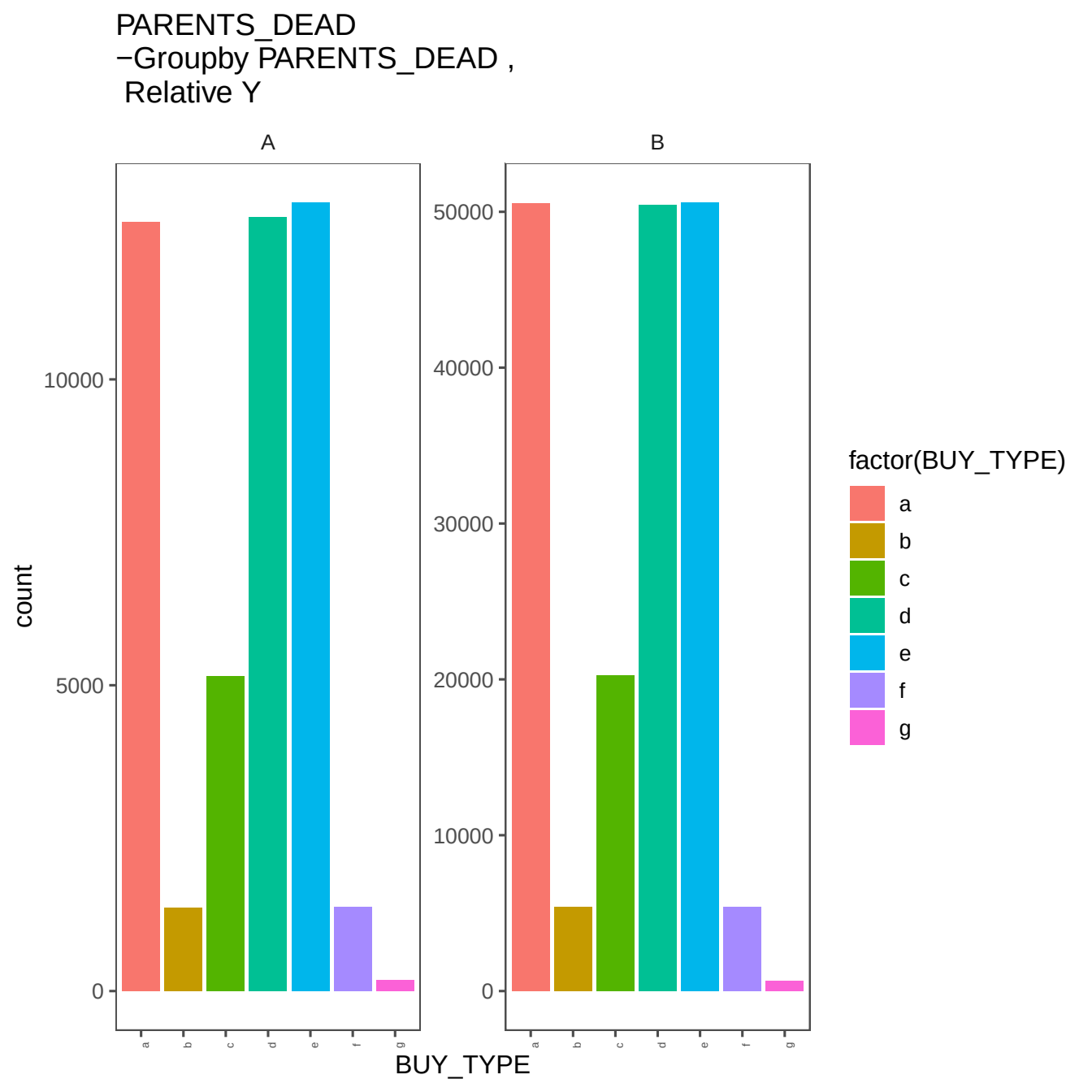
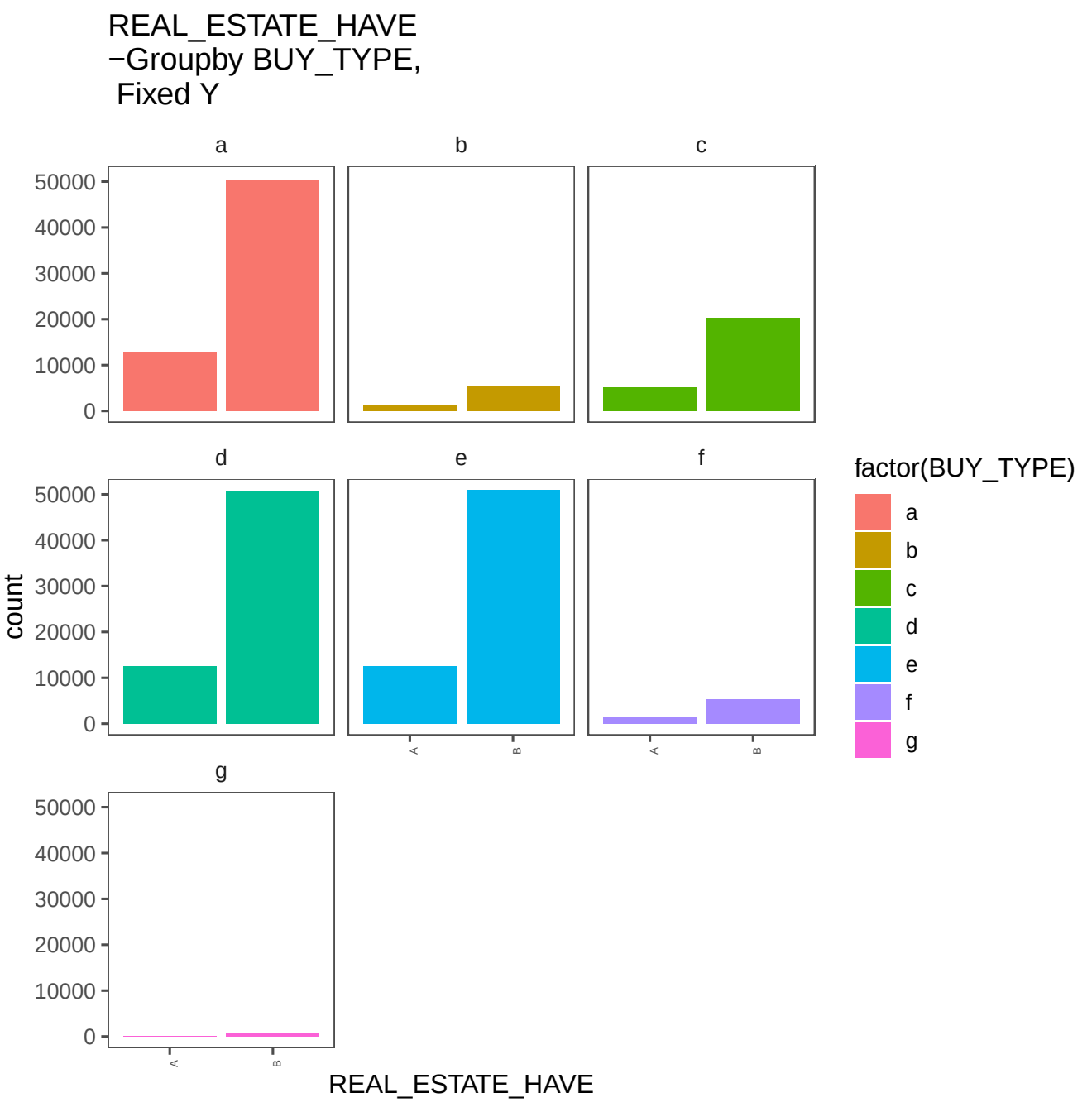
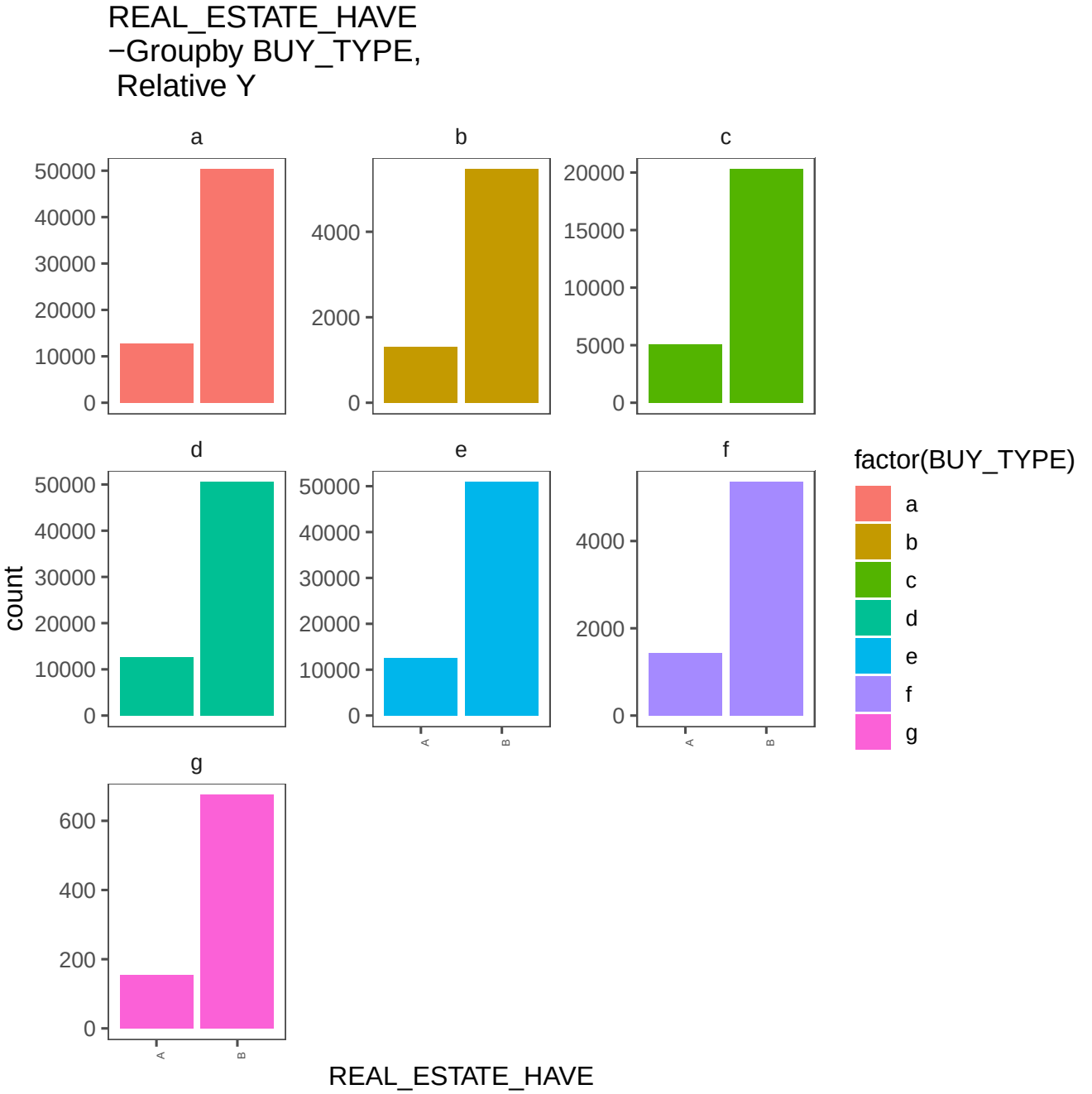
Fixed Y

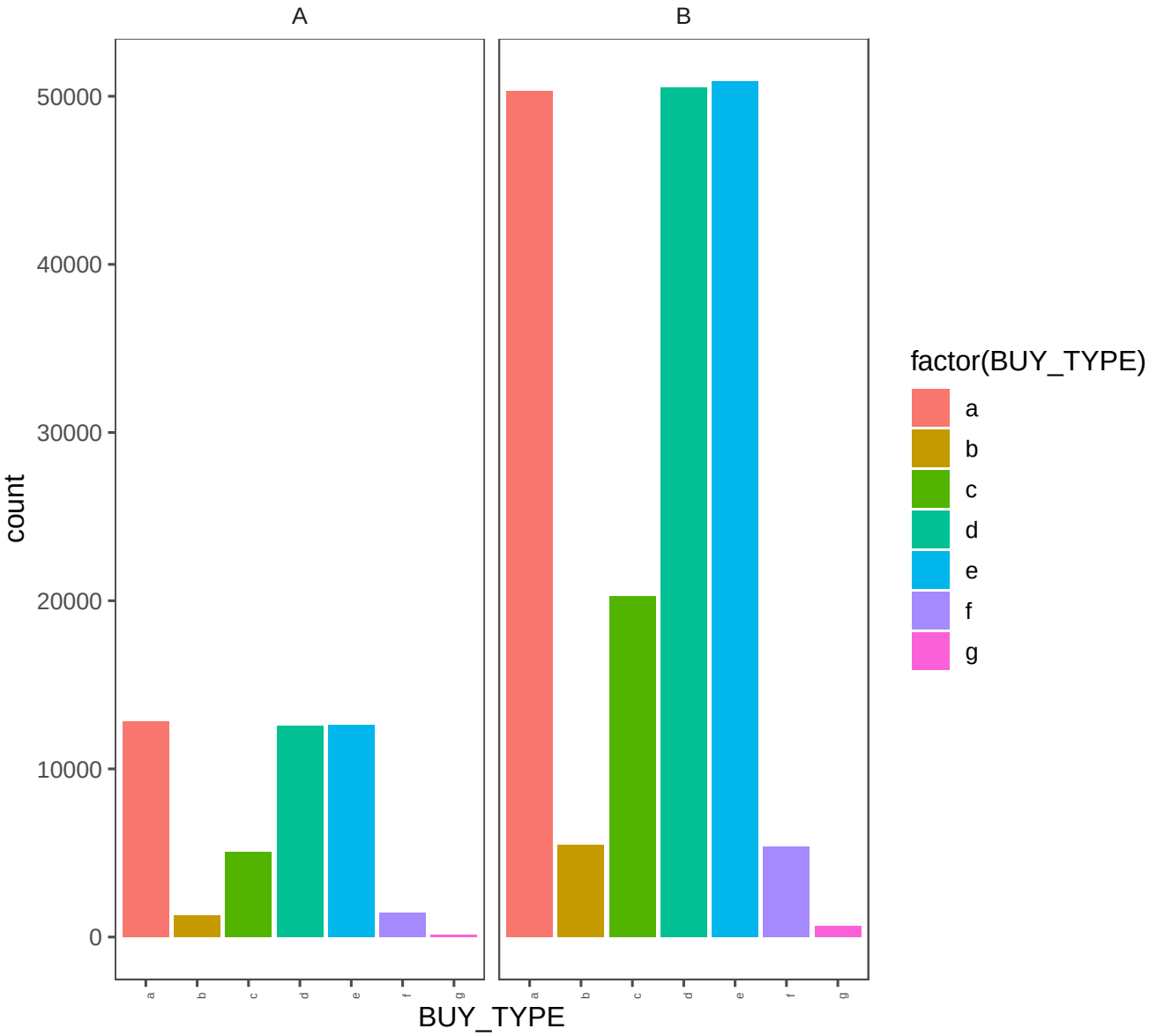



PARENTS_DEAD
−Groupby PARENTS_DEAD ,
Relative Y
A
B
count
10000
5000
0
50000
40000
30000
20000
10000
0
a
b
c
d
e
f
g
BUY_TYPE
factor(BUY_TYPE)
a
b
c
d
e
f
g


REAL_ESTATE_HAVE
−Groupby BUY_TYPE,
Fixed Y
a
b
c
d
e
f
g
50000
40000
30000
20000
10000
0
count
A
B
REAL_ESTATE_HAVE
factor(BUY_TYPE)
a
b
c
d
e
f
g


REAL_ESTATE_HAVE
−Groupby BUY_TYPE,
Relative Y
a
b
c
d
e
f
g
50000
40000
30000
20000
10000
0
4000
2000
20000
15000
10000
5000
600
400
200
A
B
count
REAL_ESTATE_HAVE
factor(BUY_TYPE)
a
b
c
d
e
f
g

REAL_ESTATE_HAVE
−Groupby REAL_ESTATE_HAVE ,
Fixed Y



REAL_ESTATE_HAVE
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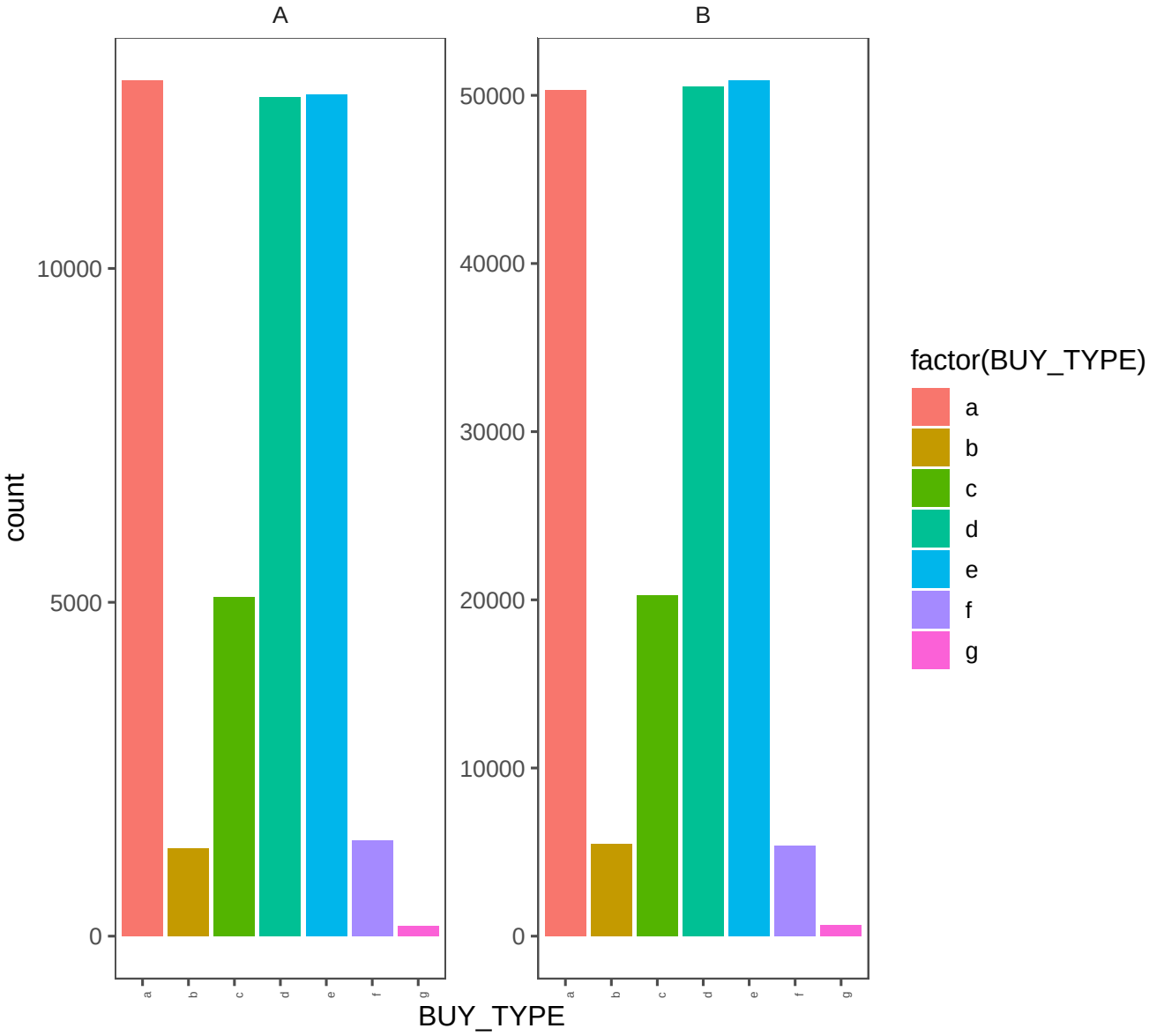
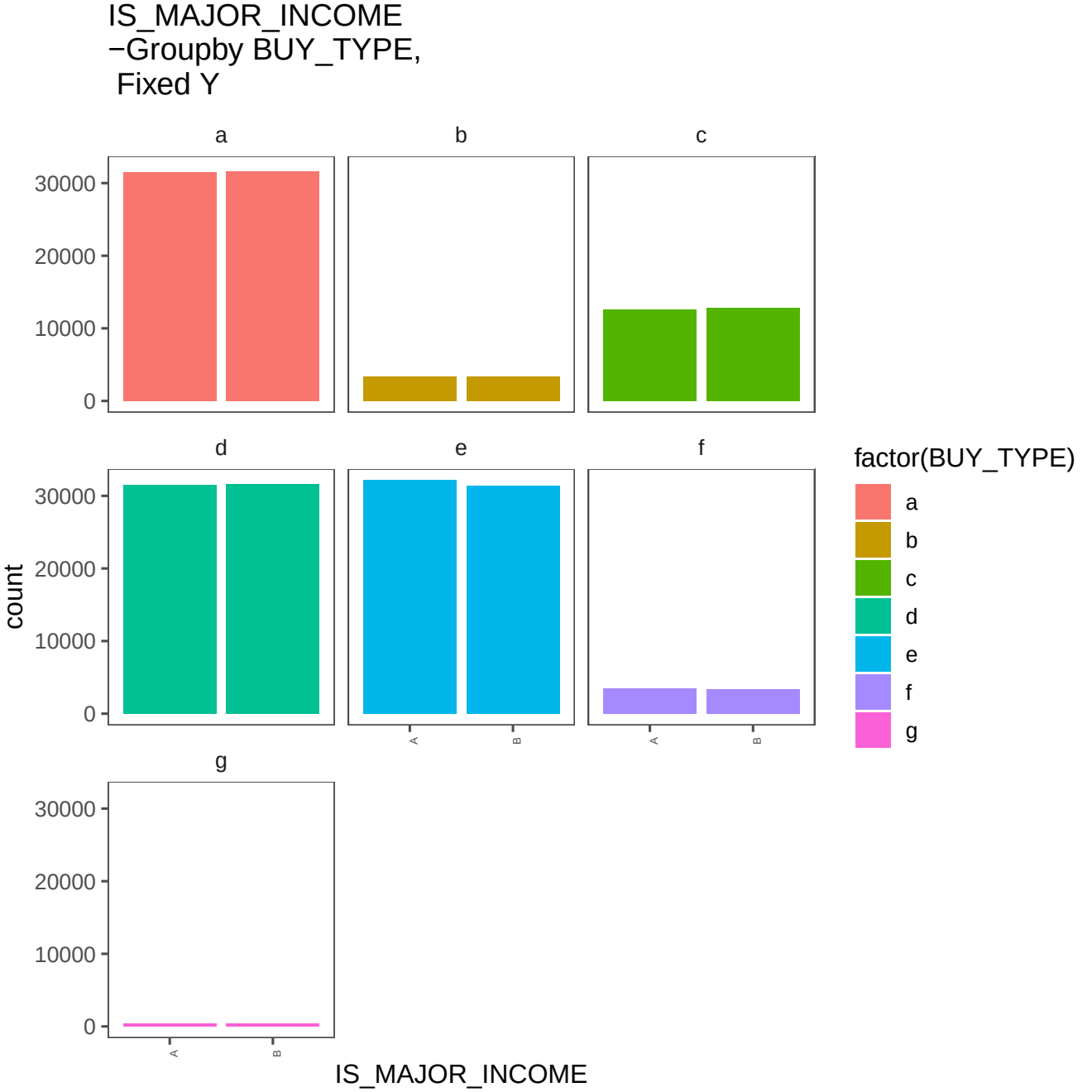
Relative Y




IS_MAJOR_INCOME
−Groupby BUY_TYPE,
Fixed Y
a
b
c
d
e
f
g
30000
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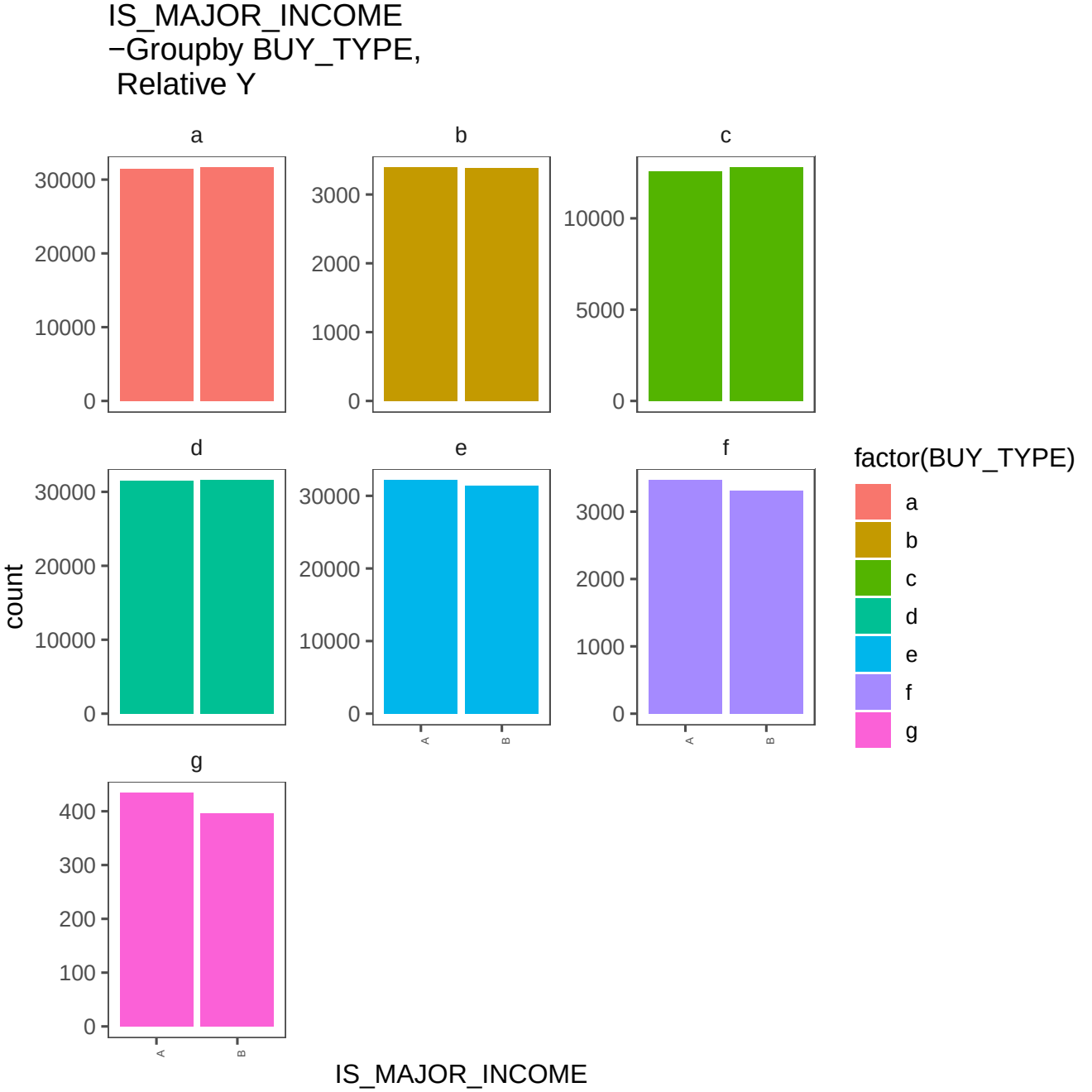
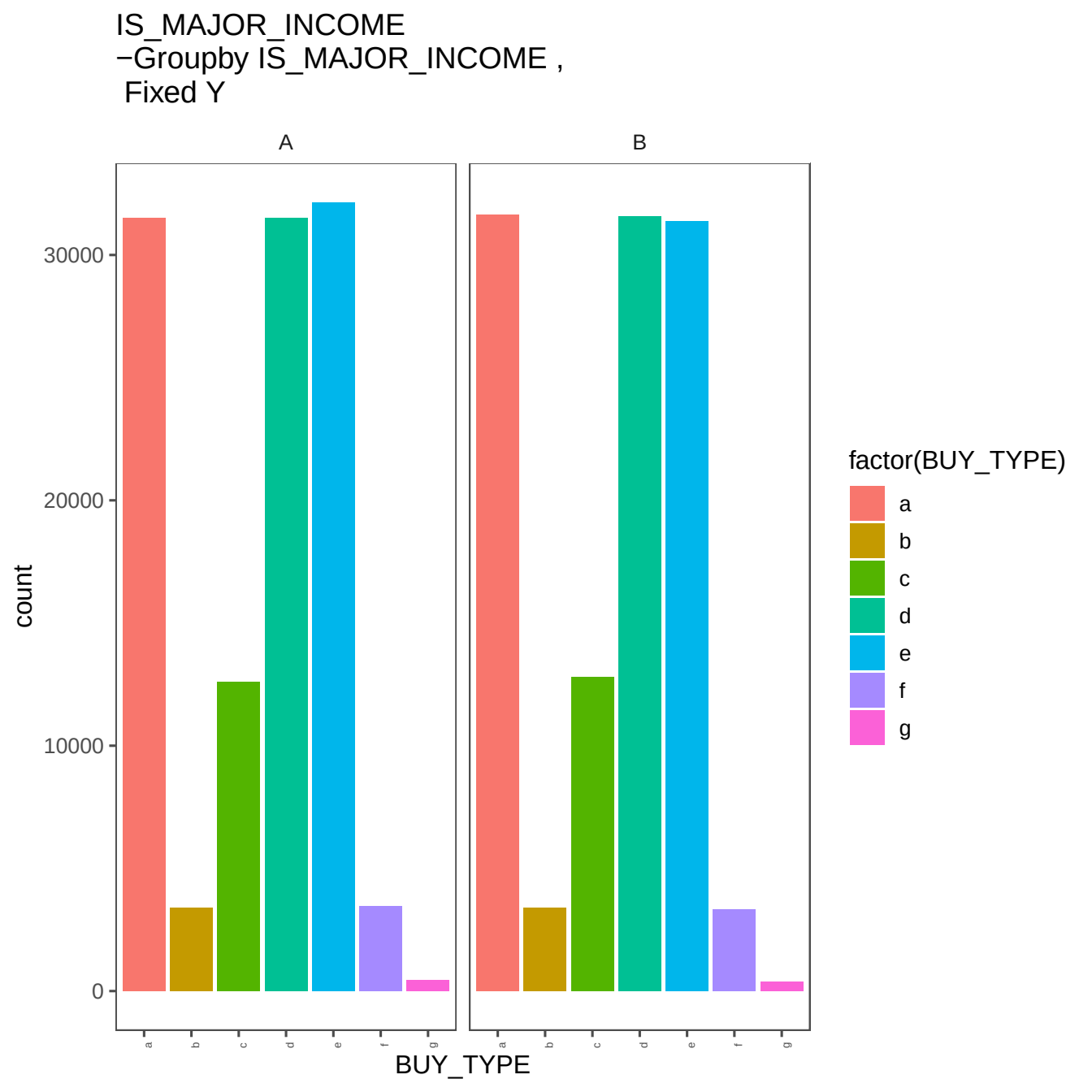
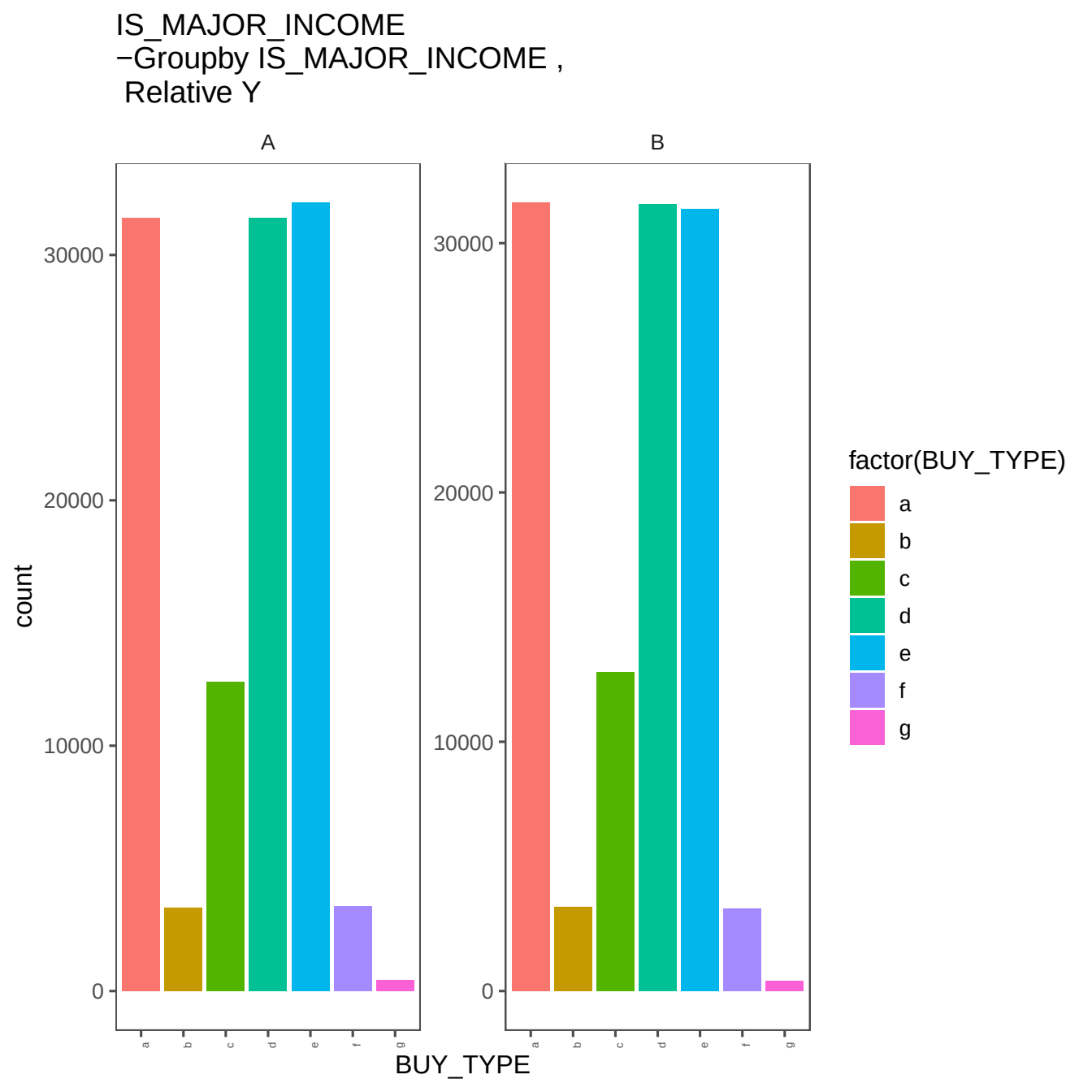
10000
0
count
A
B
IS_MAJOR_INCOME
factor(BUY_TYPE)
a
b
c
d
e
f
g


IS_MAJOR_INCOME
−Groupby BUY_TYPE,
Relative Y
a
b
c
d
e
f
g
30000
20000
10000
0
3000
2000
1000
5000
400
300
200
100
A
B
count
IS_MAJOR_INCOME
factor(BUY_TYPE)
a
b
c
d
e
f
g


IS_MAJOR_INCOME
−Groupby IS_MAJOR_INCOME ,
Fixed Y
A
B
30000
20000
10000
0
count
a
b
c
d
e
f
g
BUY_TYPE
factor(BUY_TYPE)
a
b
c
d
e
f
g


IS_MAJOR_INCOME
−Groupby IS_MAJOR_INCOME ,
Relative Y
A
B
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20000
10000
0
count
a
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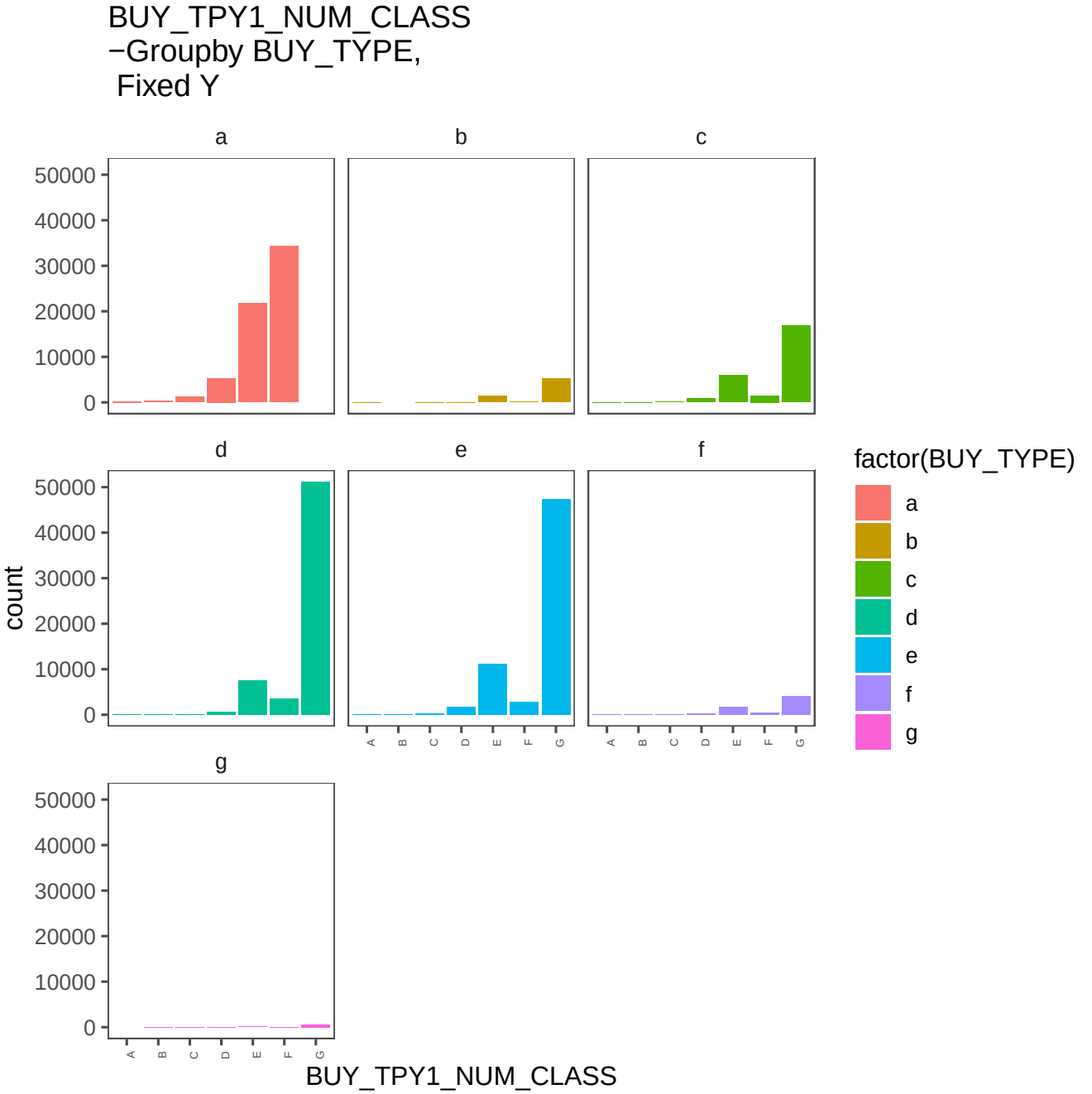
BUY_TYPE
factor(BUY_TYPE)


BUY_TPY1_NUM_CLASS
−Groupby BUY_TYPE,
Fixed Y
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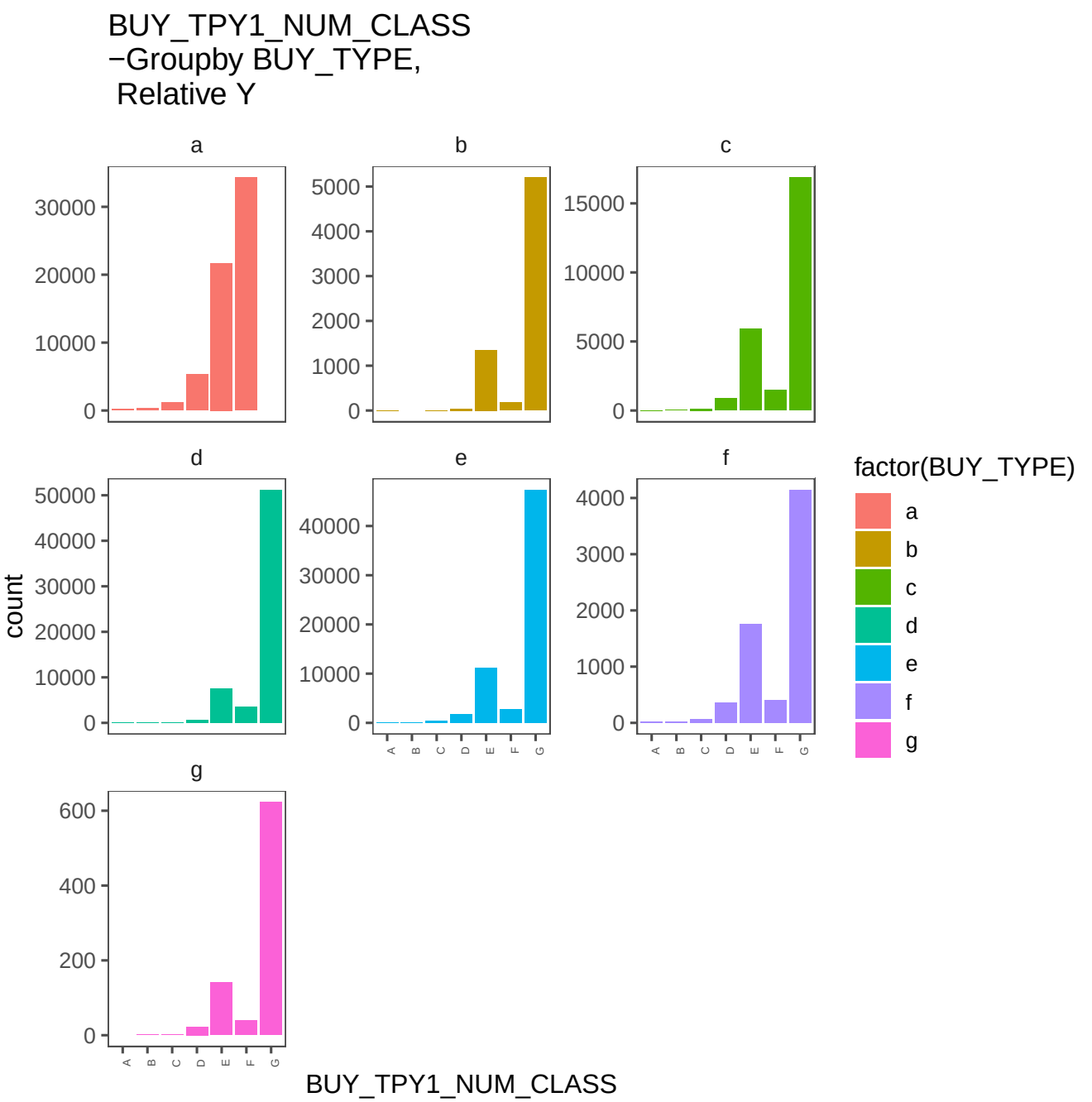
b
c
d
e
f
g
50000
40000
30000
20000
10000
0
count
A
B
C
D
E
F
G
BUY_TPY1_NUM_CLASS
factor(BUY_TYPE)
a
b
c
d
e
f
g


BUY_TPY1_NUM_CLASS
−Groupby BUY_TYPE,
Relative Y
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d
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f
g
count
BUY_TPY1_NUM_CLASS
factor(BUY_TYPE)
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b
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d
e
f
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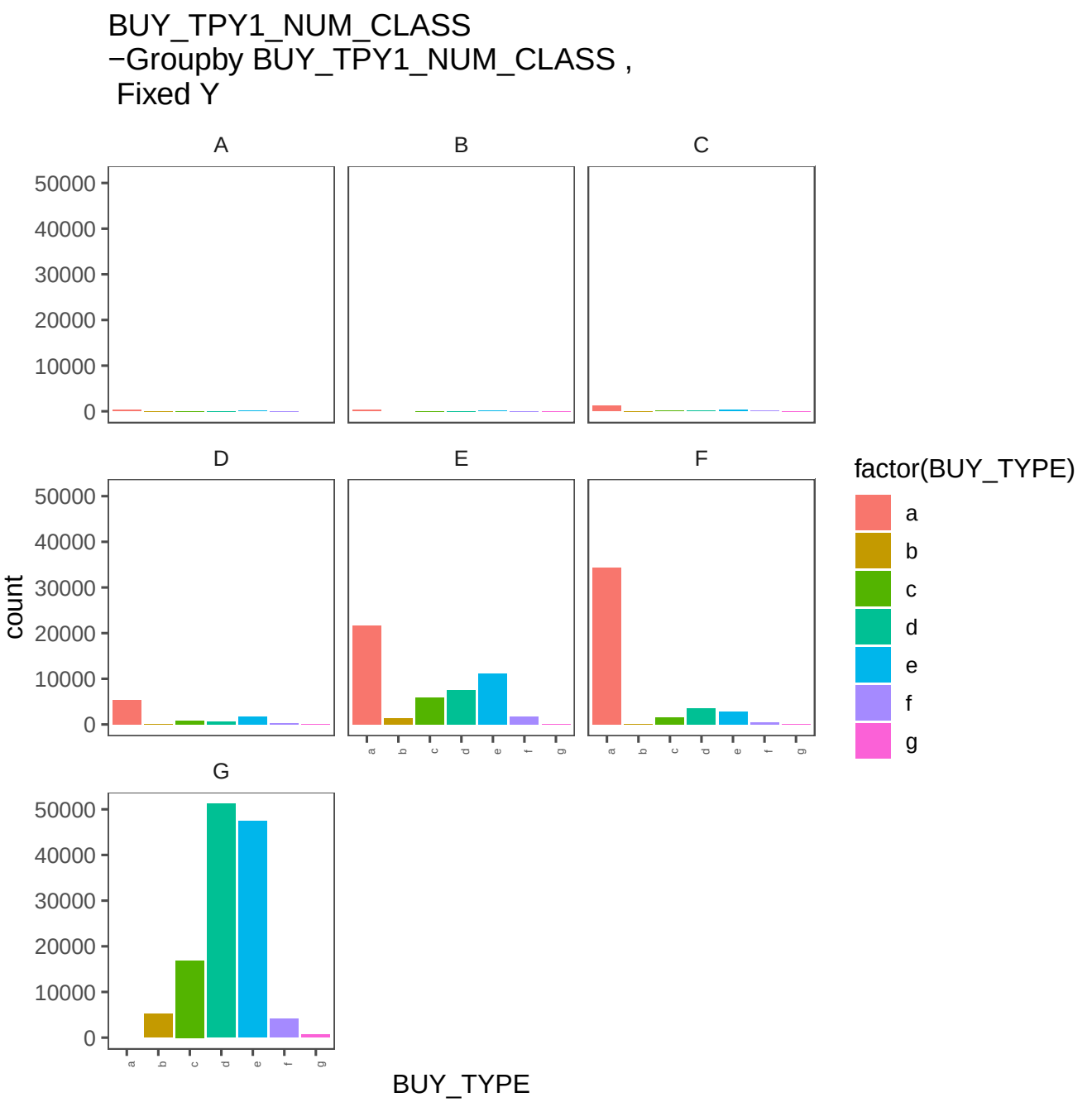
BUY_TPY1_NUM_CLASS
−Groupby BUY_TPY1_NUM_CLASS ,
Fixed Y
A
B
C
D
E
F
G
50000
40000
30000
20000
10000
0
count
a
b
c
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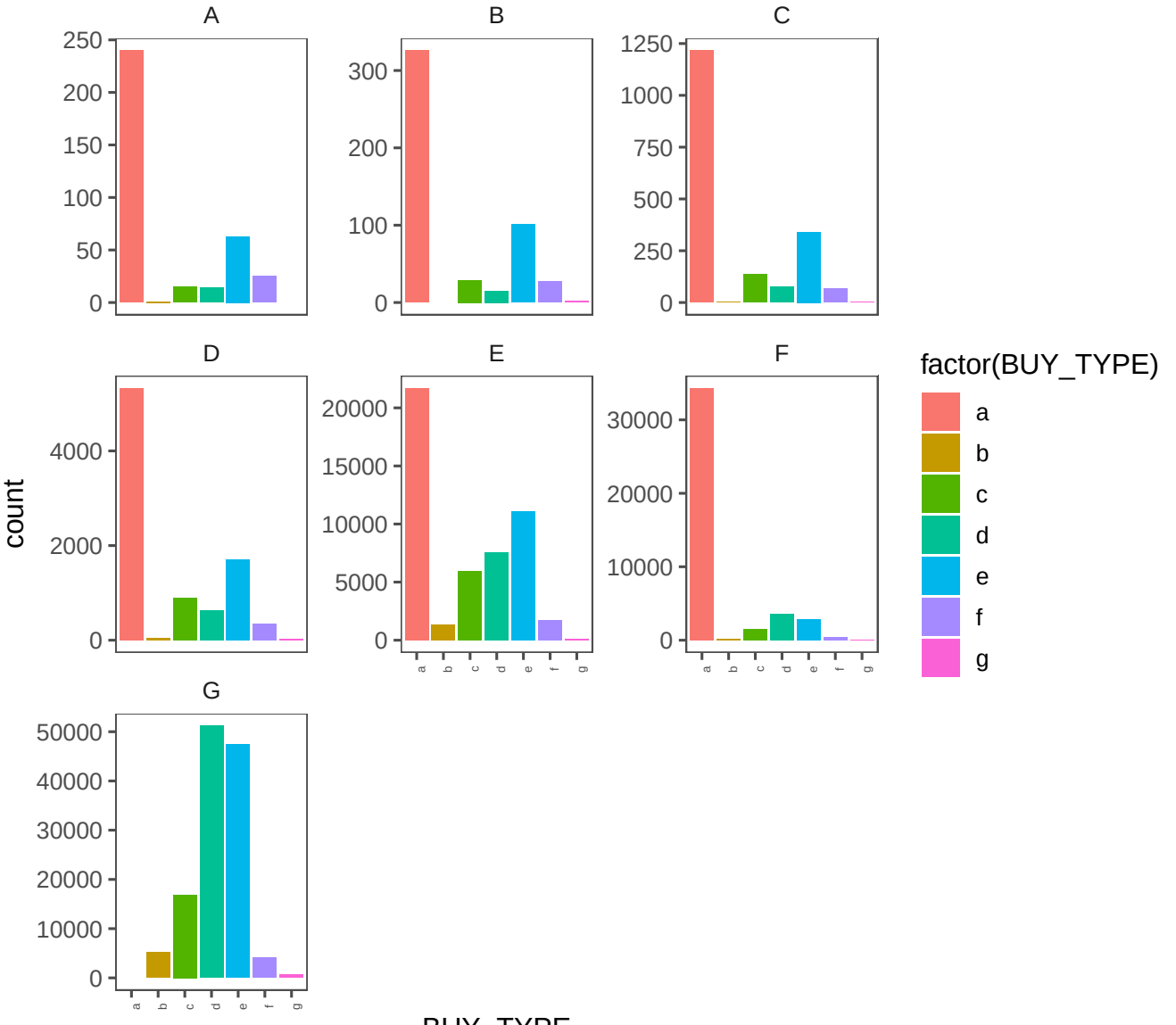
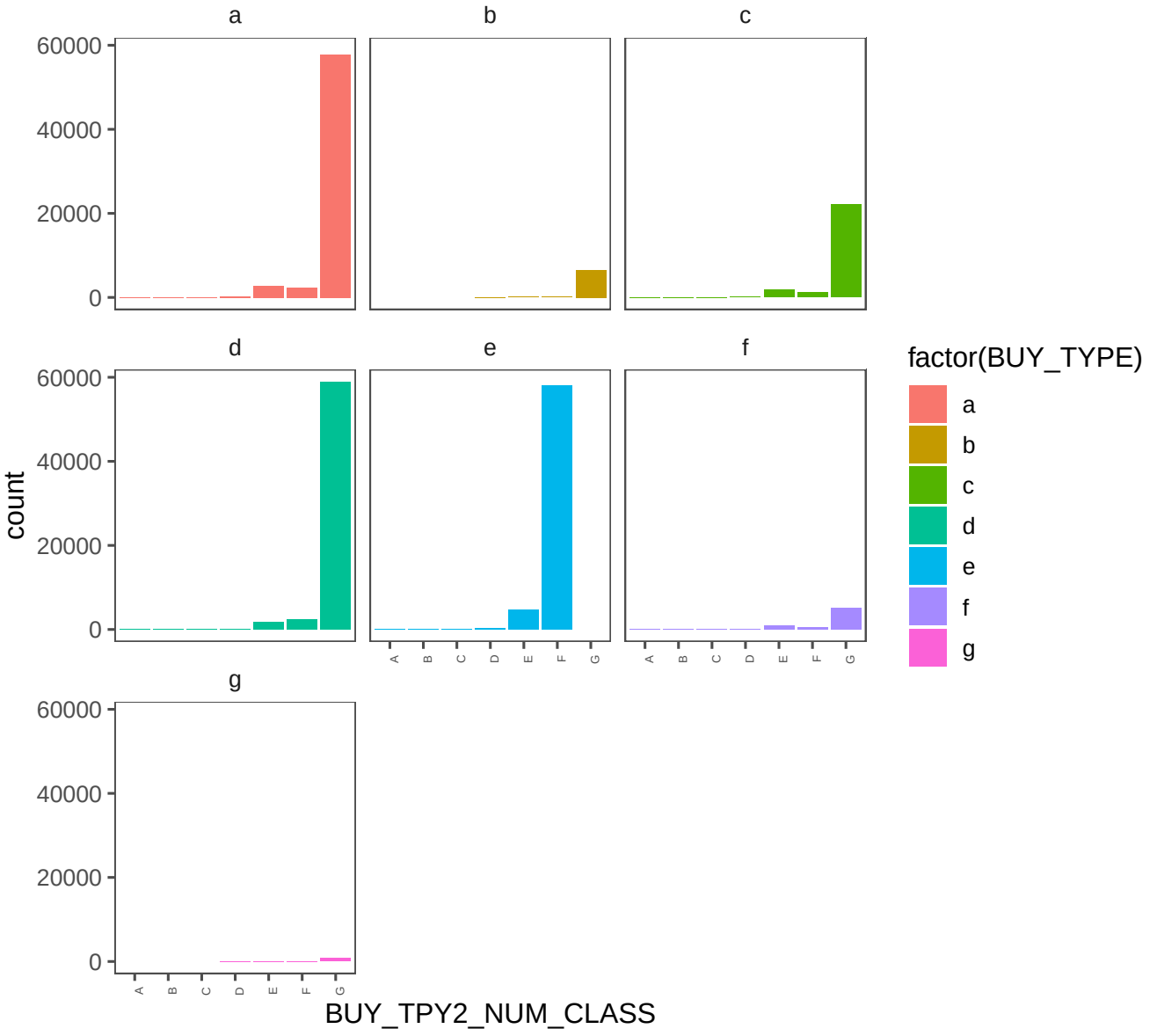
e
f
g
factor(BUY_TYPE)
BUY_TYPE

BUY_TPY1_NUM_CLASS
−Groupby BUY_TPY1_NUM_CLASS ,
Relative Y




BUY_TPY2_NUM_CLASS
−Groupby BUY_TYPE,
Fixed Y
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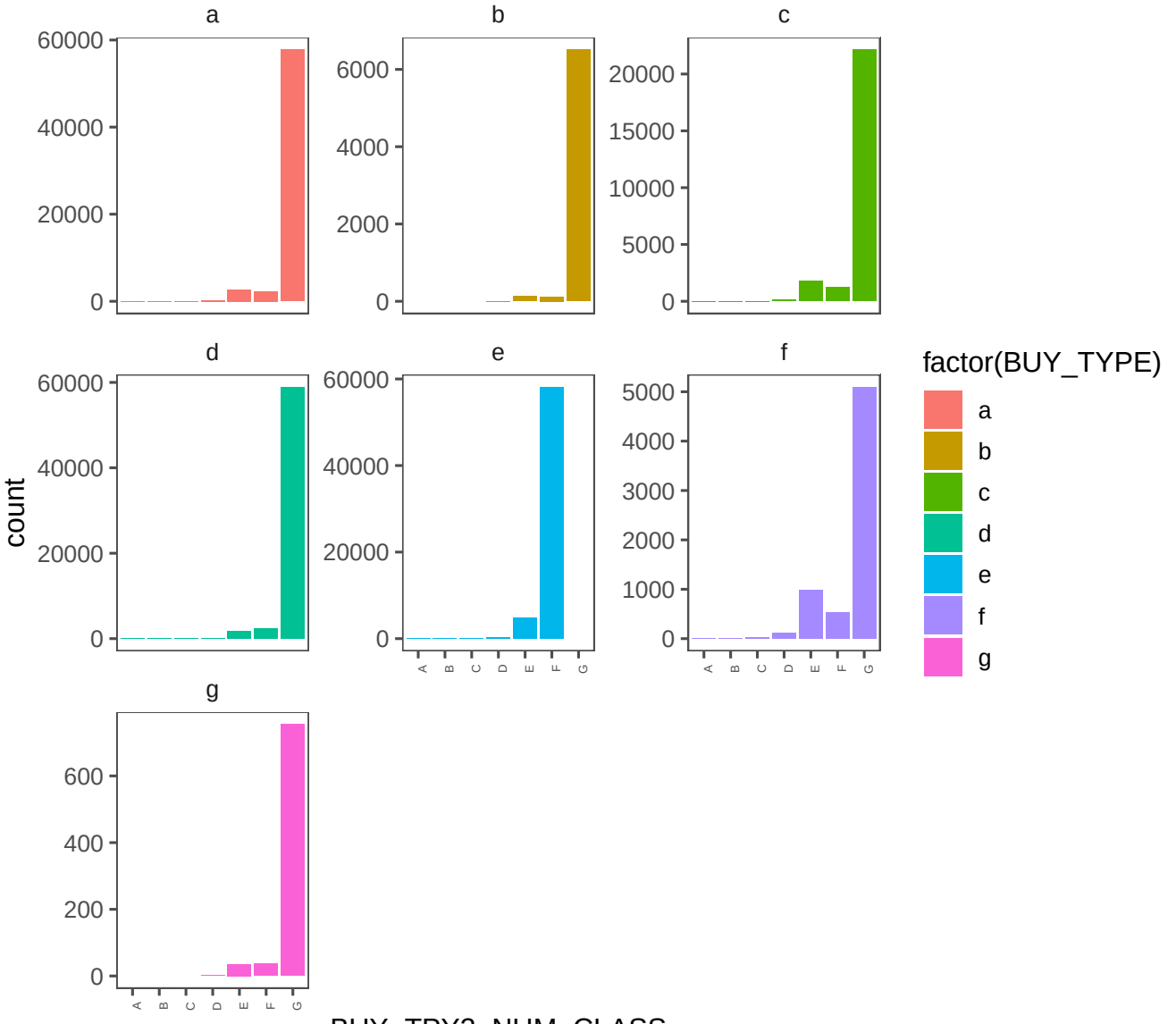
b
c
d
e
f
g
60000
40000
20000
0
count
A
B
C
D
E
F
G
BUY_TPY2_NUM_CLASS
factor(BUY_TYPE)
a
b
c
d
e
f
g


BUY_TPY2_NUM_CLASS
−Groupby BUY_TYPE,
Relative Y
a
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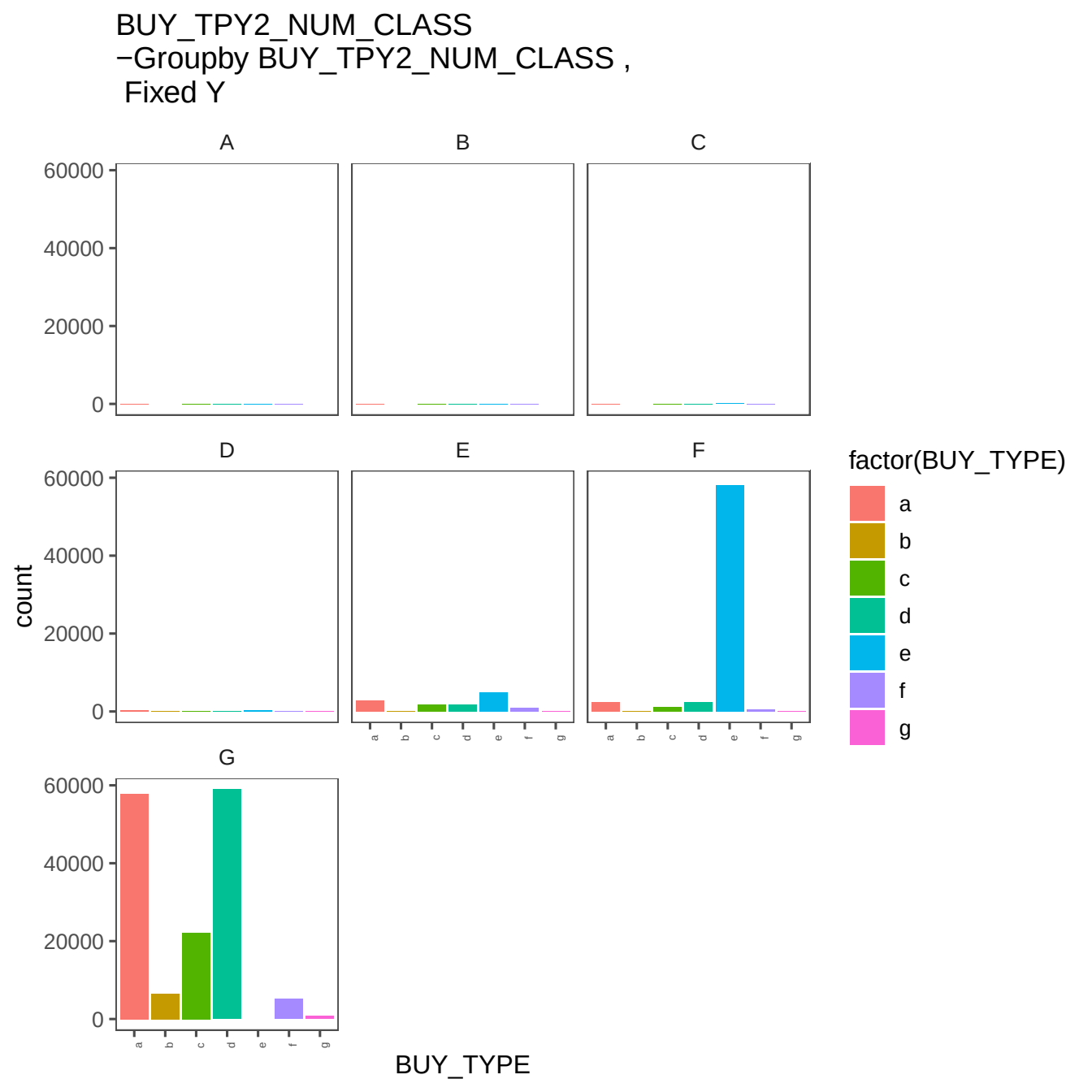
c
d
e
f
g
count
BUY_TPY2_NUM_CLASS
factor(BUY_TYPE)
a
b
c
d
e
f
g


BUY_TPY2_NUM_CLASS
−Groupby BUY_TPY2_NUM_CLASS ,
Fixed Y
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B
C
D
E
F
G
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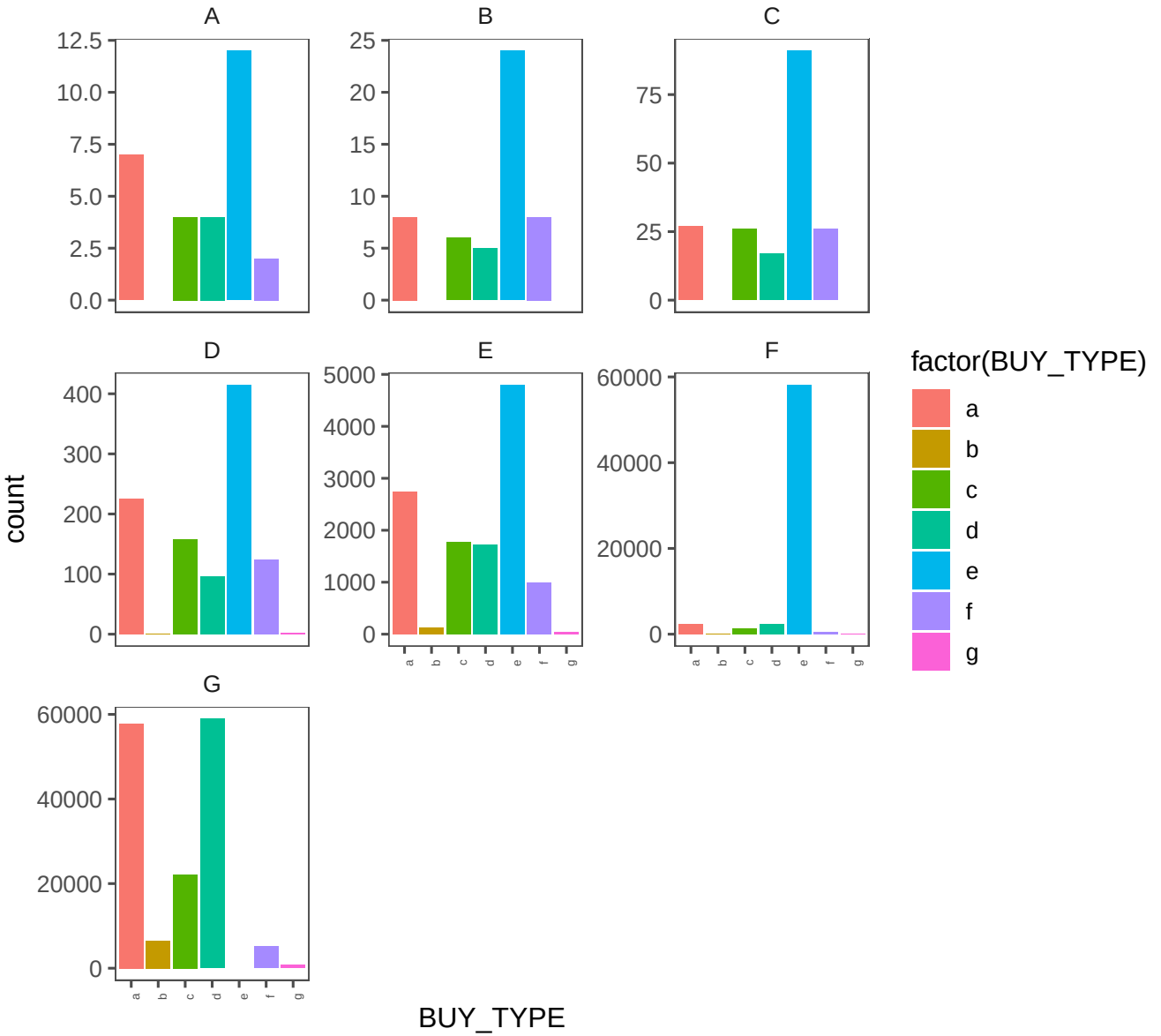
40000
20000
0
count
a
b
c
d
e
f
g
factor(BUY_TYPE)
BUY_TYPE


BUY_TPY2_NUM_CLASS
−Groupby BUY_TPY2_NUM_CLASS ,
Relative Y
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B
C
D
E
F
G
count
BUY_TYPE
factor(BUY_TYPE)
a
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f
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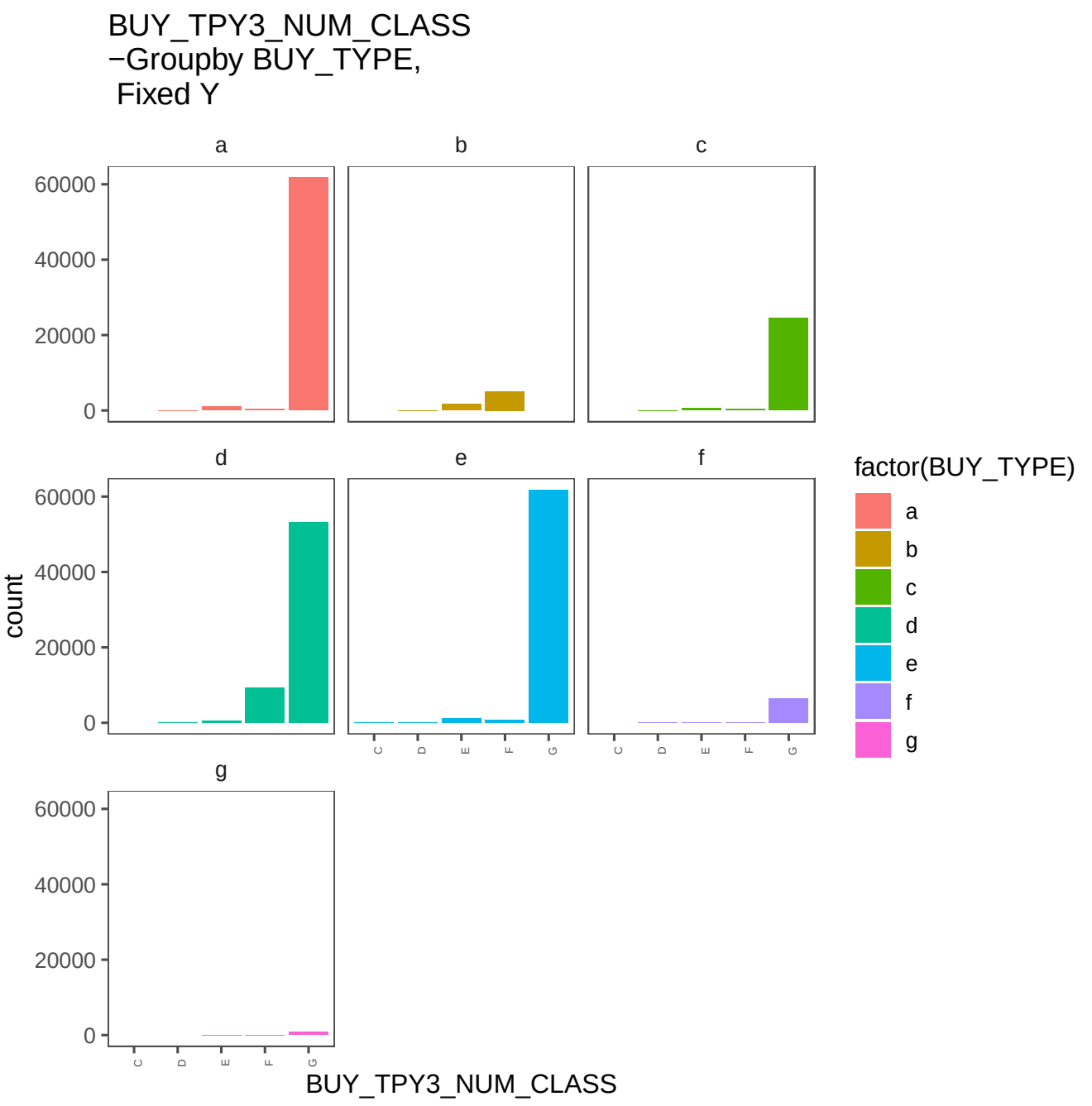
BUY_TPY3_NUM_CLASS
−Groupby BUY_TYPE,
Fixed Y
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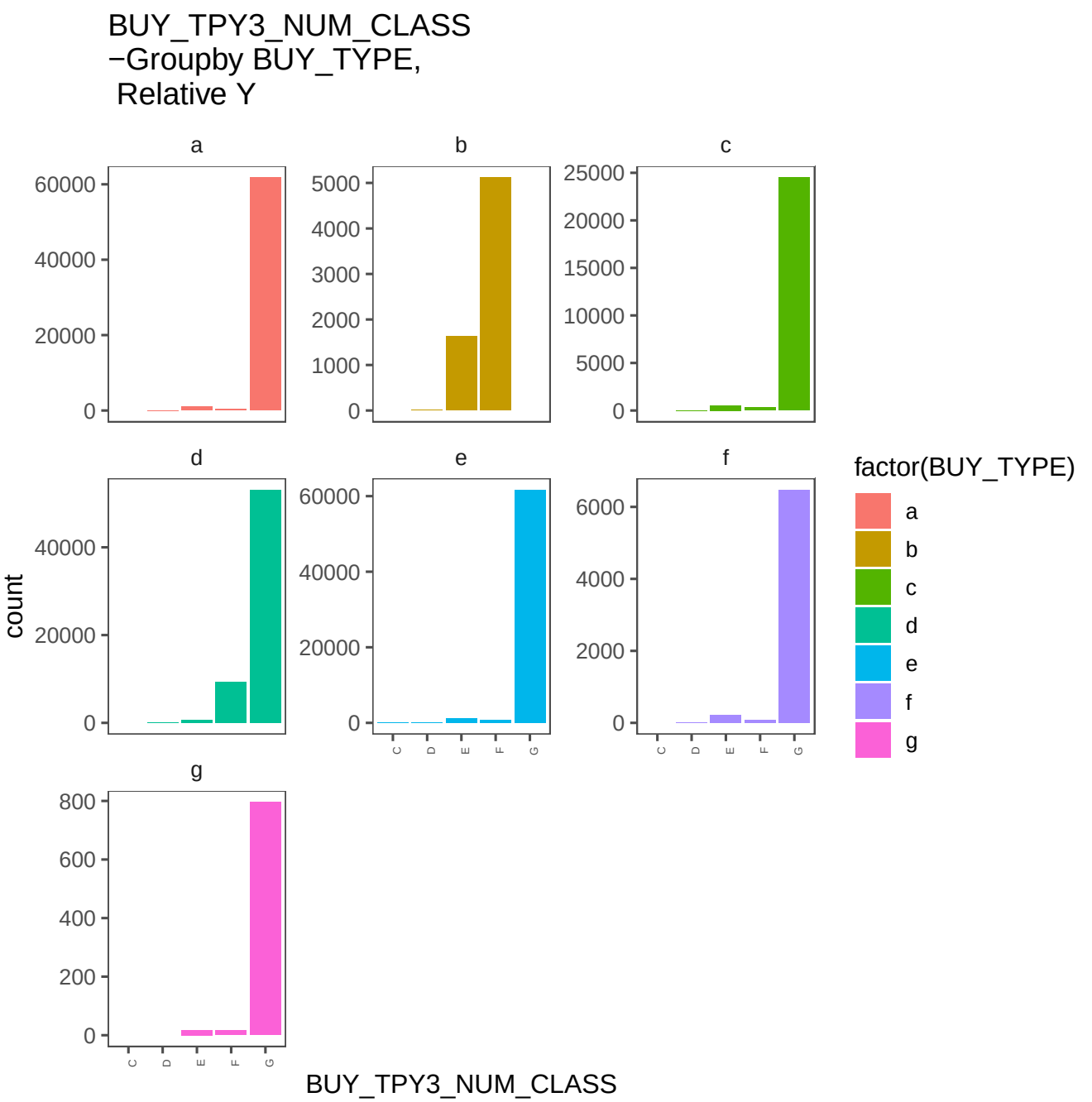
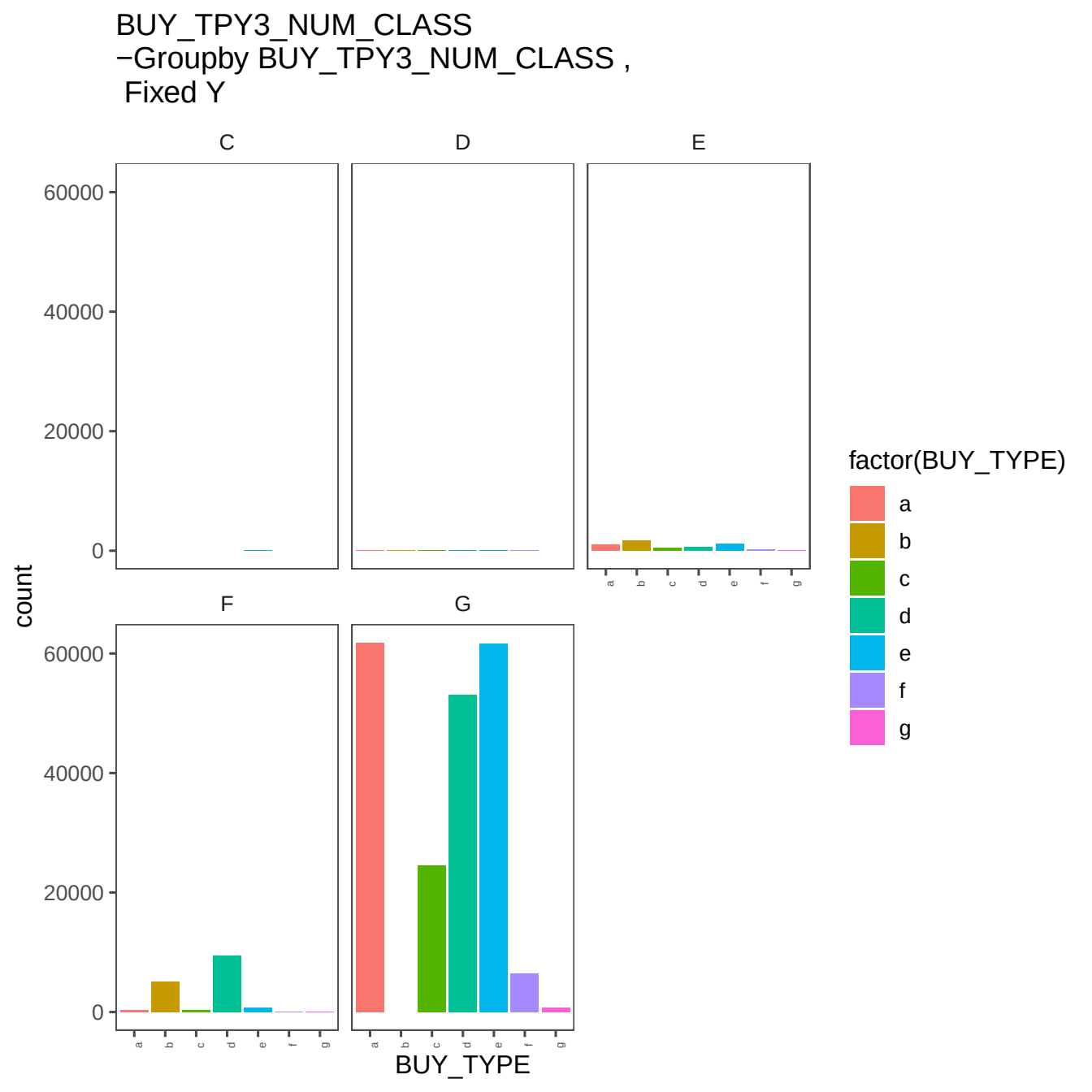
b
c
d
e
f
g
60000
40000
20000
0
count
C
D
E
F
G
BUY_TPY3_NUM_CLASS
factor(BUY_TYPE)
a
b
c
d
e
f
g


BUY_TPY3_NUM_CLASS
−Groupby BUY_TYPE,
Relative Y
a
b
c
d
e
f
g
count
BUY_TPY3_NUM_CLASS
C
D
E
F
G
factor(BUY_TYPE)
a
b
c
d
e
f
g


BUY_TPY3_NUM_CLASS
−Groupby BUY_TPY3_NUM_CLASS ,
Fixed Y
C
D
E
F
G
60000
40000
20000
0
count
a
b
c
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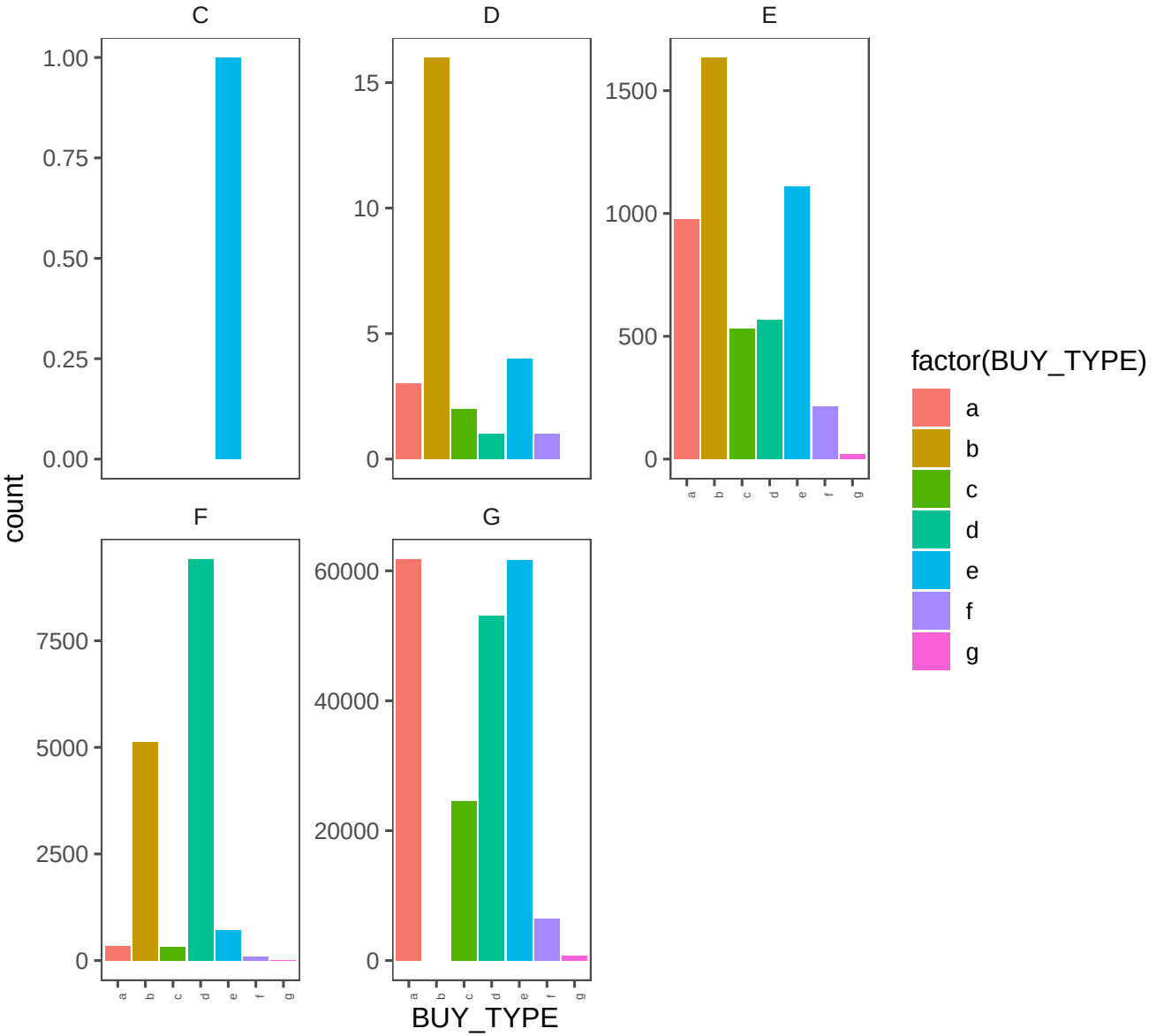
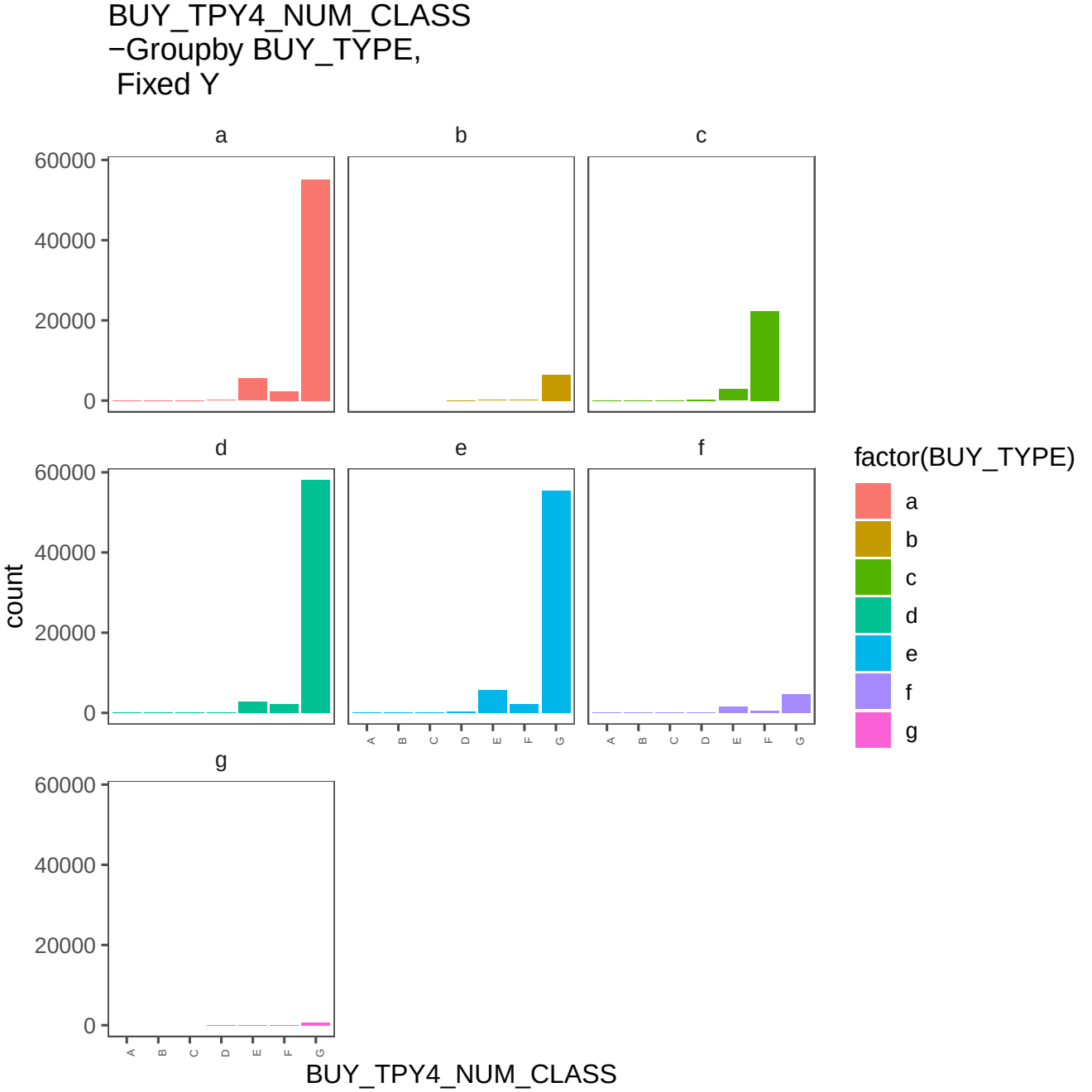
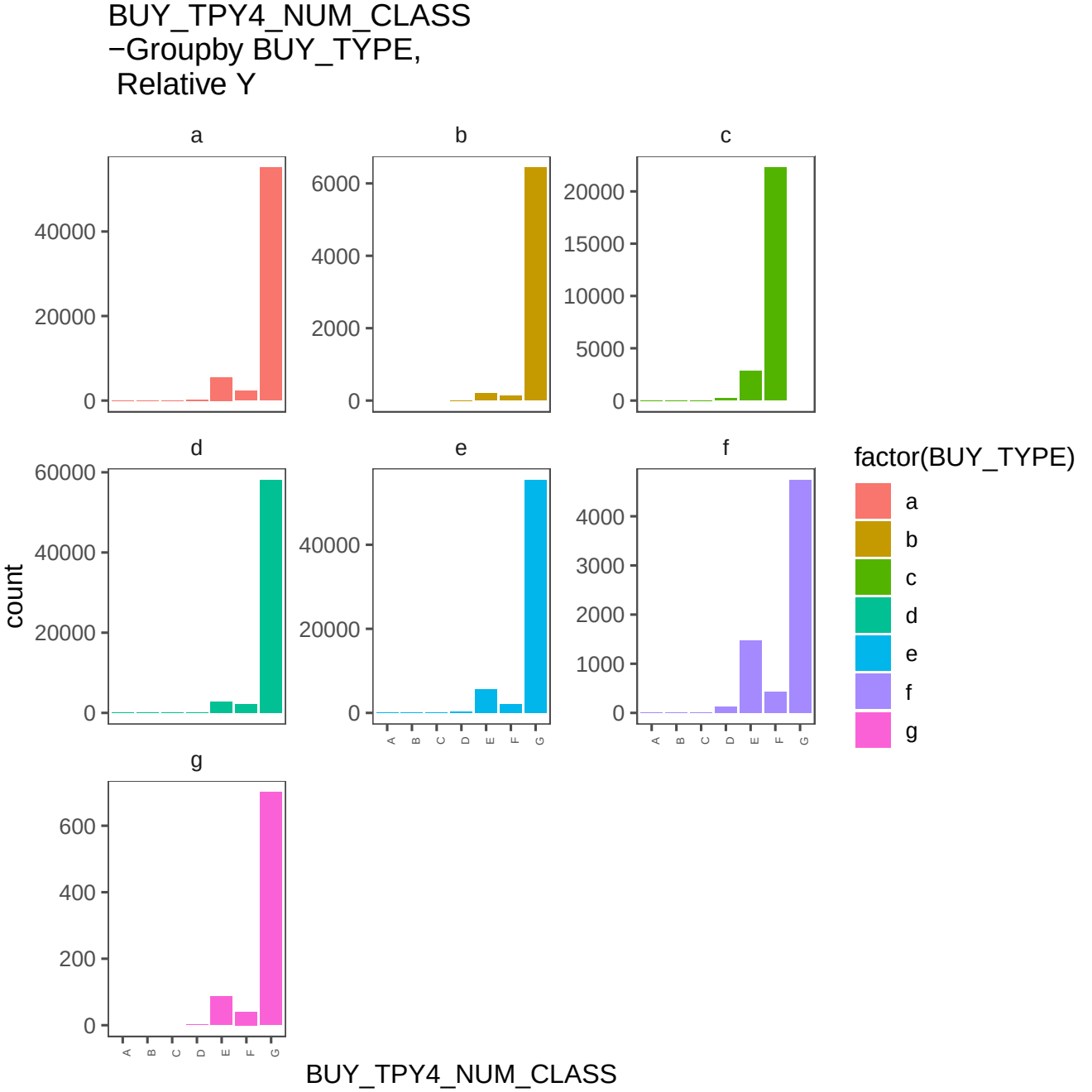
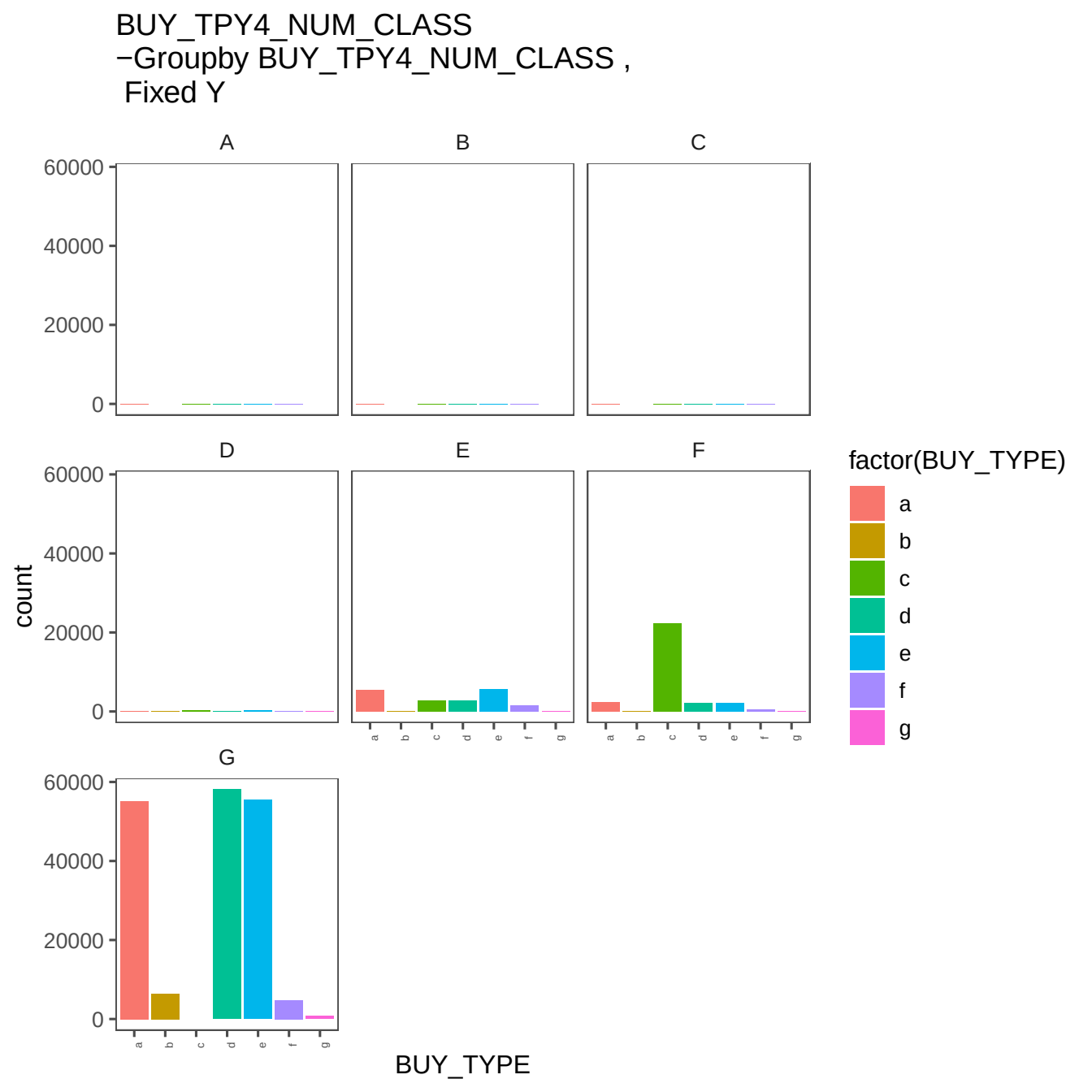
e
f
g
BUY_TYPE
factor(BUY_TYPE)

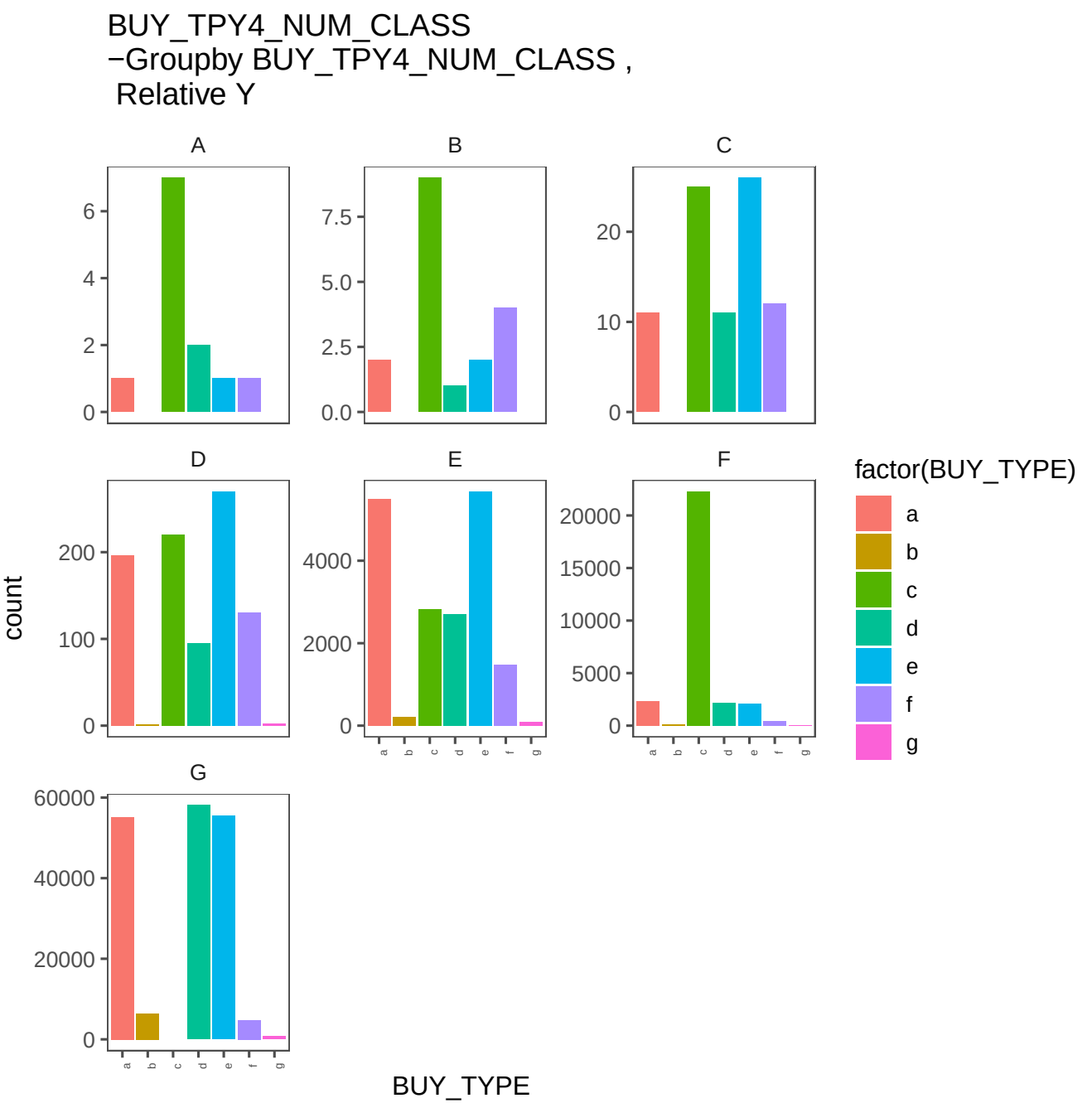
BUY_TPY3_NUM_CLASS
−Groupby BUY_TPY3_NUM_CLASS ,
Relative Y




BUY_TPY4_NUM_CLASS
−Groupby BUY_TYPE,
Fixed Y
a
b
c
d
e
f
g
60000
40000
20000
0
count
A
B
C
D
E
F
G
BUY_TPY4_NUM_CLASS
factor(BUY_TYPE)
a
b
c
d
e
f
g


BUY_TPY4_NUM_CLASS
−Groupby BUY_TYPE,
Relative Y
a
b
c
d
e
f
g
count
BUY_TPY4_NUM_CLASS
factor(BUY_TYPE)
a
b
c
d
e
f
g


BUY_TPY4_NUM_CLASS
−Groupby BUY_TPY4_NUM_CLASS ,
Fixed Y
A
B
C
D
E
F
G
60000
40000
20000
0
count
a
b
c
d
e
f
g
BUY_TYPE
factor(BUY_TYPE)


BUY_TPY4_NUM_CLASS
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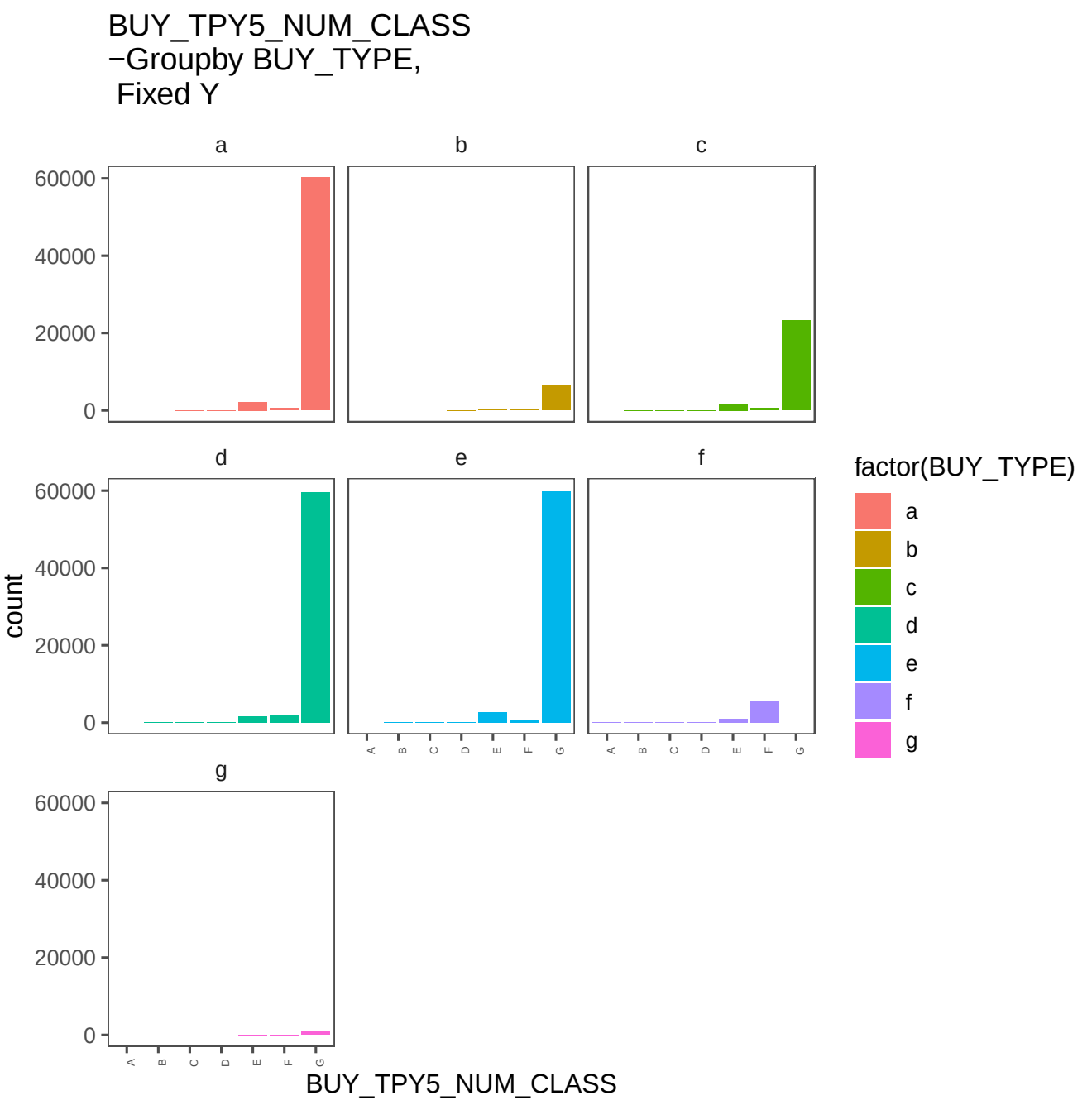
Relative Y
A
B
C
D
E
F
G
count
BUY_TYPE
factor(BUY_TYPE)
a
b
c
d
e
f
g


BUY_TPY5_NUM_CLASS
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Fixed Y
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b
c
d
e
f
g
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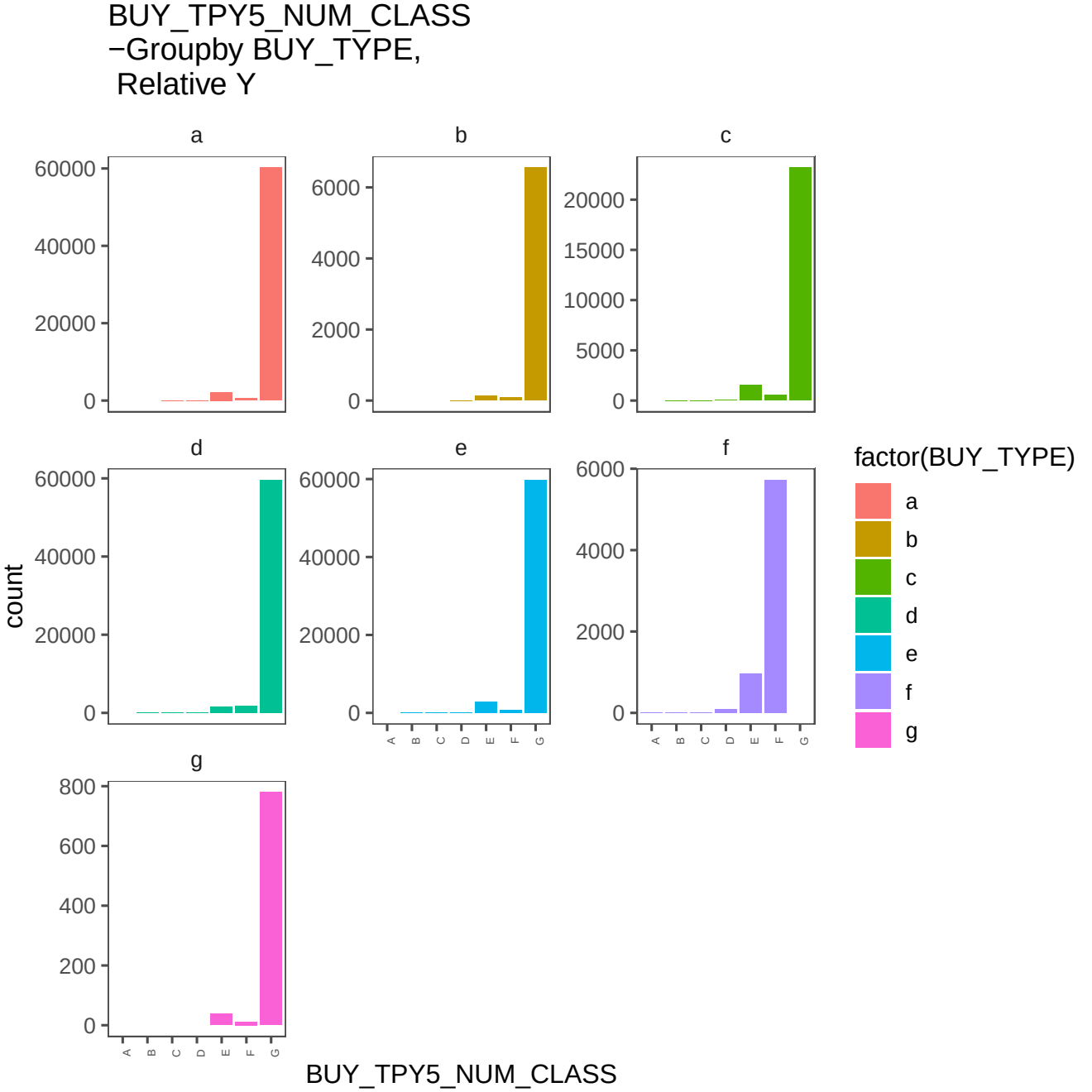
40000
20000
0
count
A
B
C
D
E
F
G
BUY_TPY5_NUM_CLASS
factor(BUY_TYPE)
a
b
c
d
e
f
g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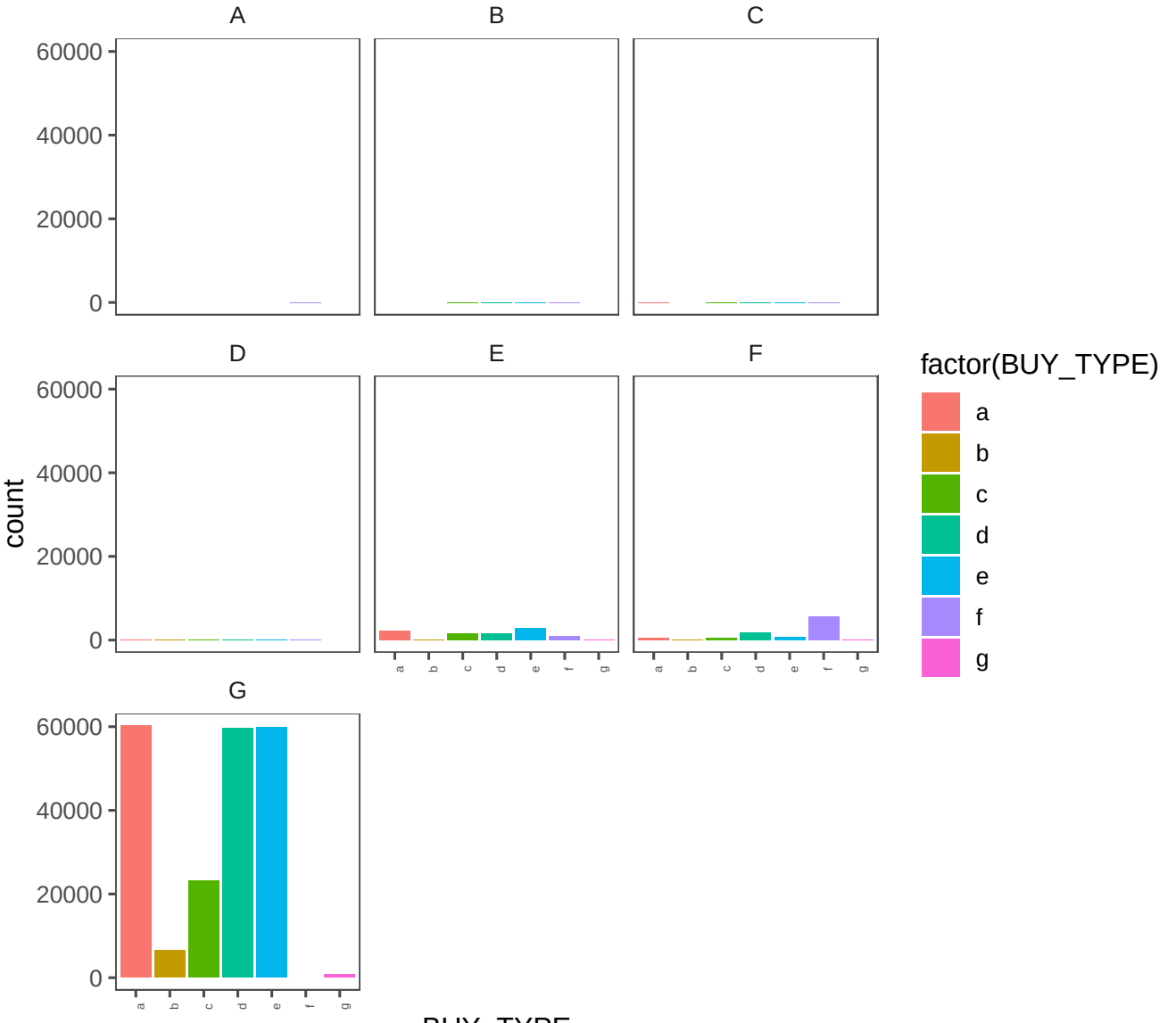
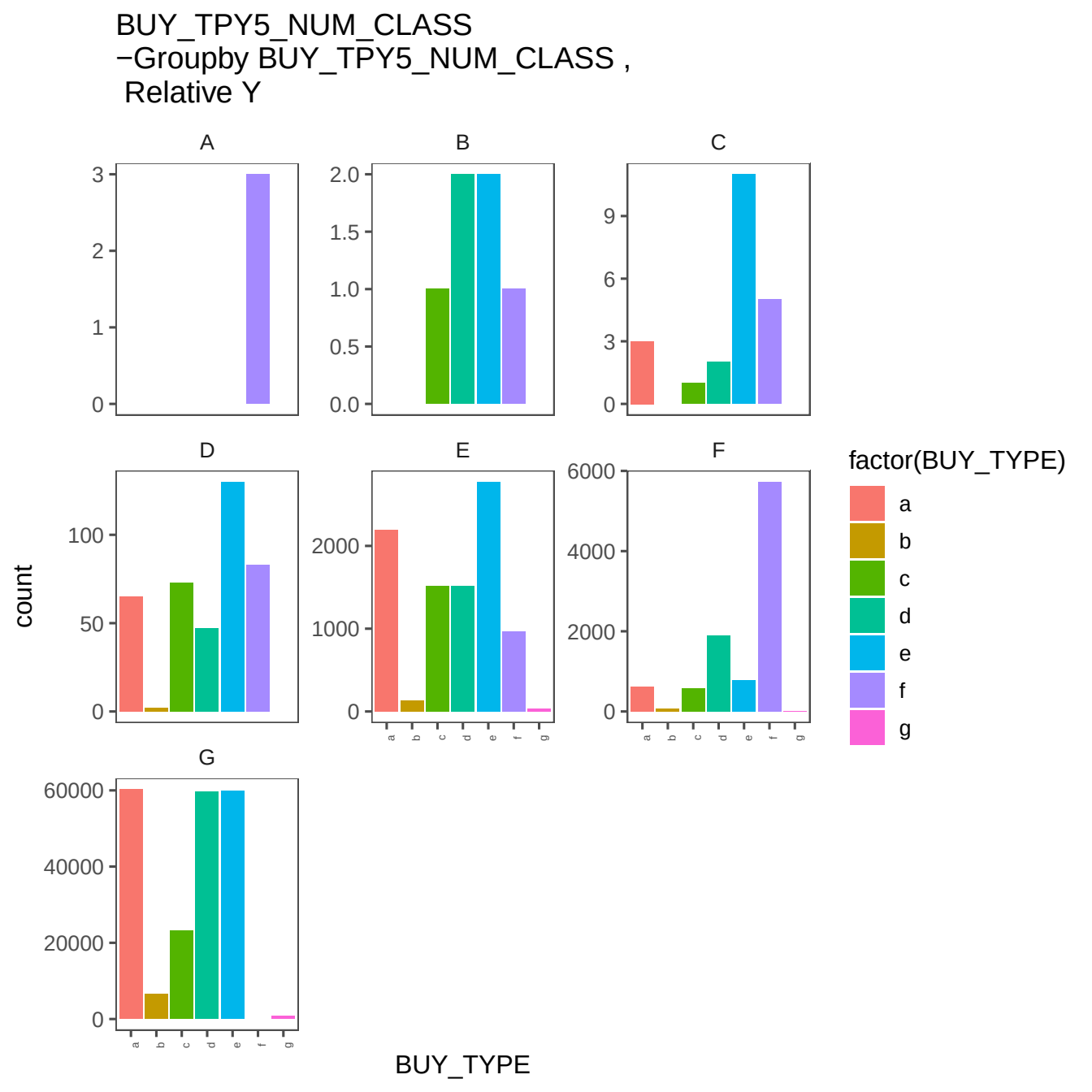
Relative Y
a
b
c
d
e
f
g
count
BUY_TPY5_NUM_CLASS
factor(BUY_TYPE)
a
b
c
d
e
f
g

BUY_TPY5_NUM_CLASS
−Groupby BUY_TPY5_NUM_CLASS ,
Fixed Y




BUY_TPY5_NUM_CLASS
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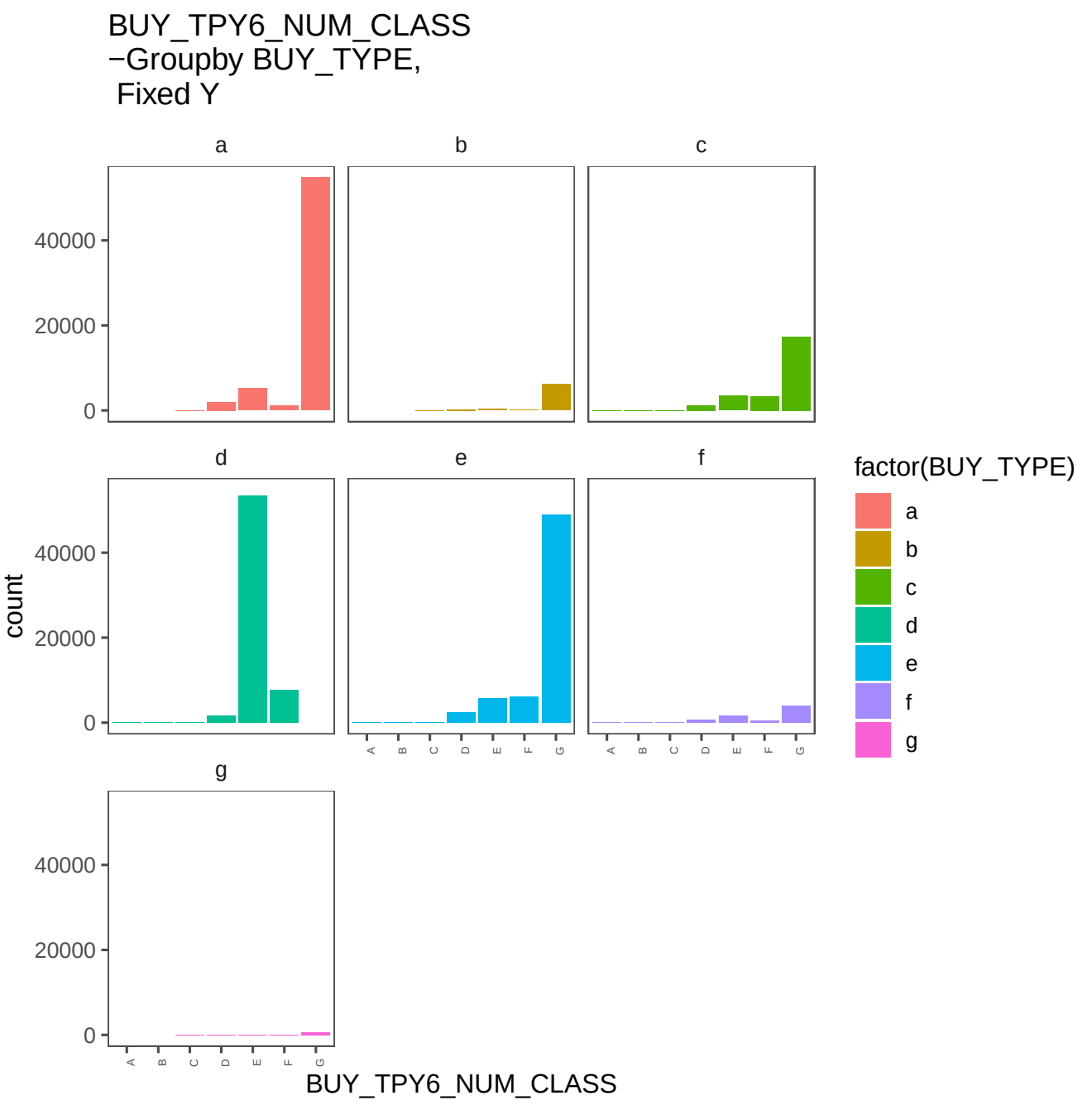
Relative Y
A
B
C
D
E
F
G
count
BUY_TYPE
factor(BUY_TYPE)
a
b
c
d
e
f
g


BUY_TPY6_NUM_CLASS
−Groupby BUY_TYPE,
Fixed Y
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b
c
d
e
f
g
40000
20000
0
count
A
B
C
D
E
F
G
BUY_TPY6_NUM_CLASS
factor(BUY_TYPE)
a
b
c
d
e
f
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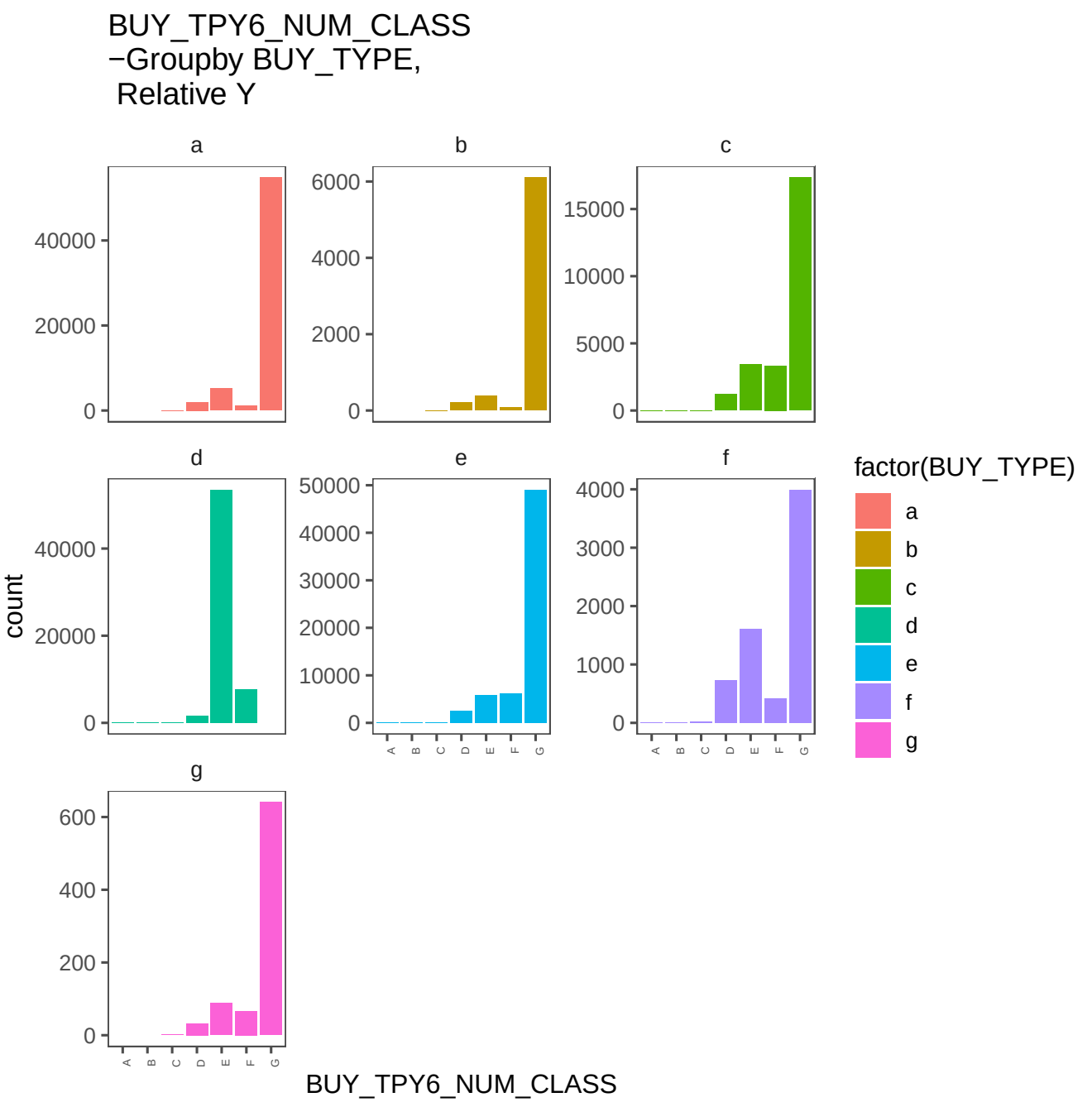
BUY_TPY6_NUM_CLASS
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Relative Y
a
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g
count
BUY_TPY6_NUM_CLASS
factor(BUY_TYPE)
a
b
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f
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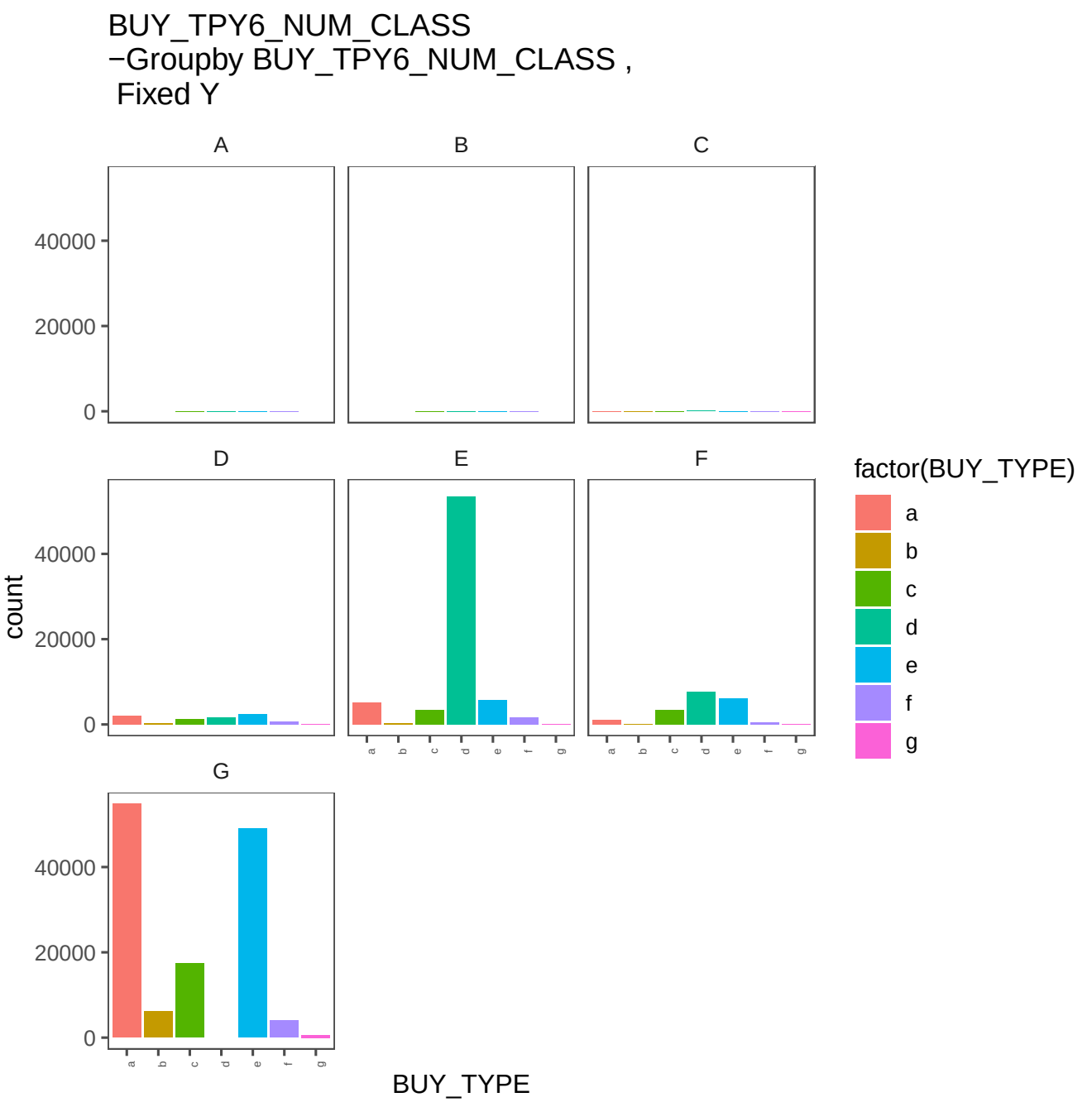
BUY_TPY6_NUM_CLASS
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Fixed Y
A
B
C
D
E
F
G
40000
20000
0
count
a
b
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factor(BUY_TYPE)
BUY_TYPE

BUY_TPY6_NUM_CLASS
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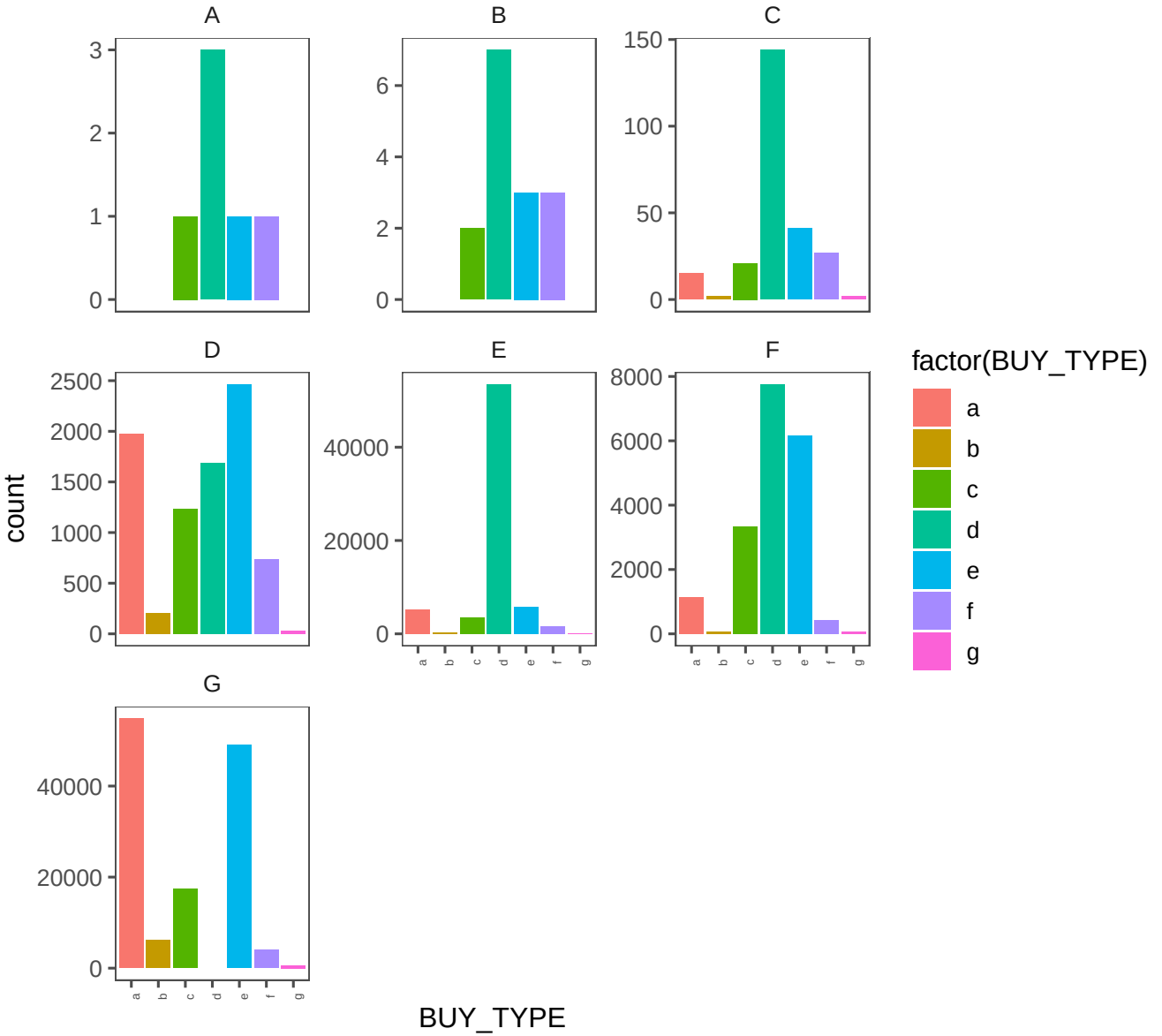
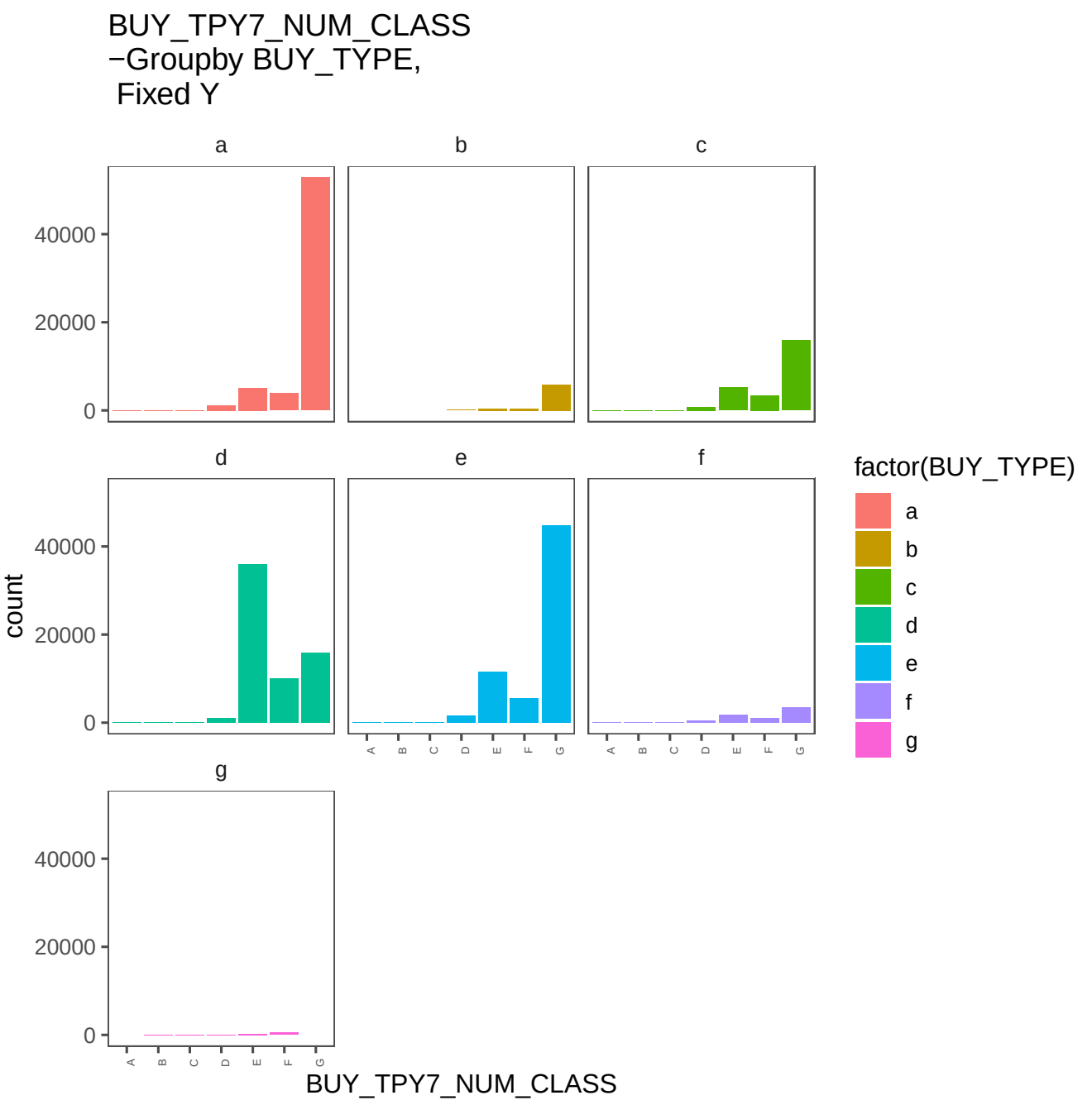
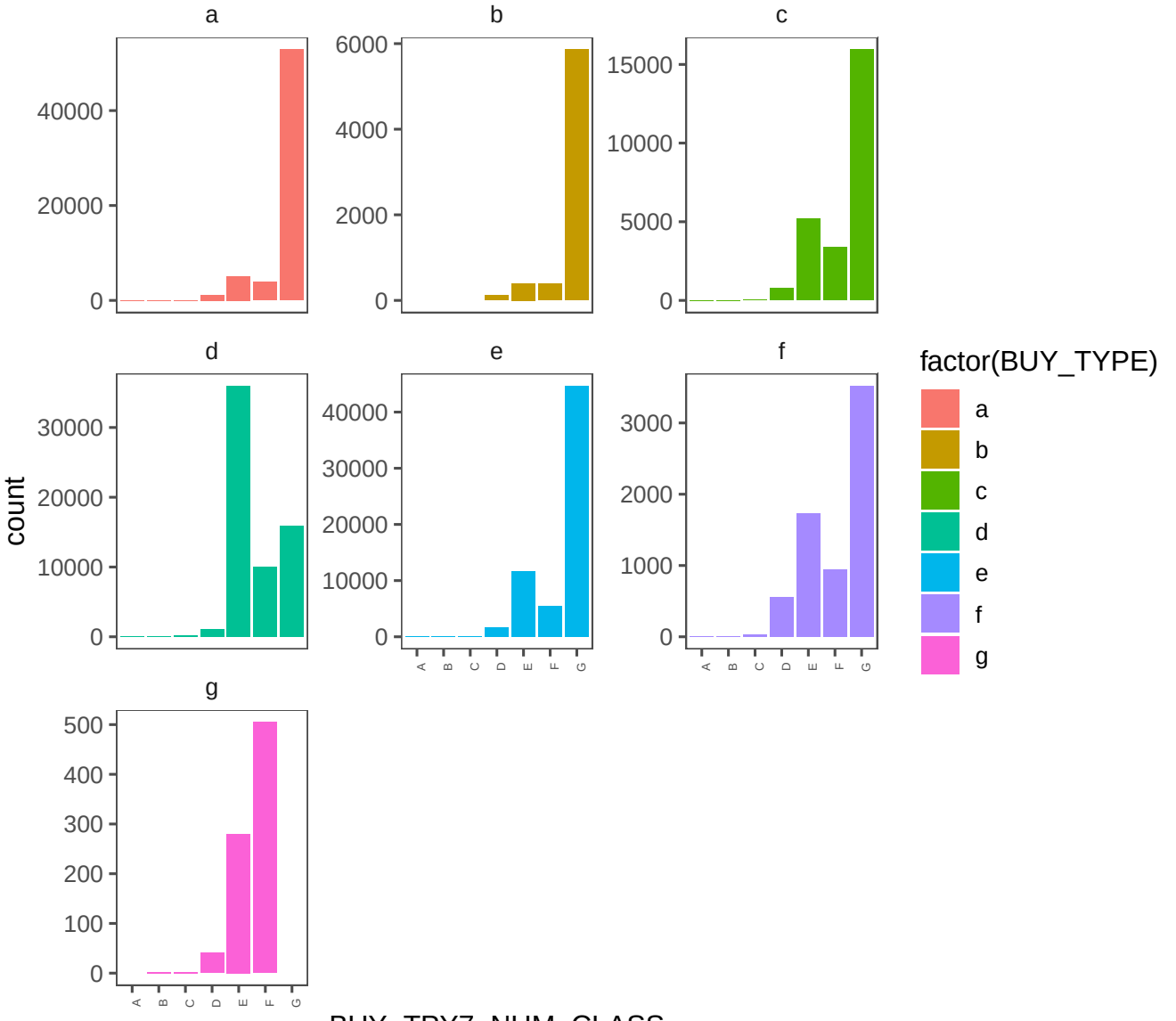
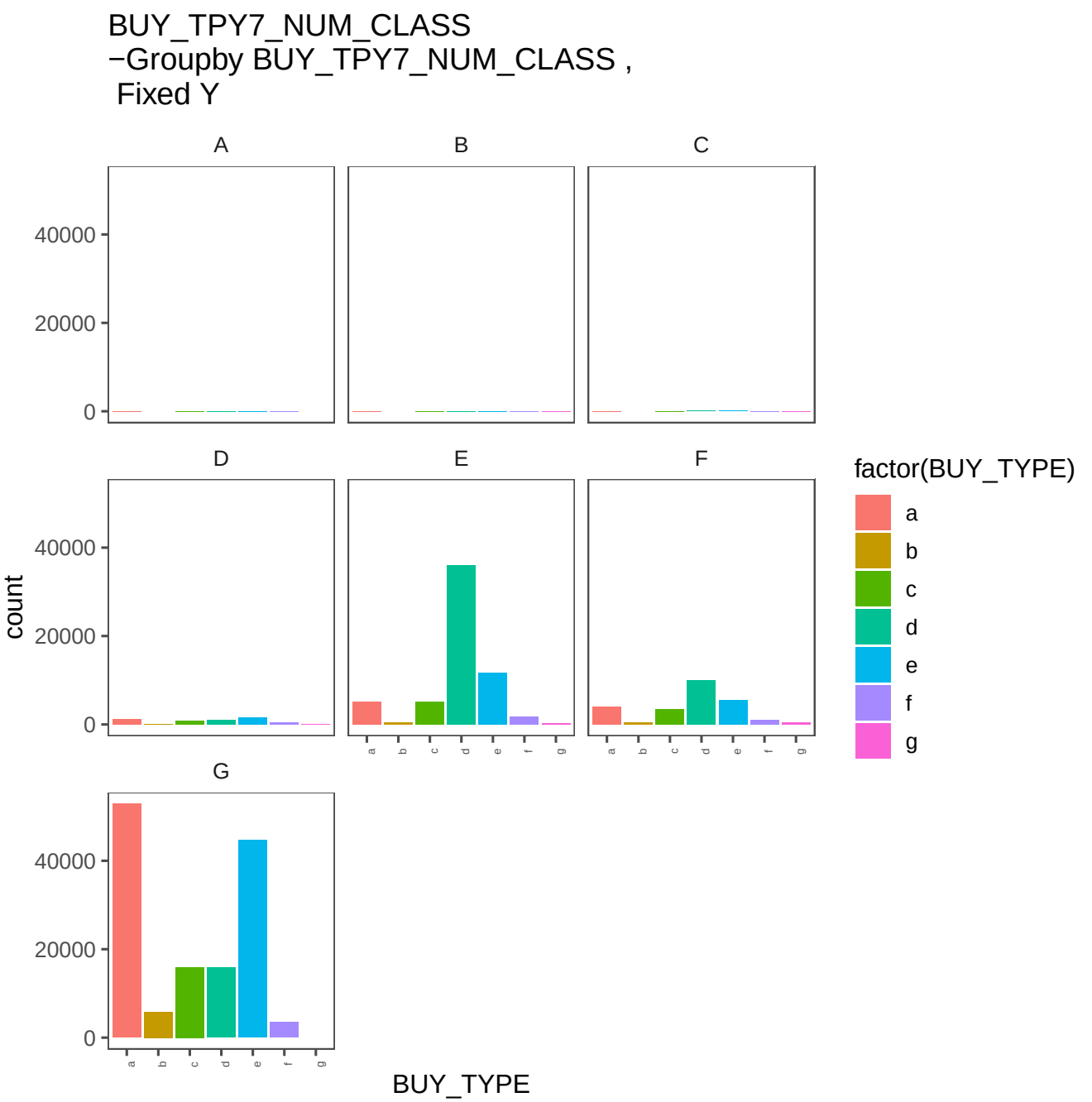
Relative Y




BUY_TPY7_NUM_CLASS
−Groupby BUY_TYPE,
Fixed Y
a
b
c
d
e
f
g
40000
20000
0
count
A
B
C
D
E
F
G
BUY_TPY7_NUM_CLASS
factor(BUY_TYPE)
a
b
c
d
e
f
g


BUY_TPY7_NUM_CLASS
−Groupby BUY_TYPE,
Relative Y
a
b
c
d
e
f
g
count
BUY_TPY7_NUM_CLASS
factor(BUY_TYPE)
a
b
c
d
e
f
g


BUY_TPY7_NUM_CLASS
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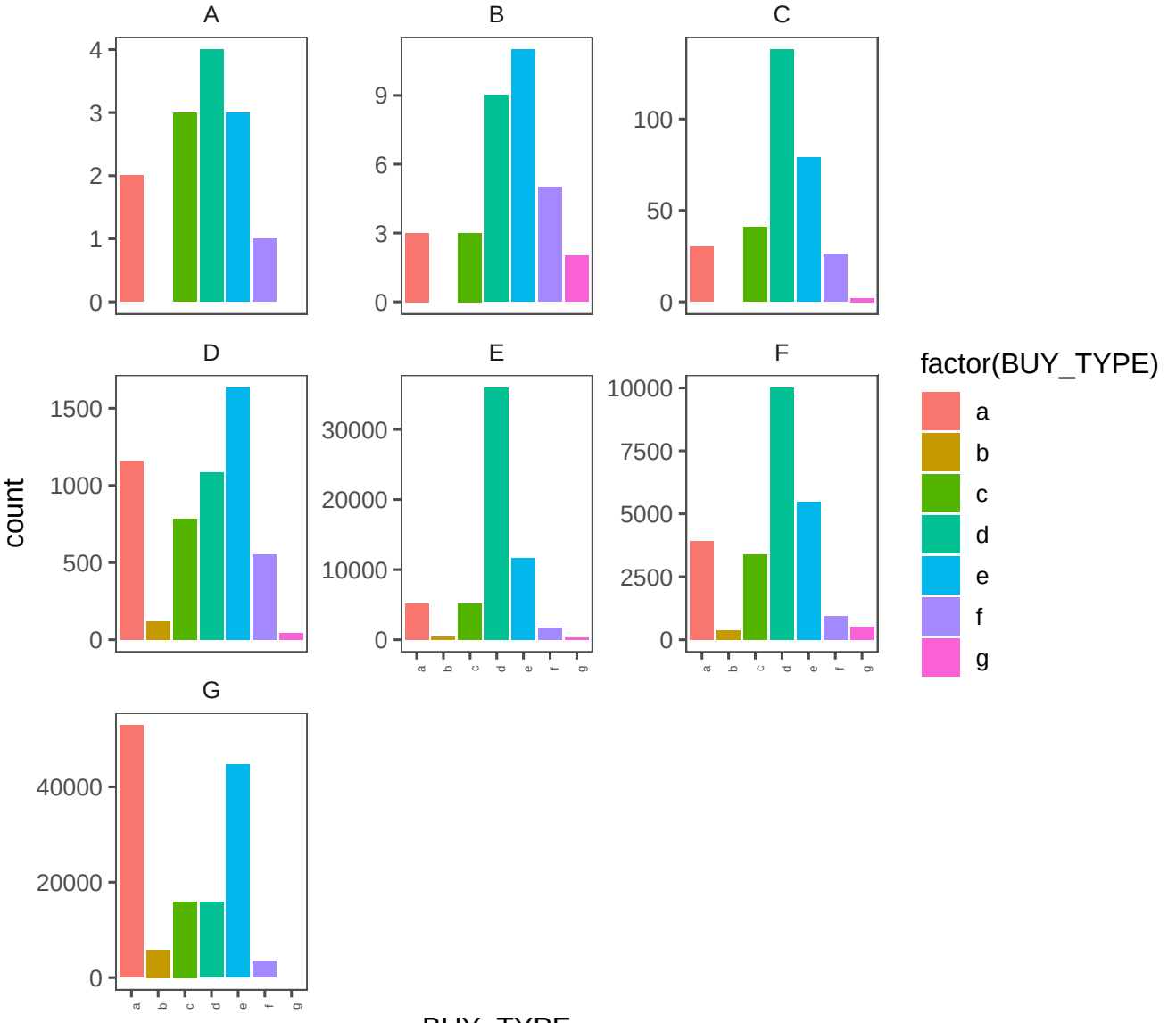
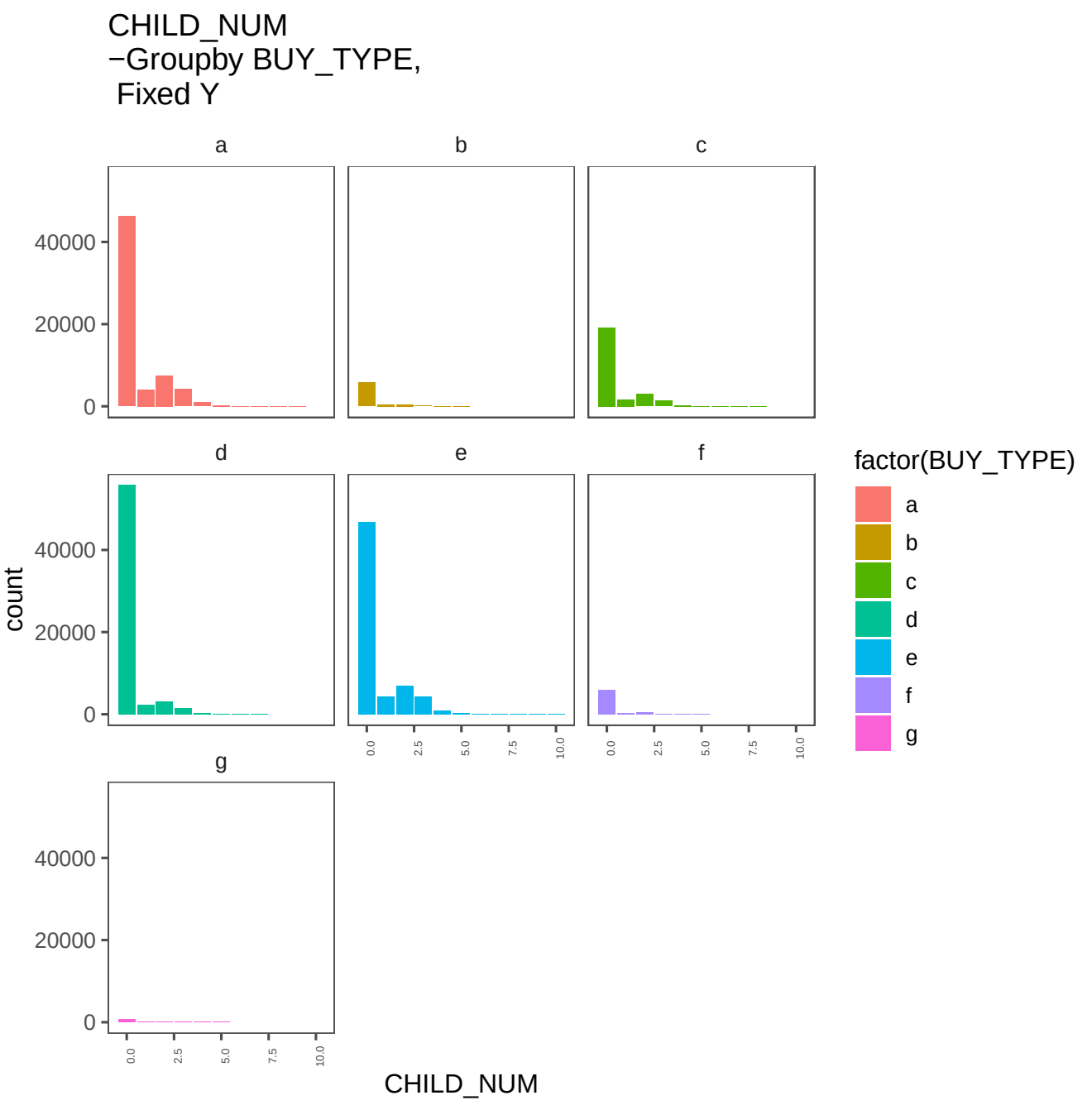
Fixed Y
A
B
C
D
E
F
G
40000
20000
0
count
a
b
c
d
e
f
g
factor(BUY_TYPE)
BUY_TYPE

BUY_TPY7_NUM_CLASS
−Groupby BUY_TPY7_NUM_CLASS ,
Relative Y




CHILD_NUM
−Groupby BUY_TYPE,
Fixed Y
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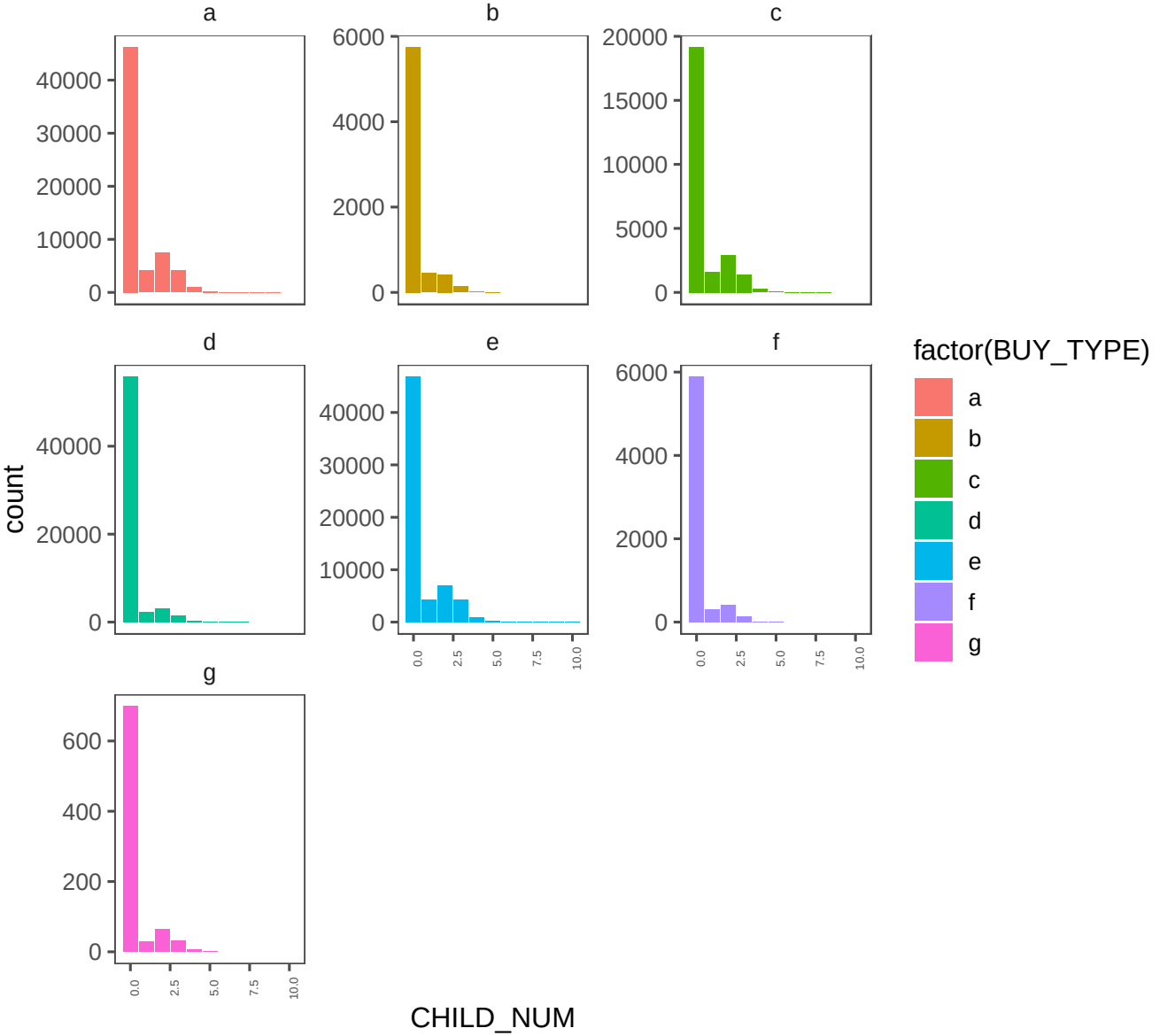
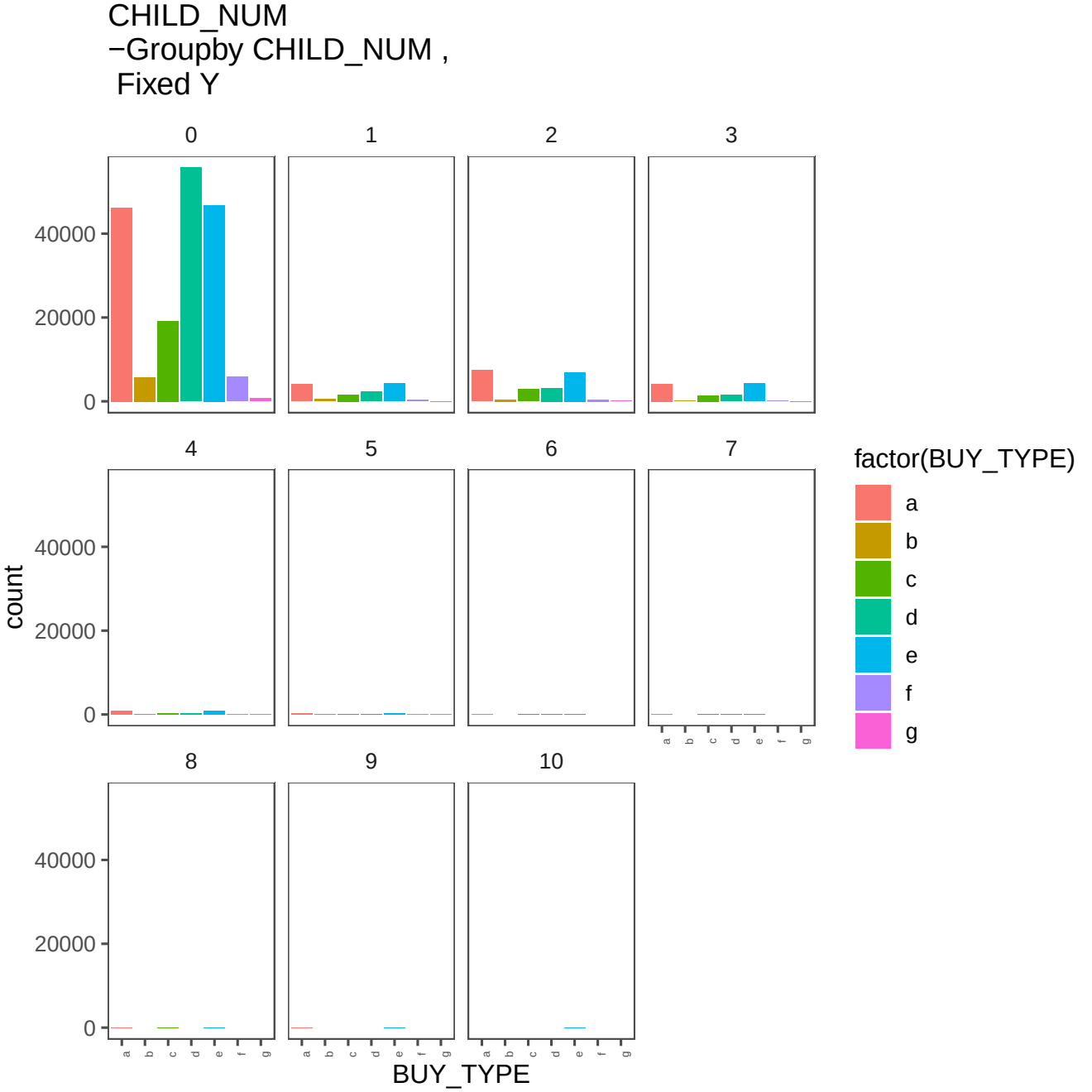
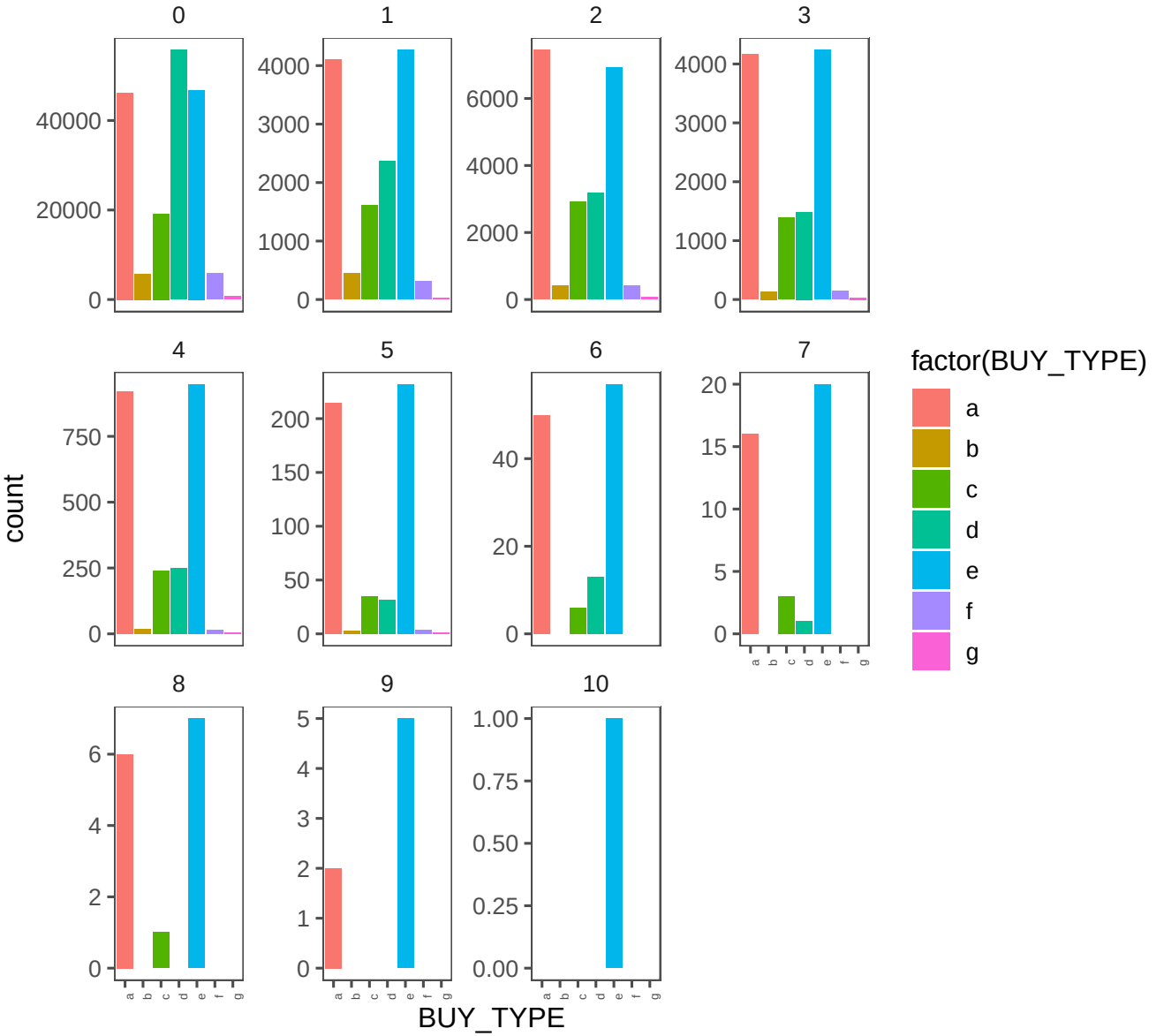
b
c
d
e
f
g
40000
20000
0
count
0.0
2.5
5.0
7.5
10.0
CHILD_NUM
factor(BUY_TYPE)
a
b
c
d
e
f
g

CHILD_NUM
−Groupby BUY_TYPE,
Relative Y




CHILD_NUM
−Groupby CHILD_NUM ,
Fixed Y
0
1
2
3
4
5
6
7
8
9
10
40000
20000
0
count
a
b
c
d
e
f
g
BUY_TYPE
factor(BUY_TYPE)

CHILD_NUM
−Groupby CHILD_NUM ,
Relative Y