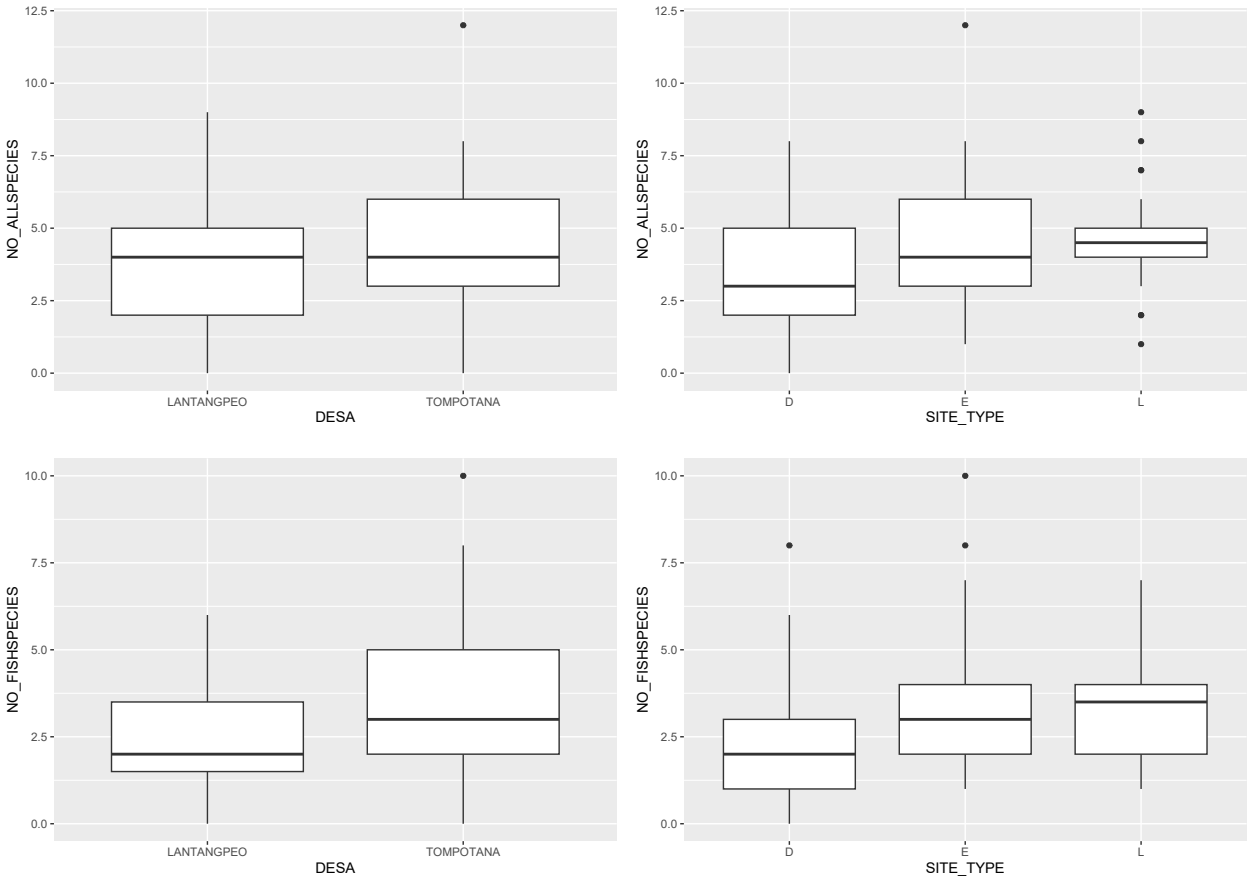
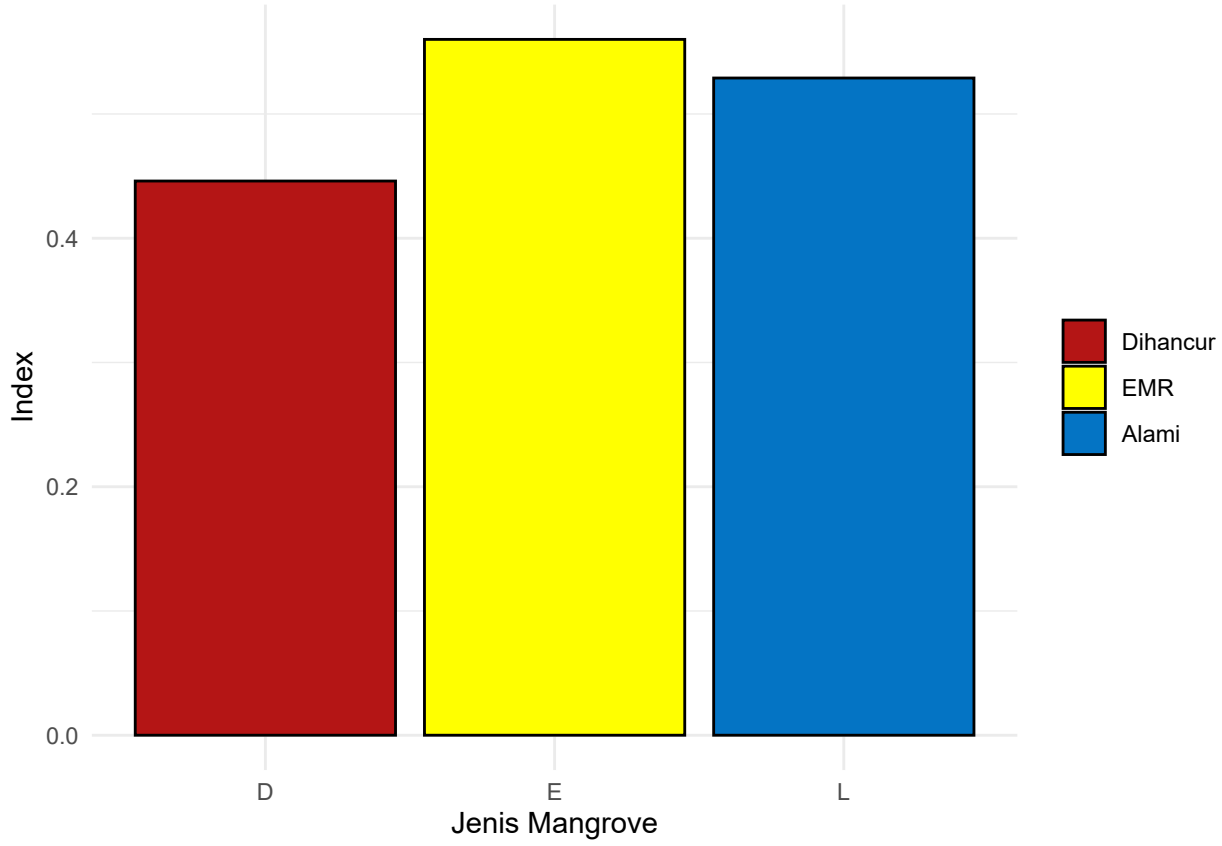
DataViz_practice

Sophie Wulfing

2024-10-02




Index
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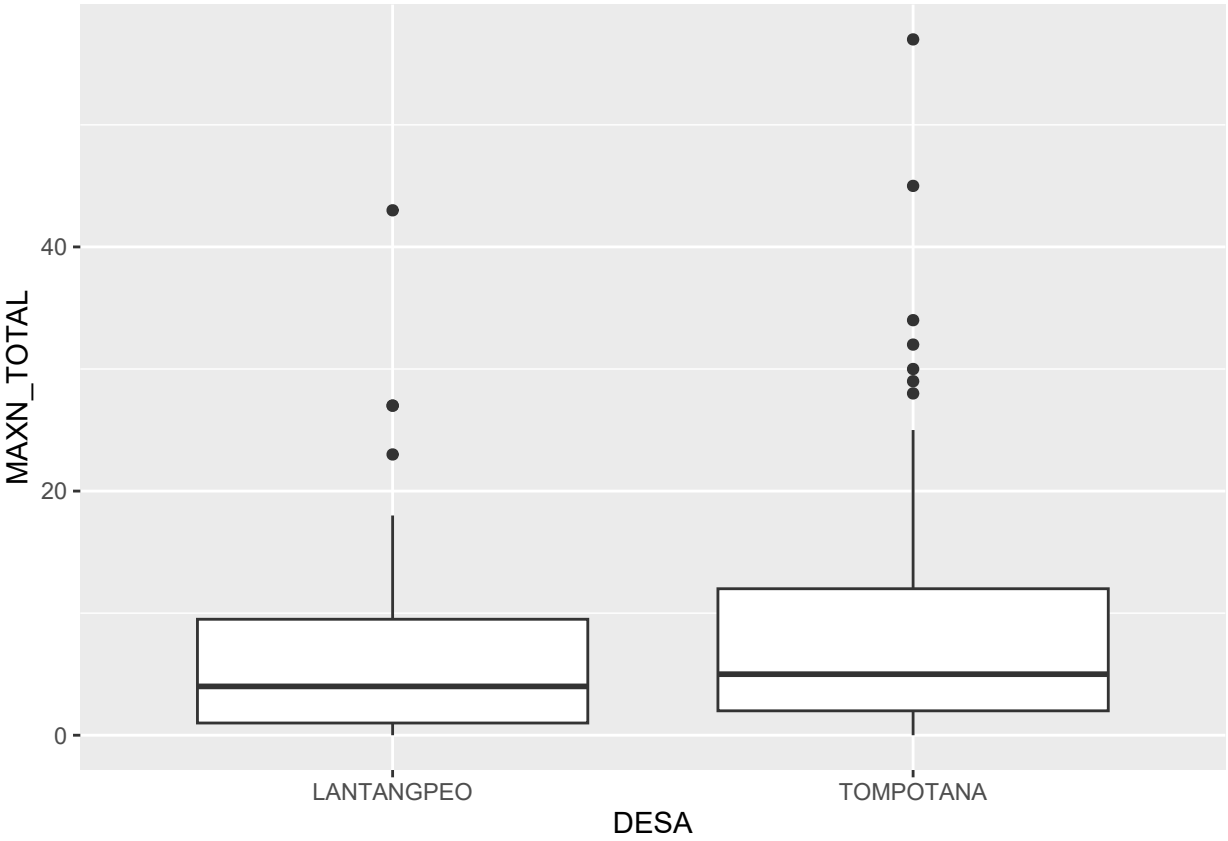
D
E
L
Jenis Mangrove
Dihancur
EMR
Alami


MAXN_TOTAL
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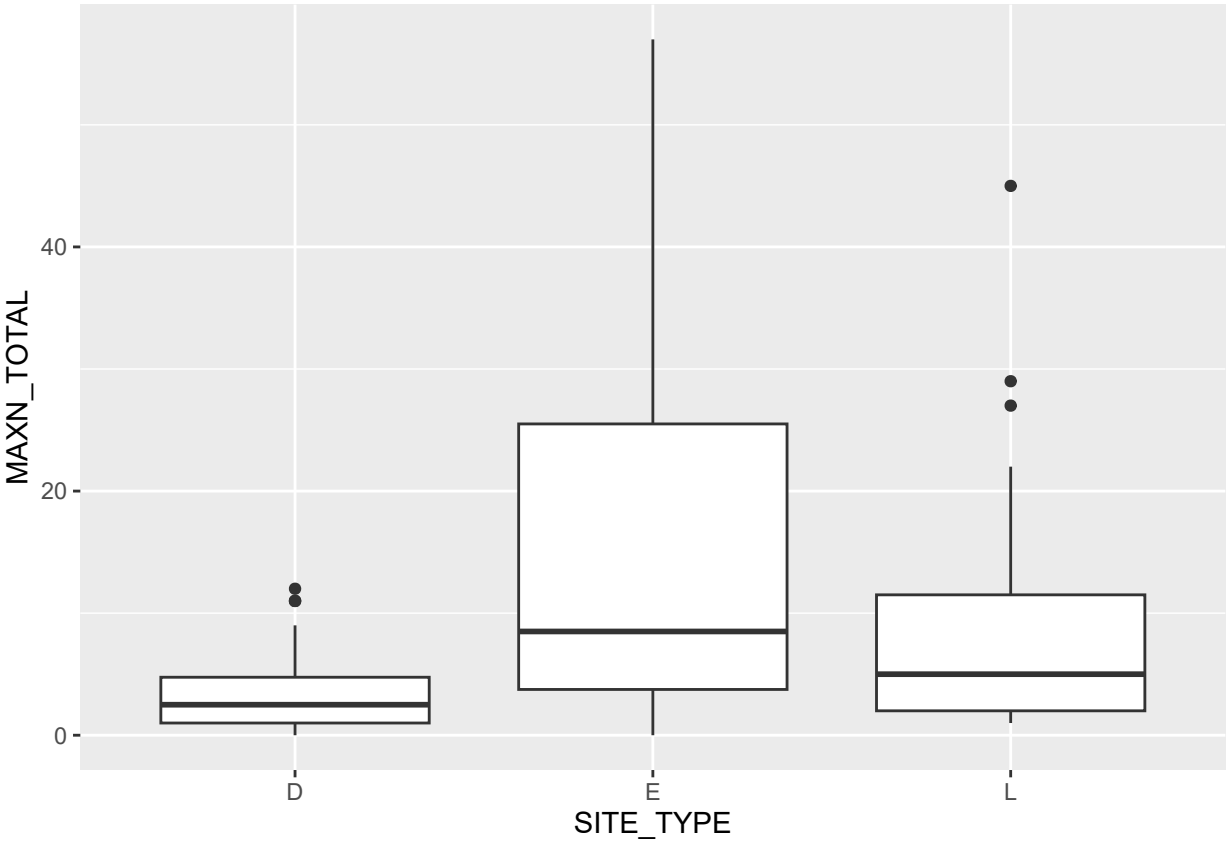
LANTANGPEO
TOMPOTANA
DESA


MAXN_TOTAL
40
20
0
D
E
L
SITE_TYPE

ANOVAS AND STATS

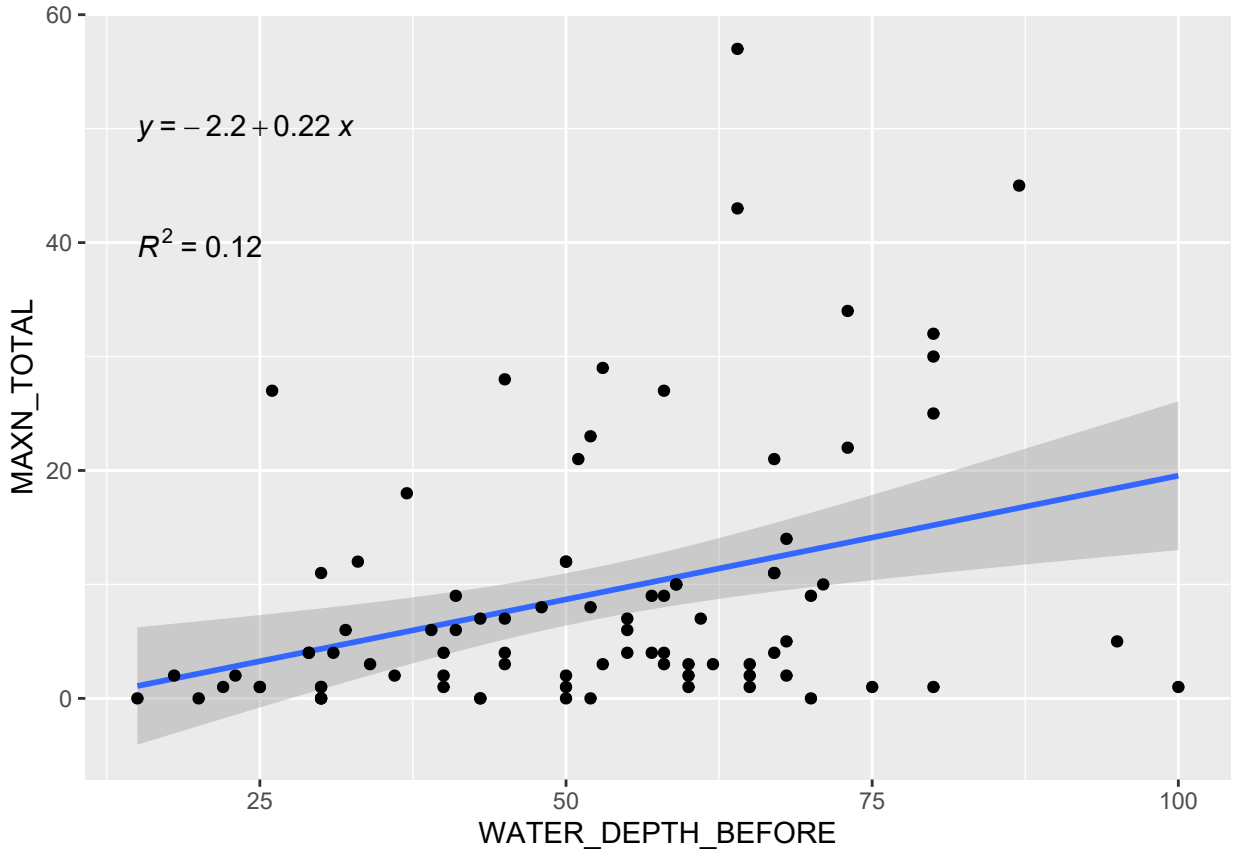
```
##             Df Sum Sq Mean Sq F value  Pr(>F)
## SITE_TYPE    2   1790   894.8   7.956 0.00068 ***
## Residuals   85   9560   112.5
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

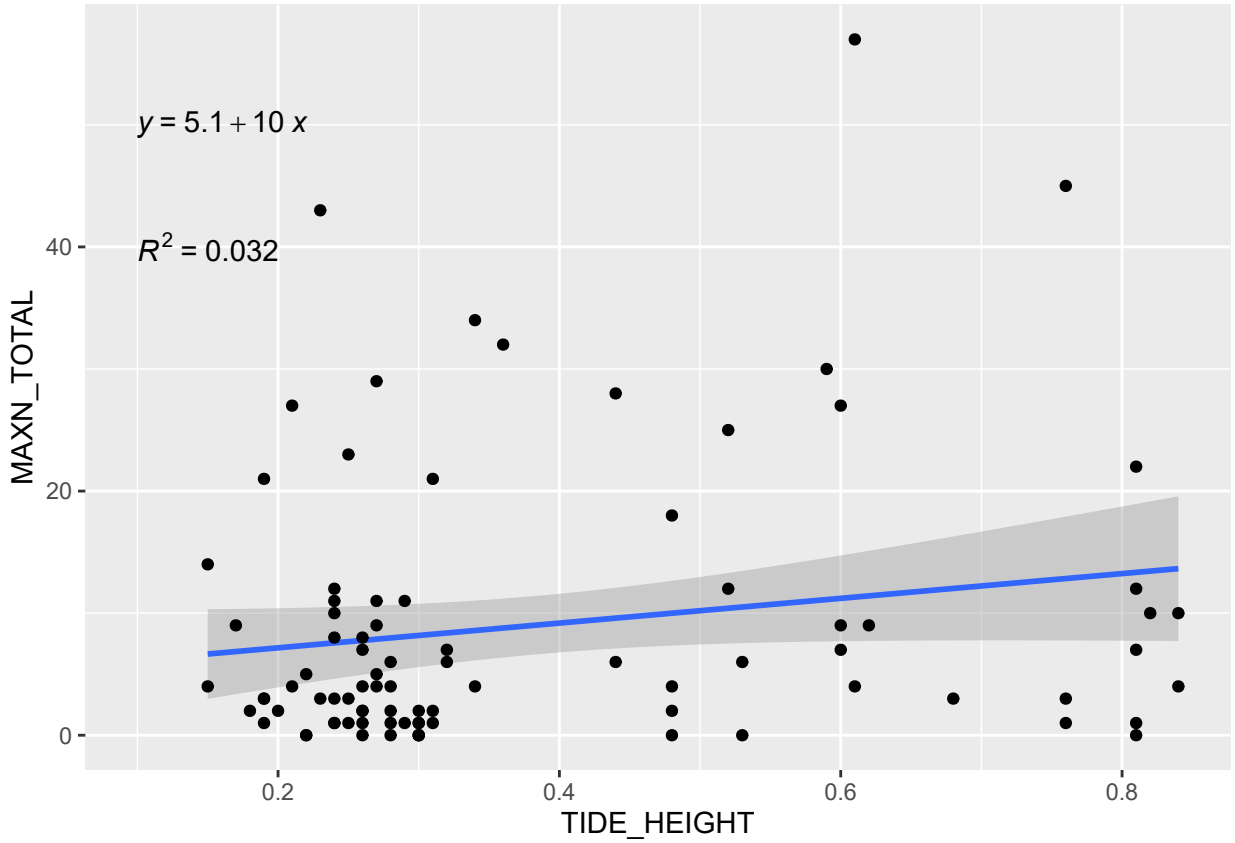
```
##             Df Sum Sq Mean Sq F value Pr(>F)
## DESA         1    306   305.6    2.38  0.127
## Residuals   86  11044   128.4
```

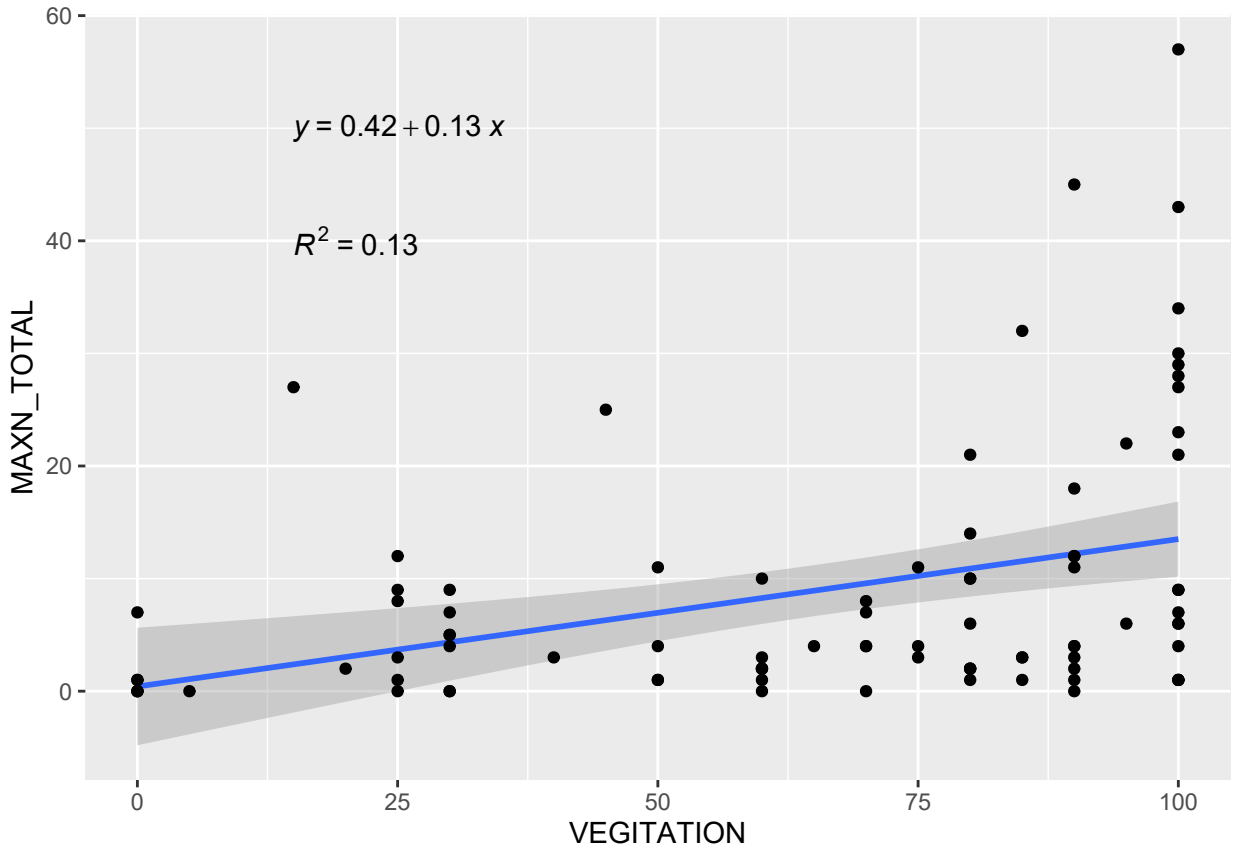
```
##             Df Sum Sq Mean Sq F value Pr(>F)
## SITE_TYPE    2  0.204  0.1018   0.388 0.6798
## DESA         1  1.203  1.2029   4.582 0.0352 *
## Residuals   84 22.051  0.2625
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

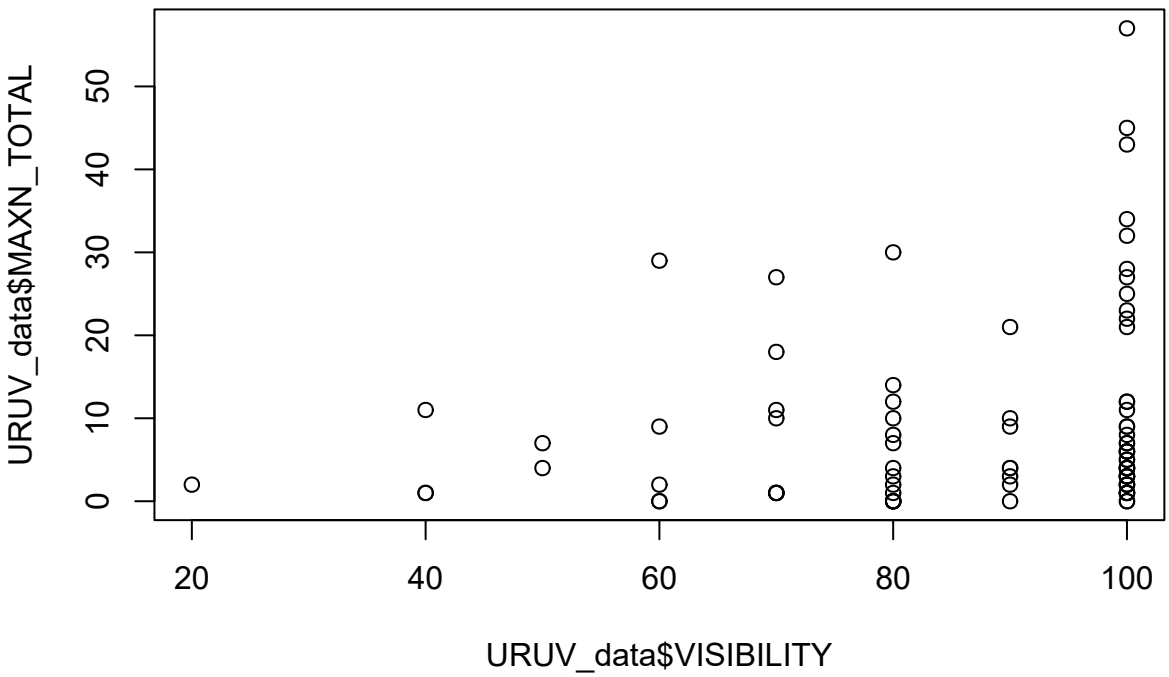
```
##                Df Sum Sq Mean Sq F value Pr(>F)
## SITE_TYPE       2  0.204  0.1018   0.379 0.6857
## DESA            1  1.203  1.2029   4.481 0.0373 *
## SITE_TYPE:DESA  2  0.036  0.0178   0.066 0.9358
## Residuals      82 22.015  0.2685
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

STATS


y = −2.2 + 0.22 x
R2 = 0.12
MAXN_TOTAL
WATER_DEPTH_BEFORE
60
40
20
0
25
50
75
100


y = 5.1 + 10 x
R2 = 0.032
MAXN_TOTAL
40
20
0
0.2
0.4
0.6
0.8
TIDE_HEIGHT


y = 0.42 + 0.13 x
R2 = 0.13
MAXN_TOTAL
VEGITATION
60
40
20
0
0
25
50
75
100


URUV_data$MAXN_TOTAL
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10
20
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40
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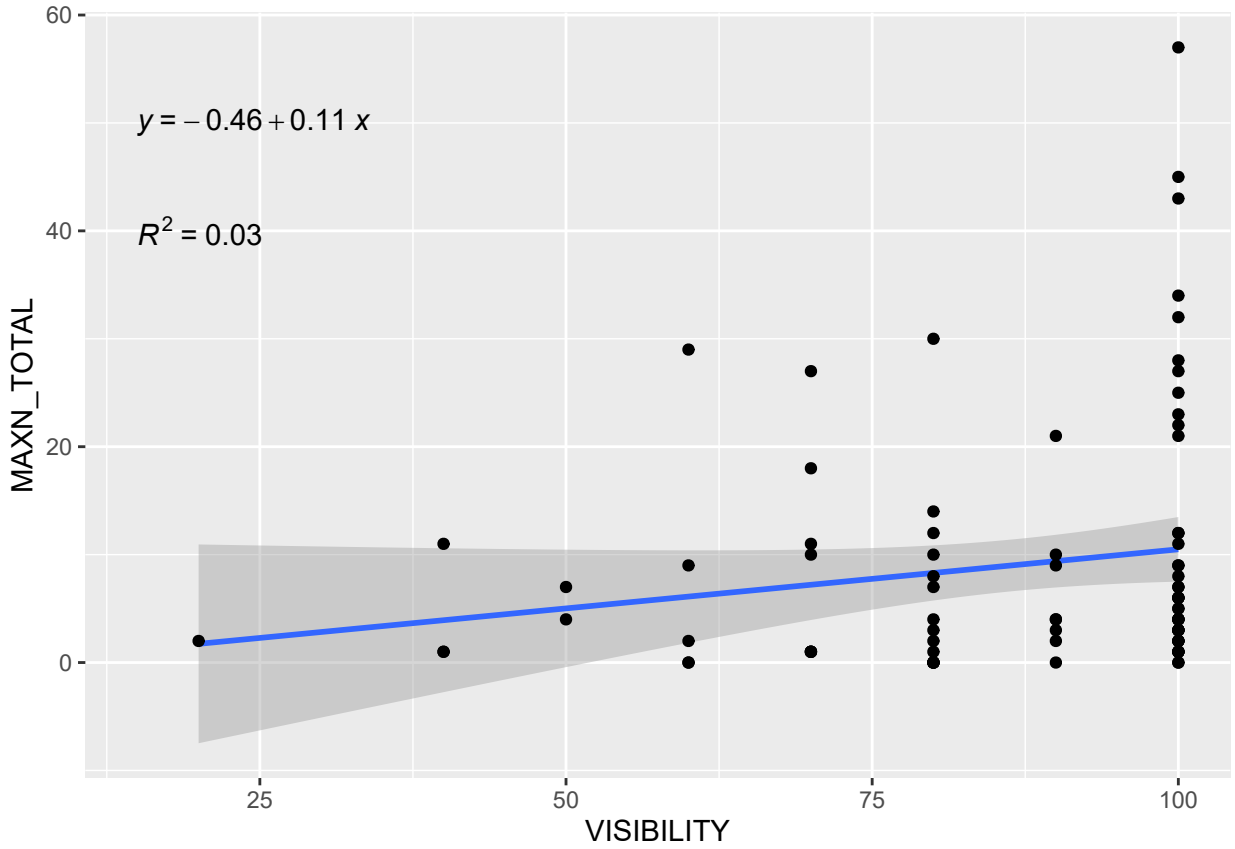
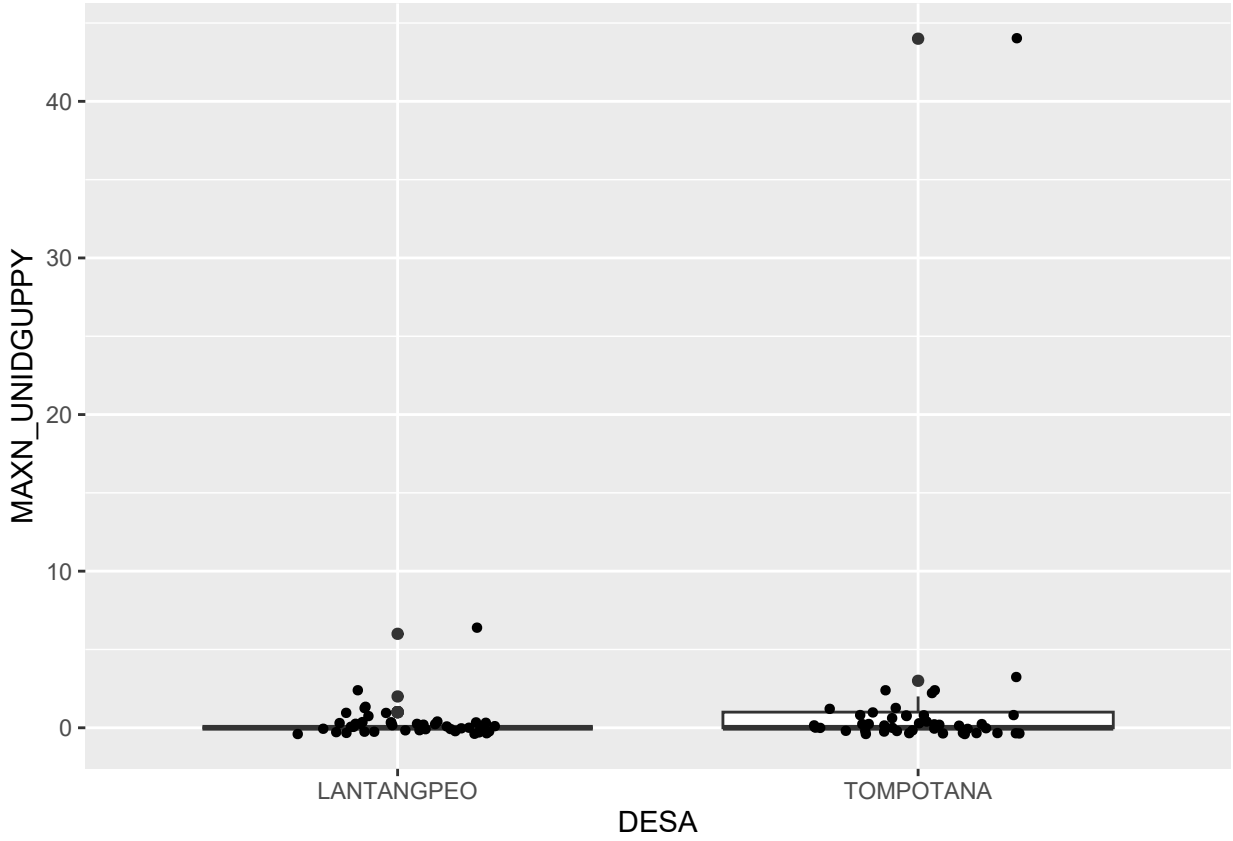
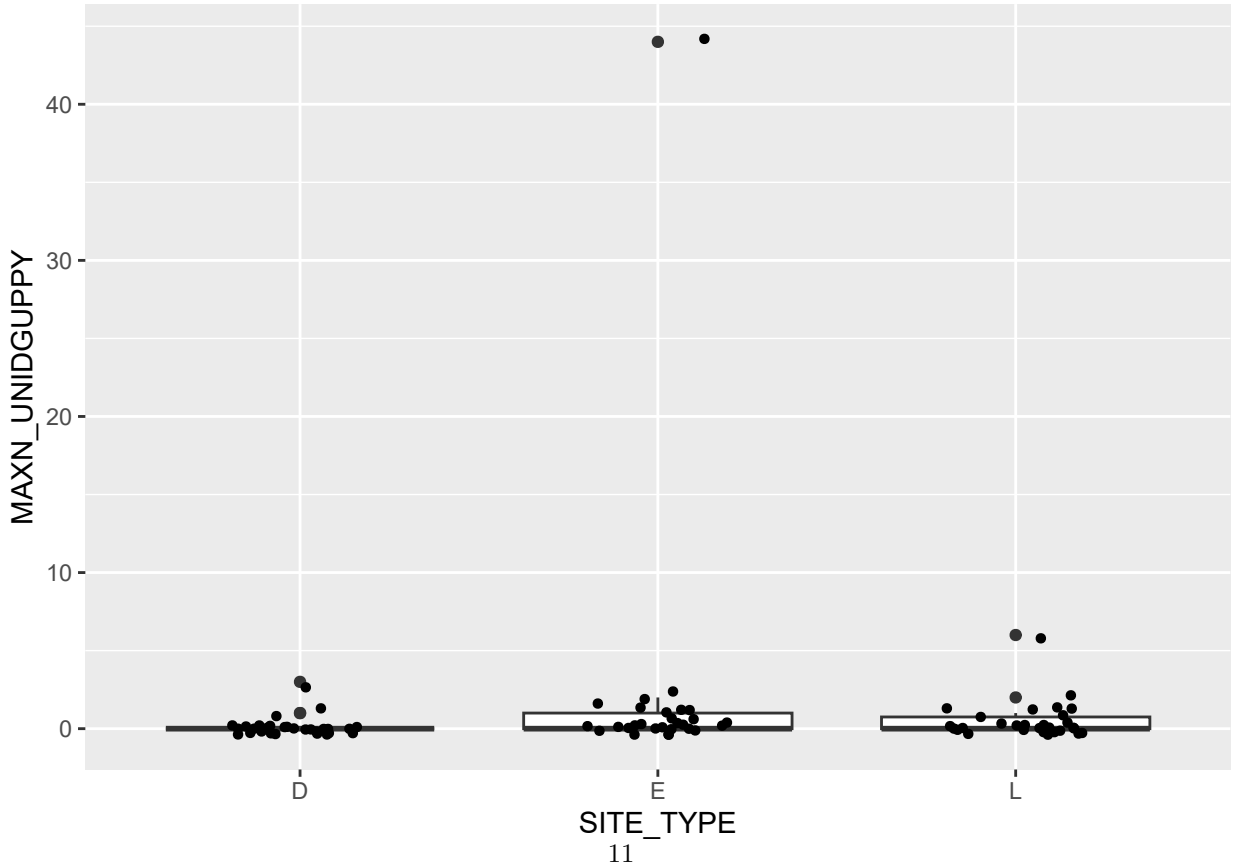
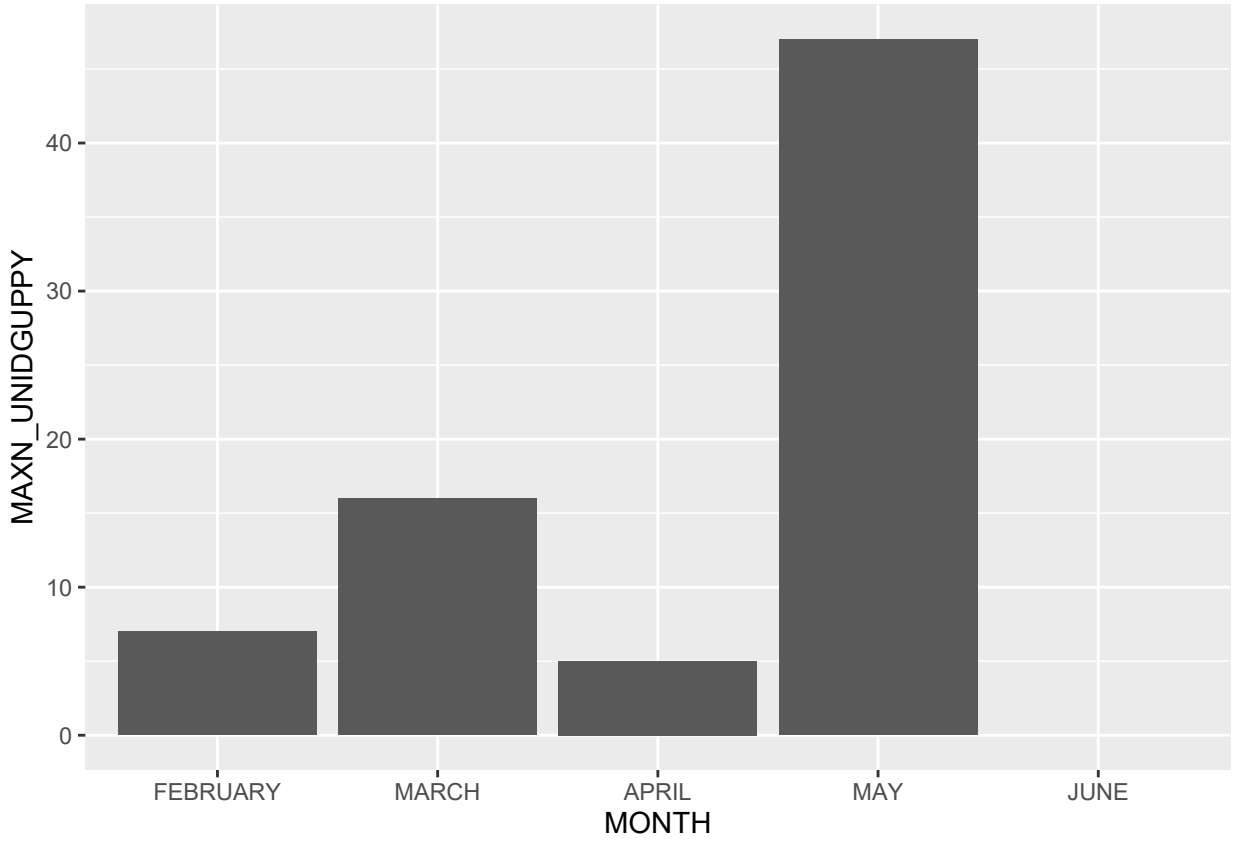
20
40
60
80
100
URUV_data$VISIBILITY


y = −0.46 + 0.11 x
R2 = 0.03
MAXN_TOTAL
VISIBILITY
60
40
20
0
25
50
75
100

INDIVIDUAL SPECIES



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20
10
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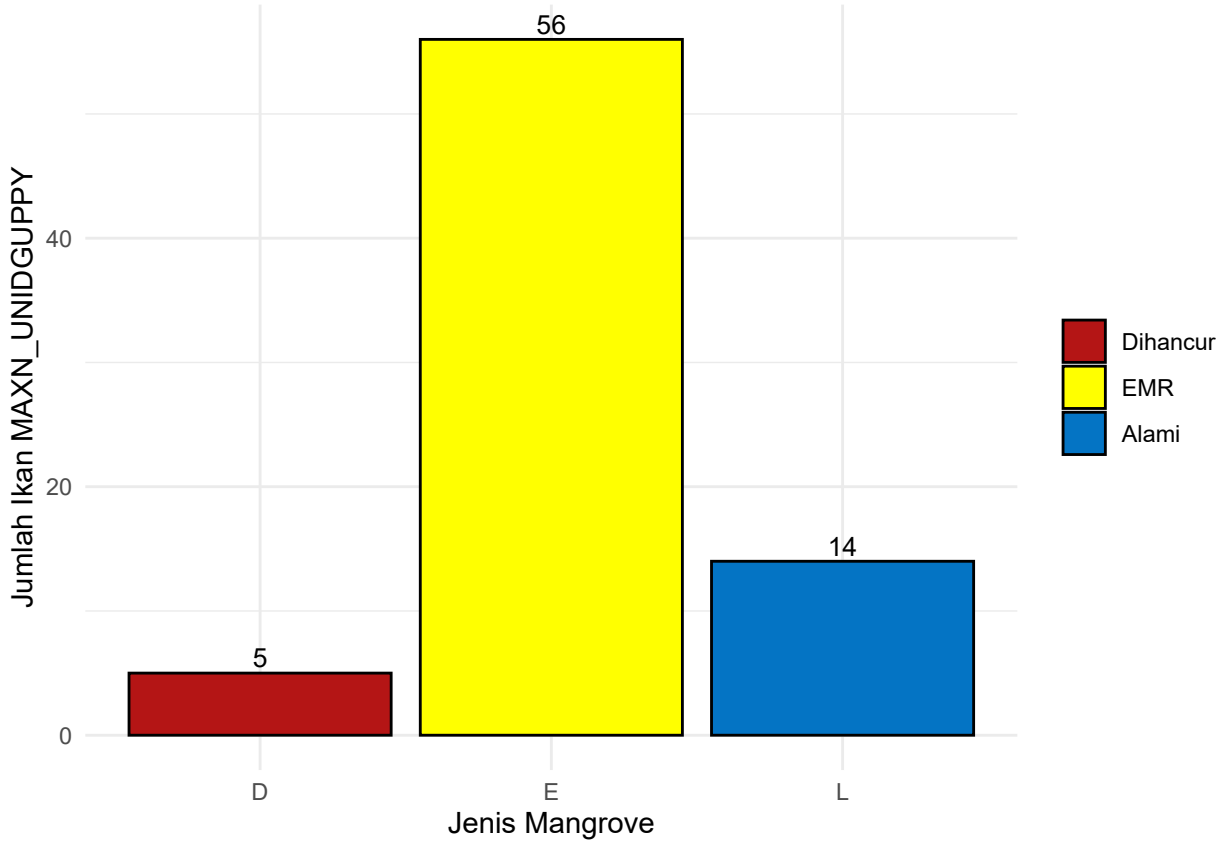
FEBRUARY
MARCH
APRIL
MAY
JUNE
MONTH


56
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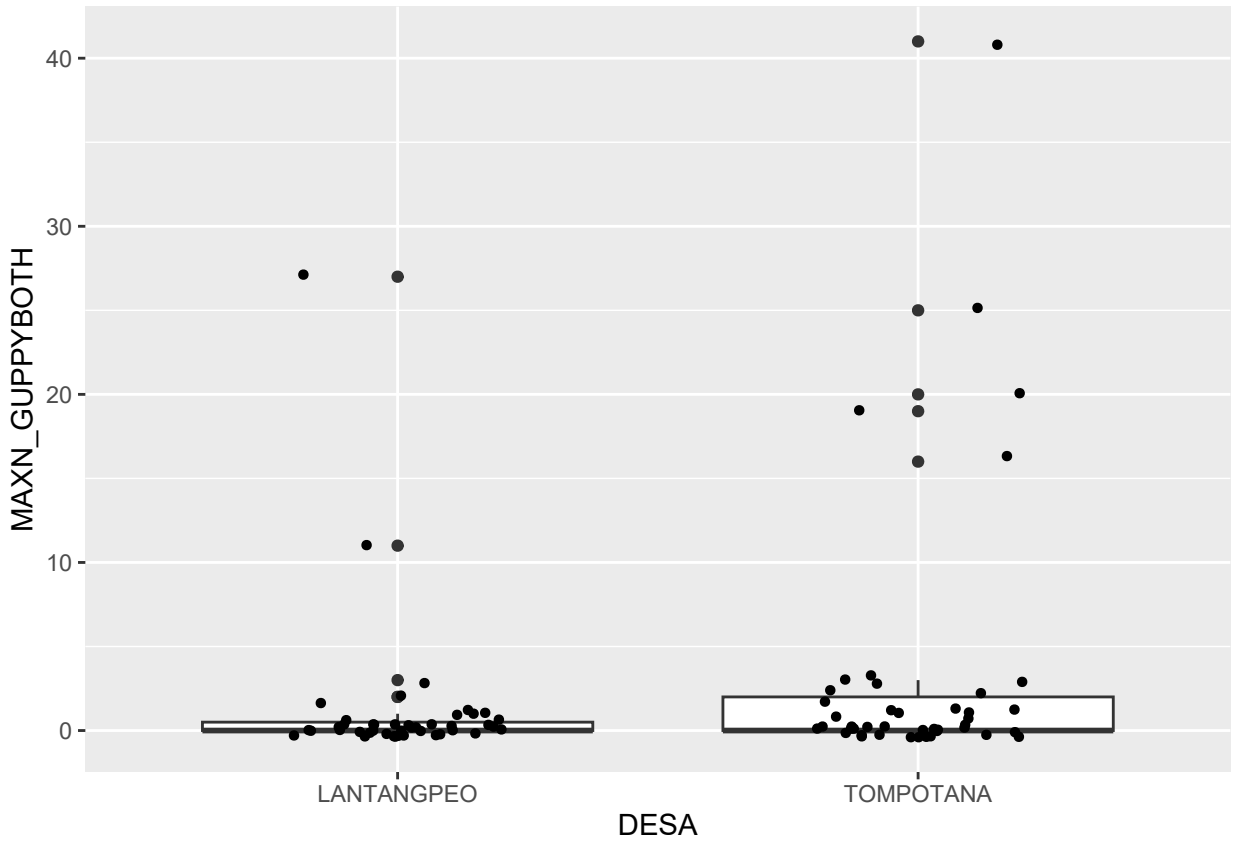
14
Jumlah Ikan MAXN_UNIDGUPPY
D
E
L
Jenis Mangrove
Dihancur
EMR
Alami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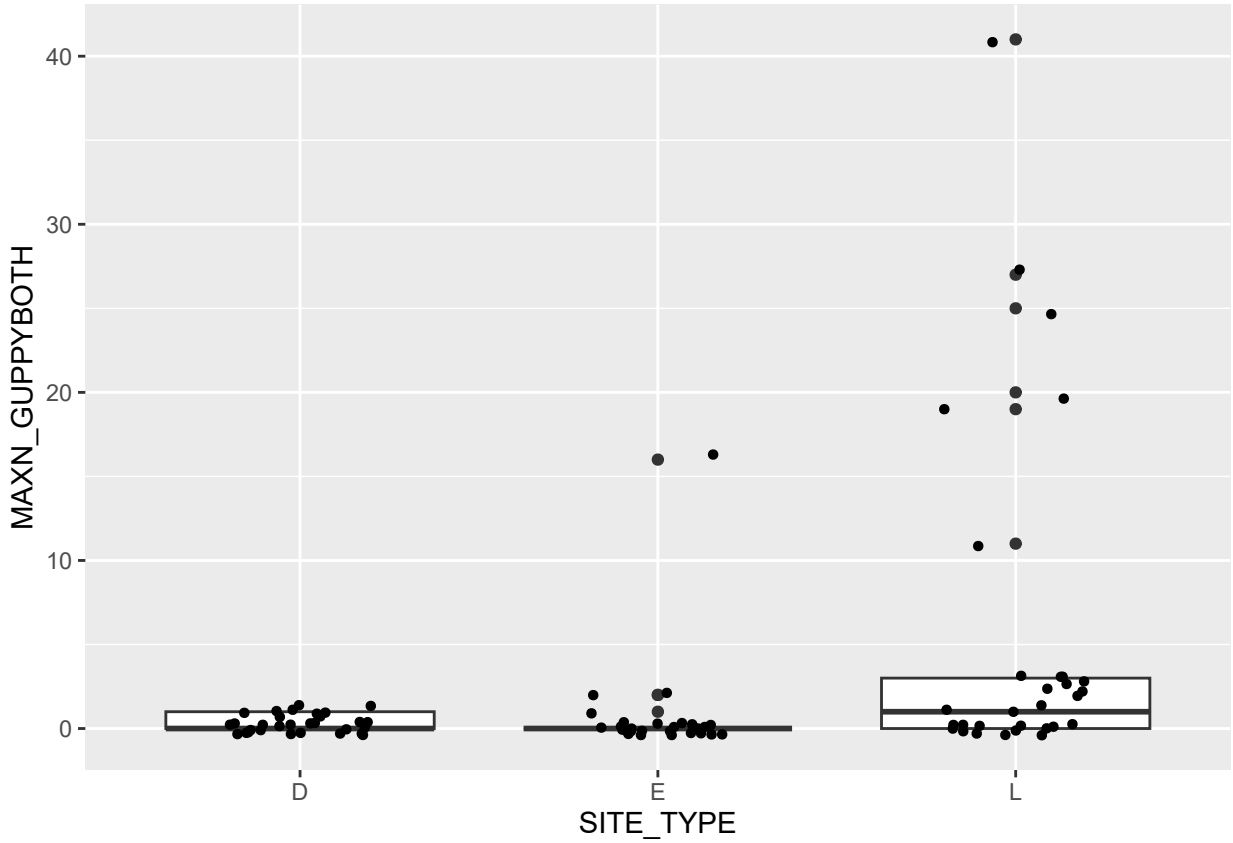
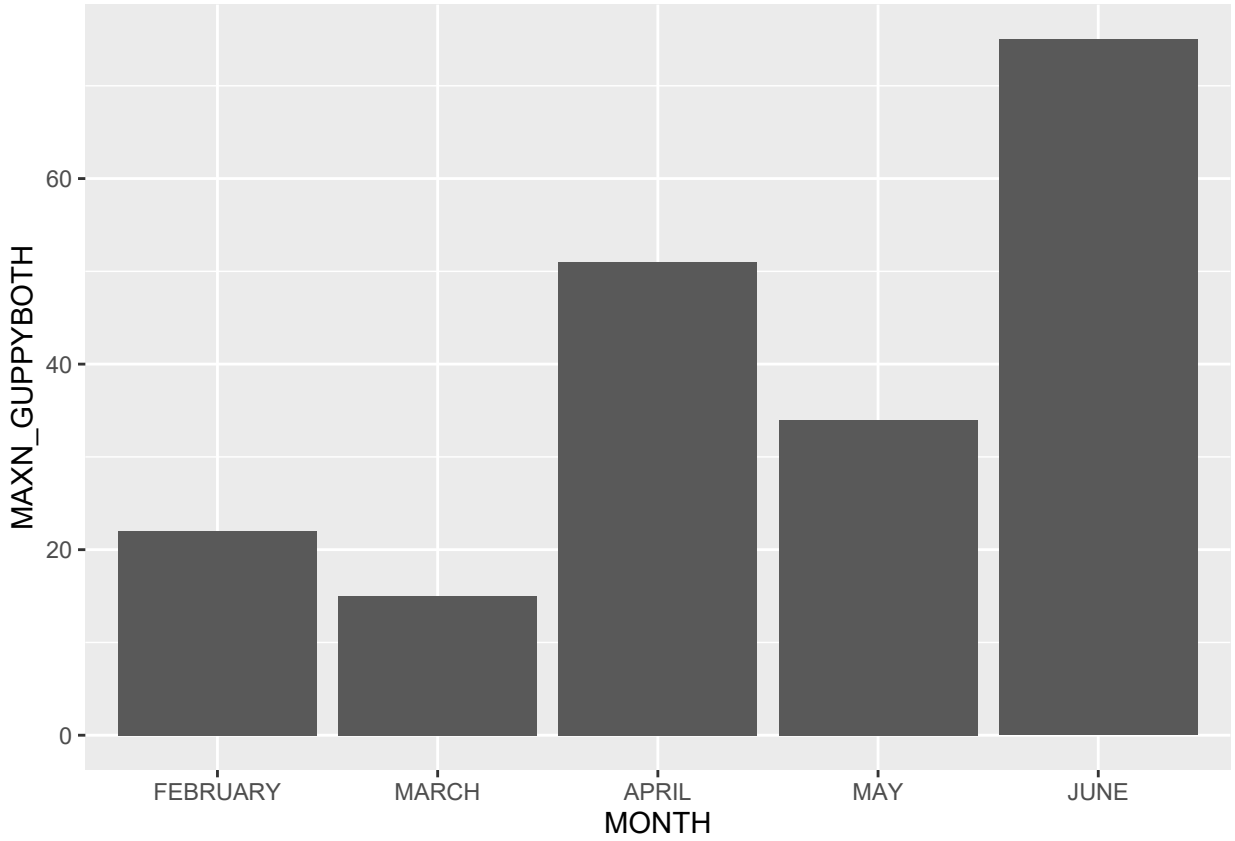
10
0
MAXN_GUPPYBOTH
LANTANGPEO
TOMPOTANA
DESA


40
30
20
10
0
MAXN_GUPPYBOTH
D
E
L
SITE_TYPE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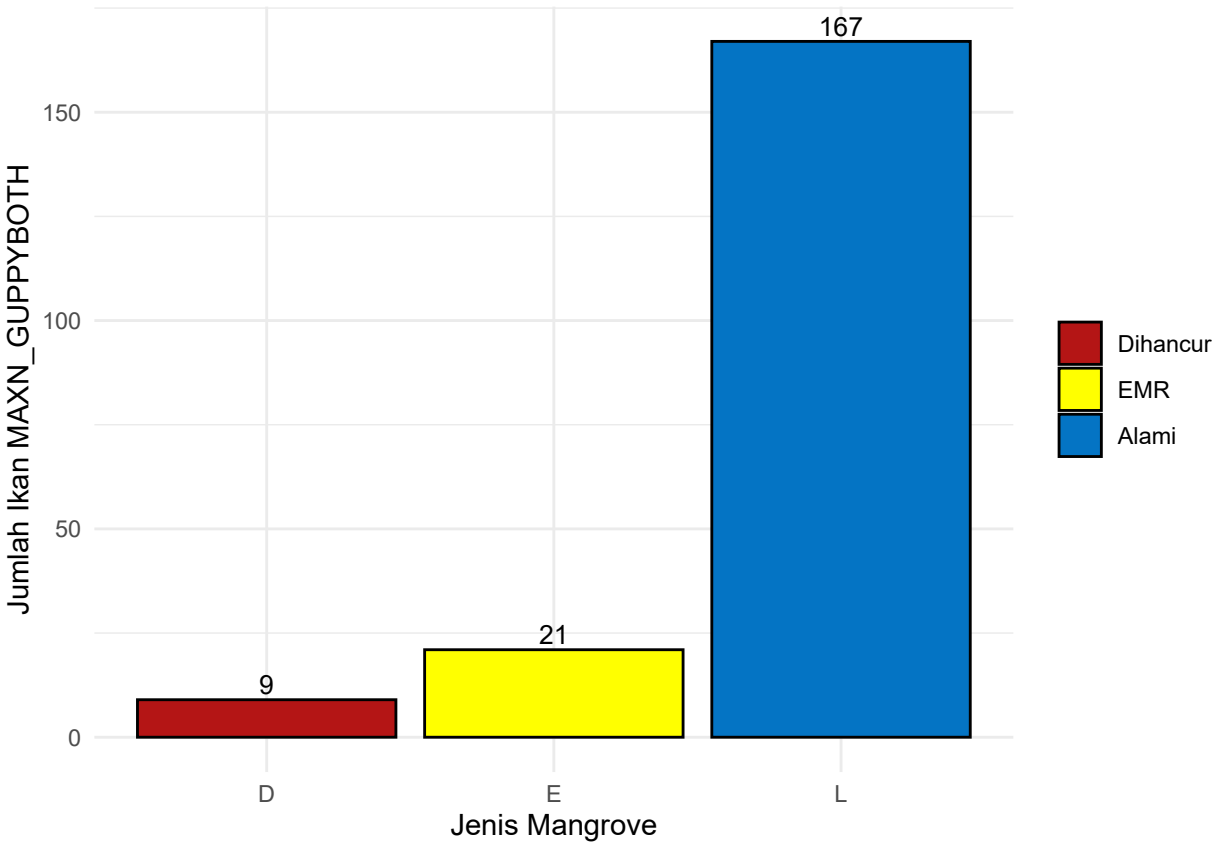
40
20
0
FEBRUARY
MARCH
APRIL
MAY
JUNE
MONTH


Jumlah Ikan MAXN_GUPPYBOTH
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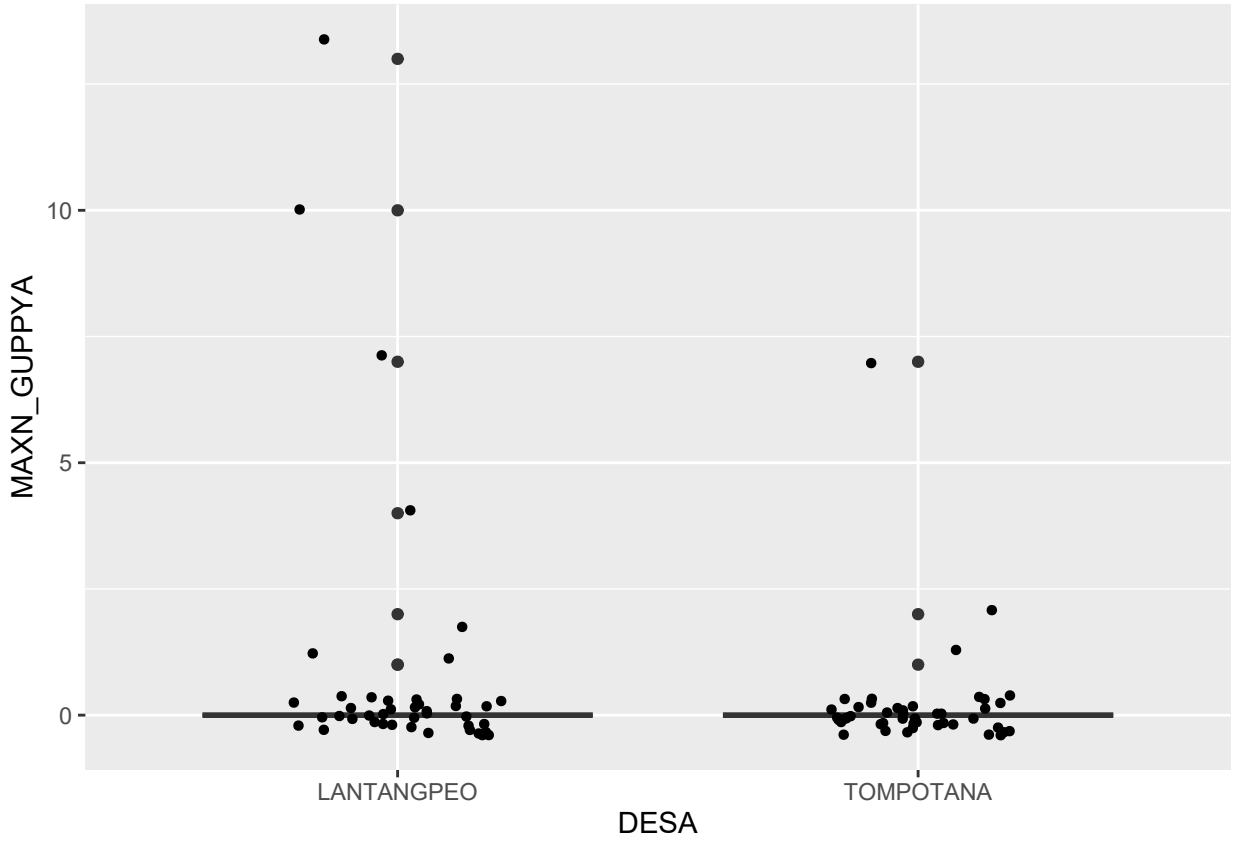
100
50
0
167
21
9
D
E
L
Jenis Mangrove
Dihancur
EMR
Alami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5
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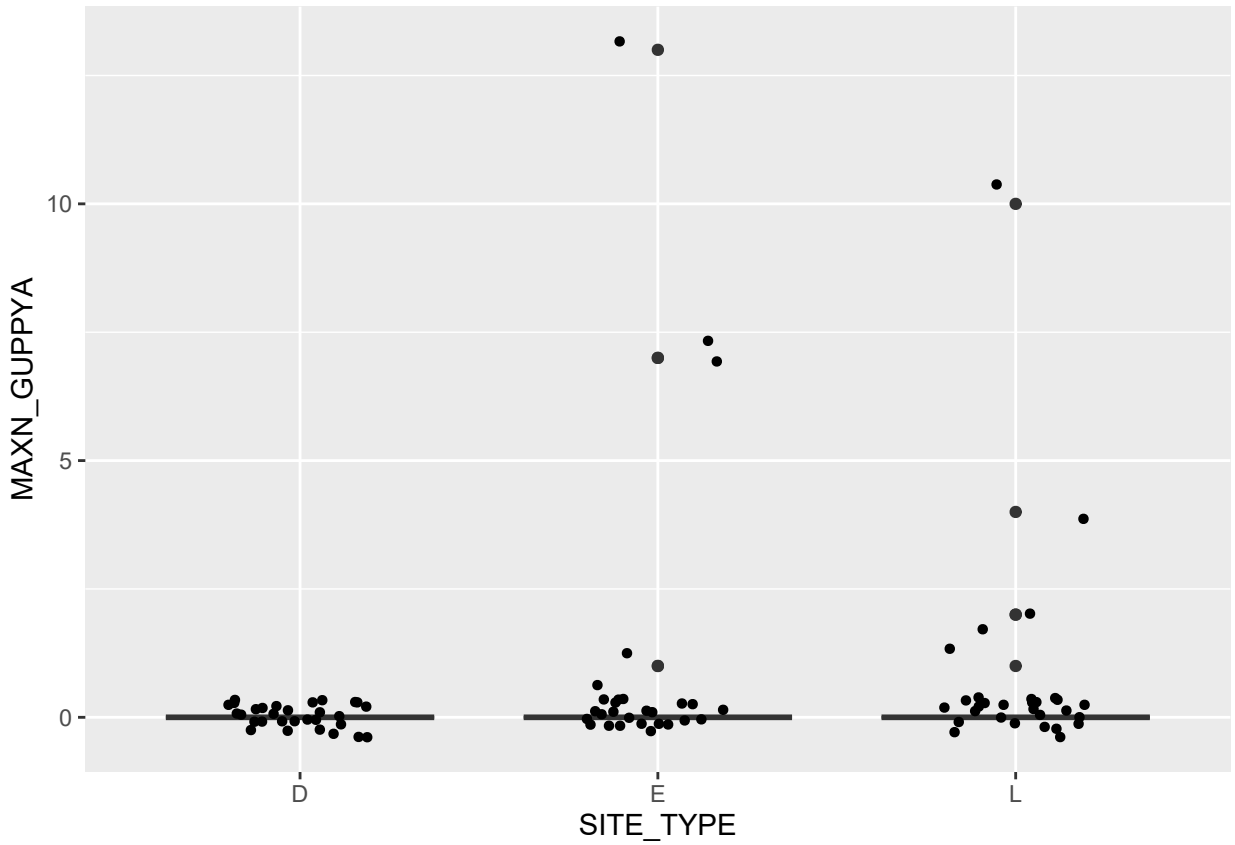
TOMPOTANA
DESA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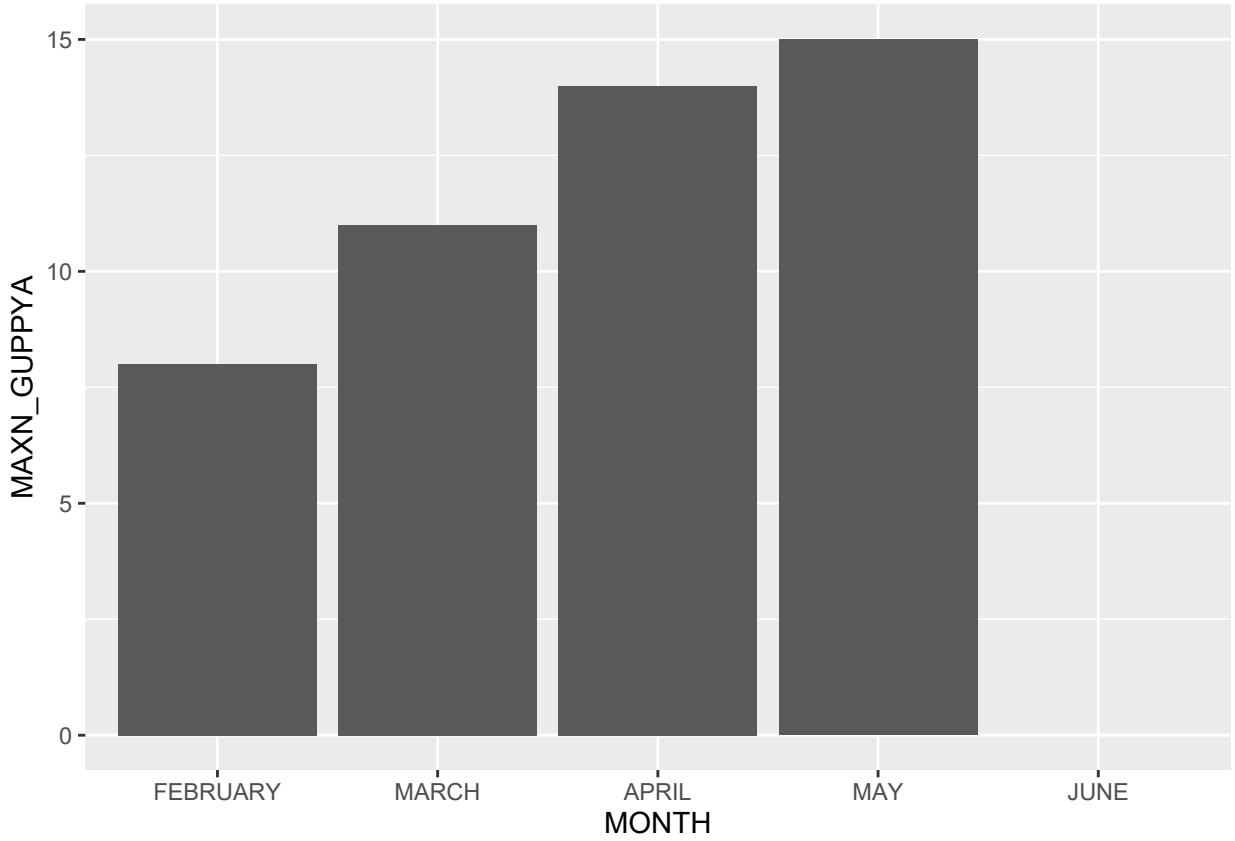
5
0
D
E
L
SITE_TYPE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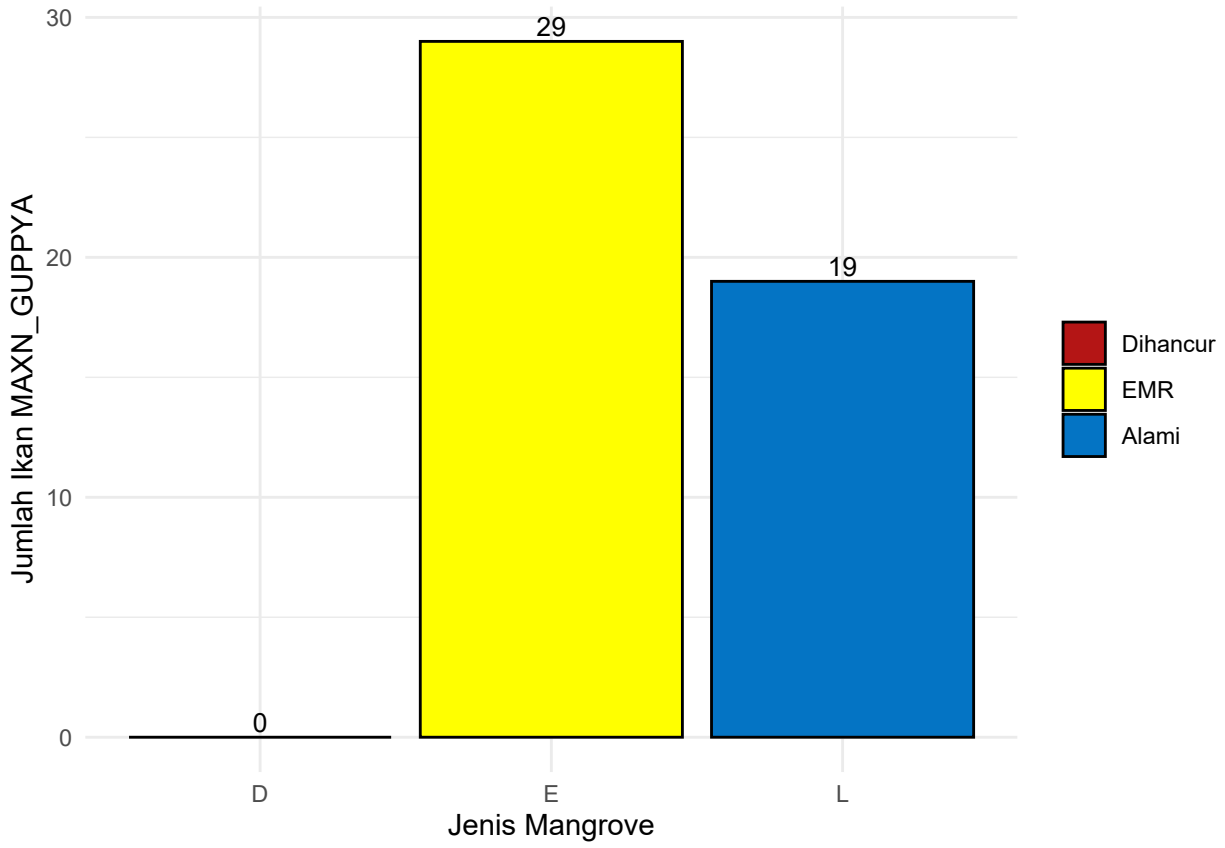
10
5
0
MAXN_GUPPYA
FEBRUARY
MARCH
APRIL
MAY
JUNE
MONTH


30
20
10
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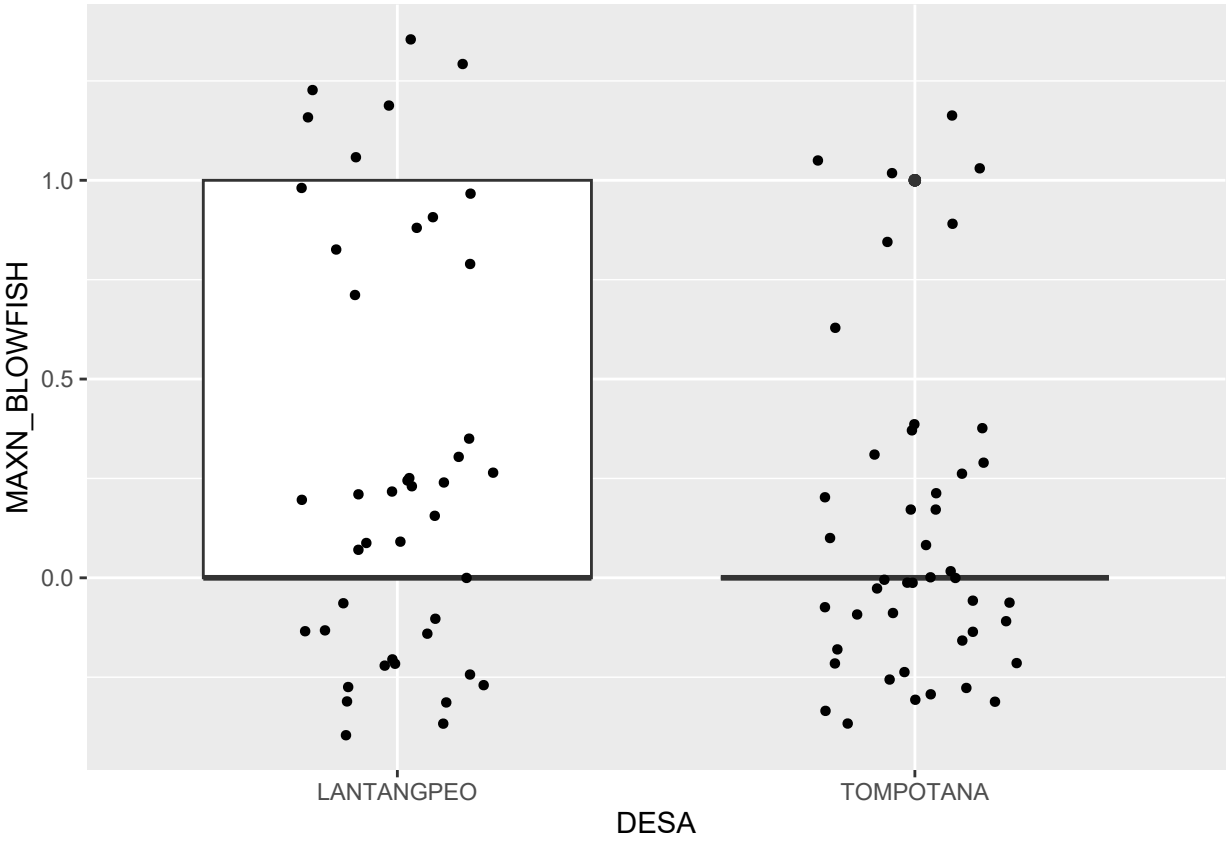
Jumlah Ikan MAXN_GUPPYA
29
19
0
D
E
L
Jenis Mangrove
Dihancur
EMR
Alami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0.5
0.0
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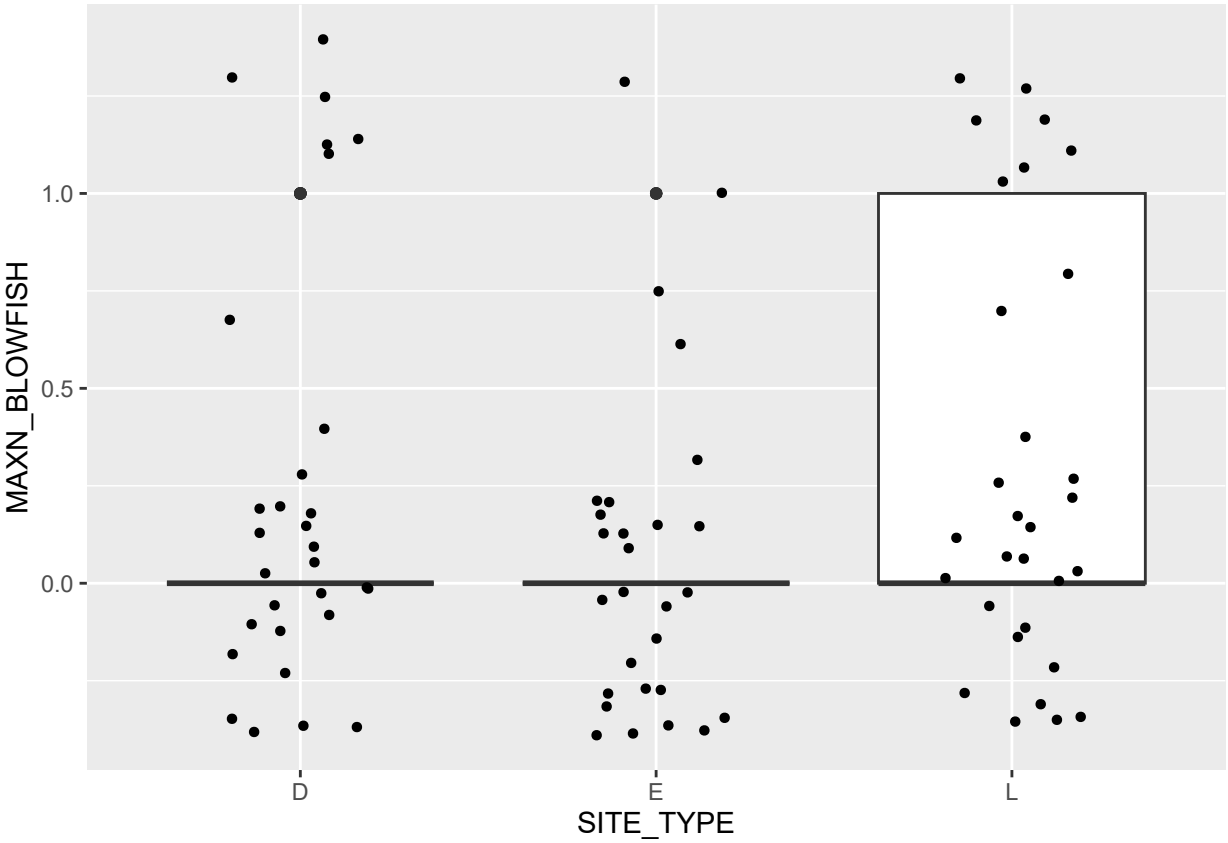
TOMPOTANA
DESA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0.5
0.0
D
E
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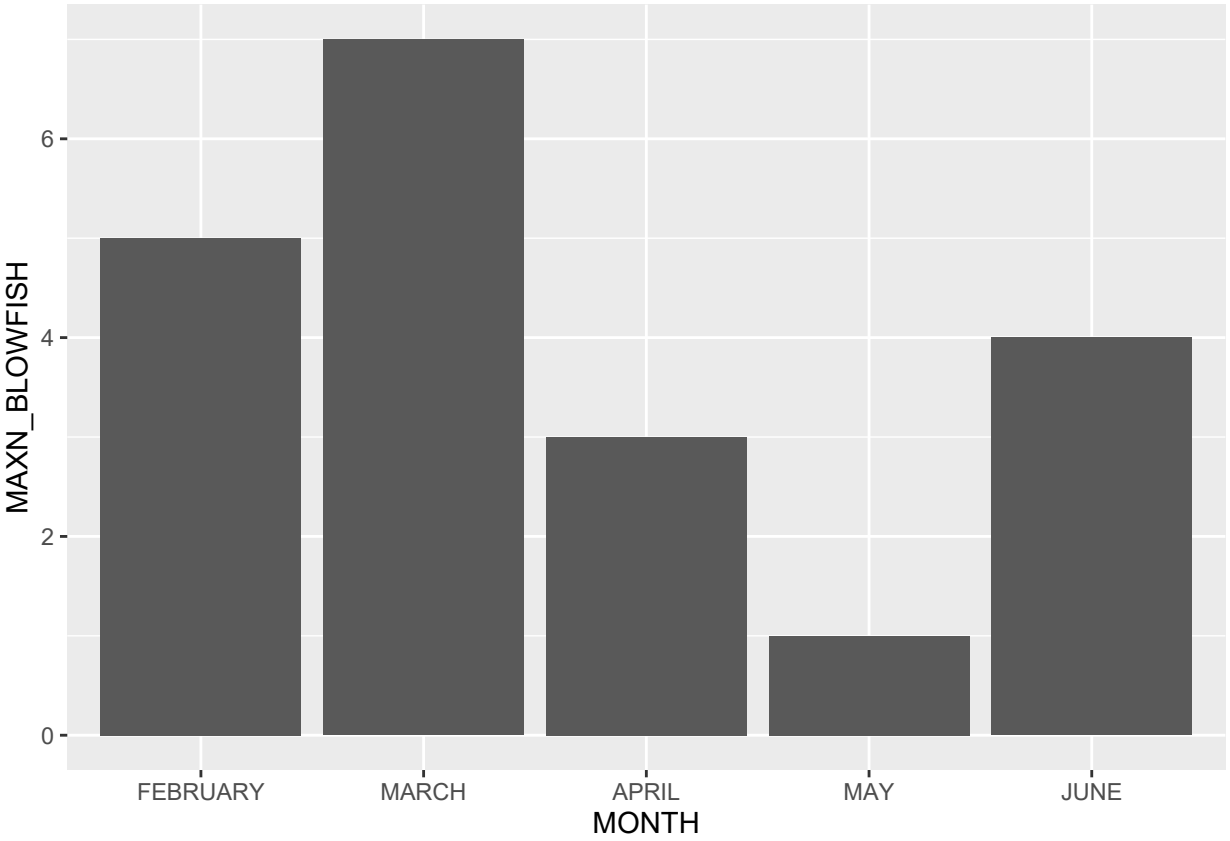
SITE_TYPE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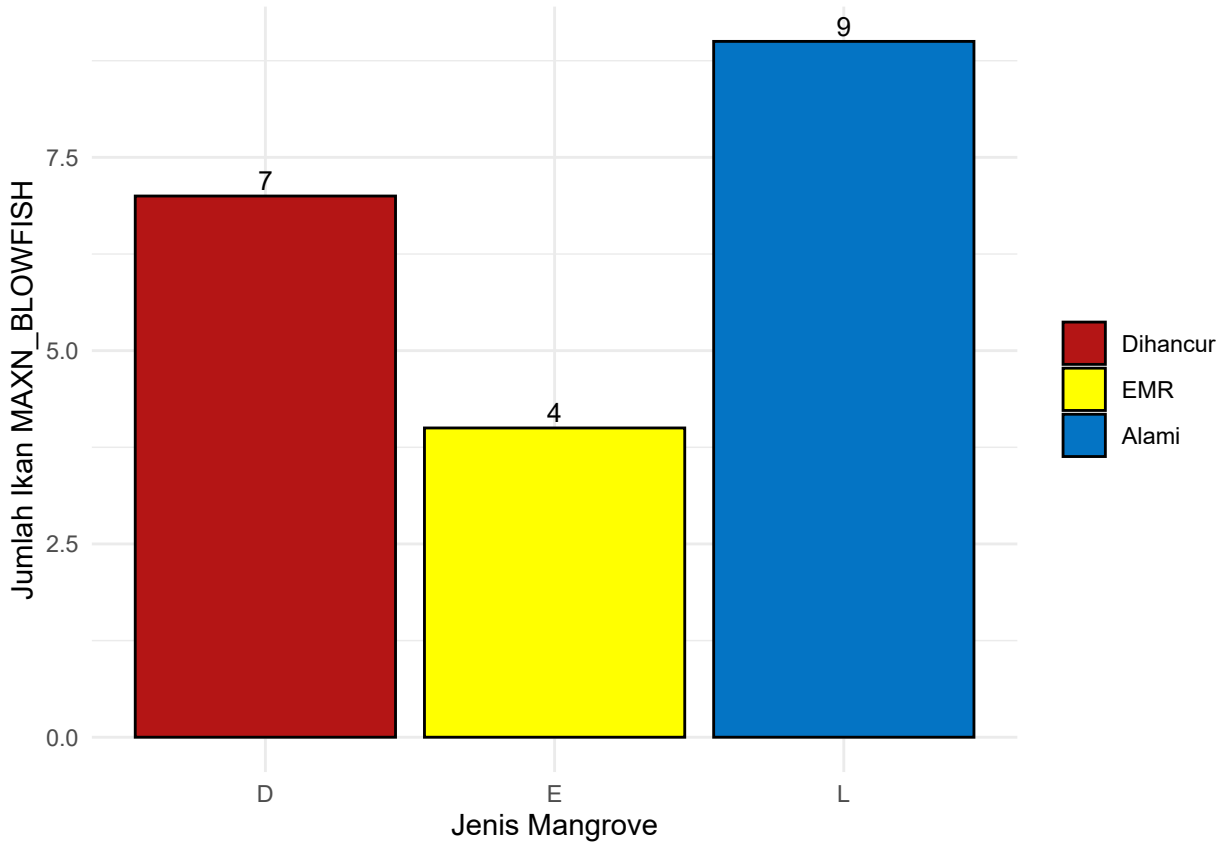
MARCH
APRIL
MAY
JUNE
MONTH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4
7.5
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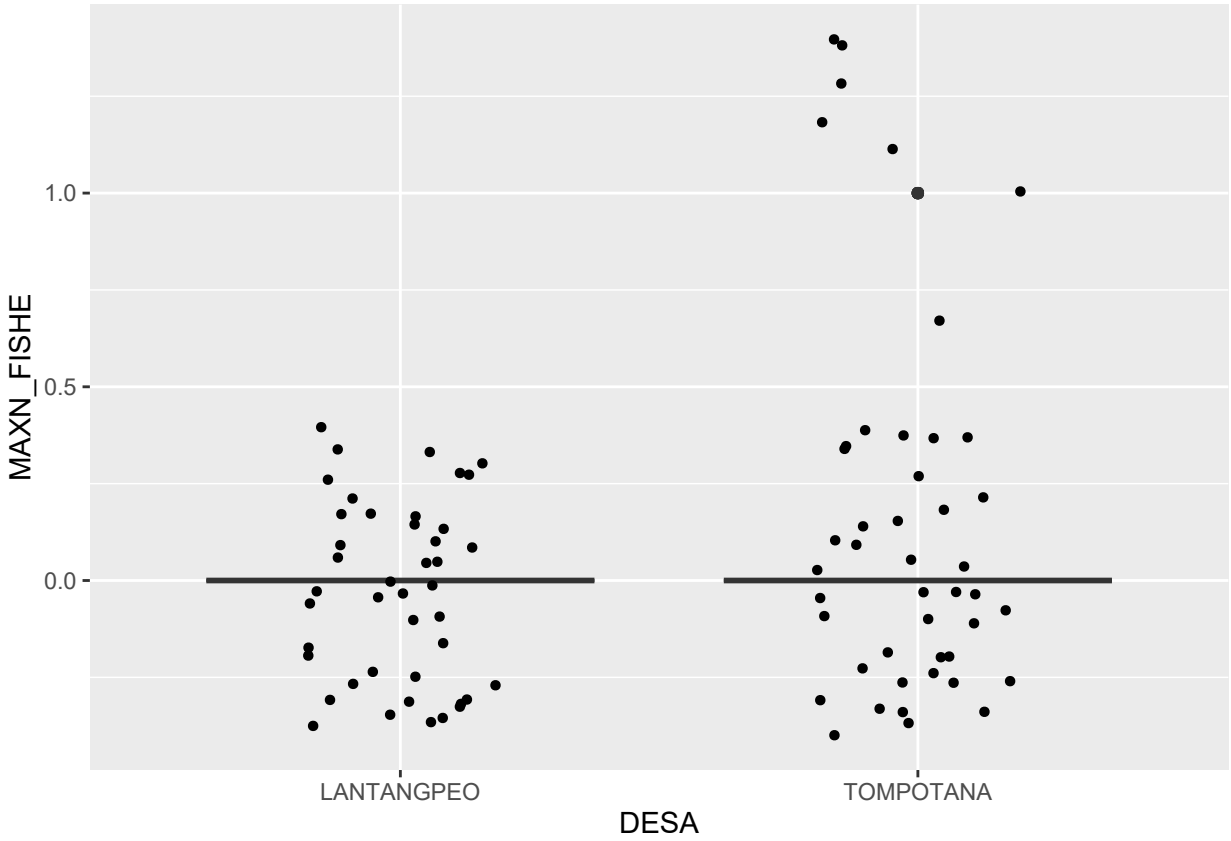
E
L
Jenis Mangrove
Dihancur
EMR
Alami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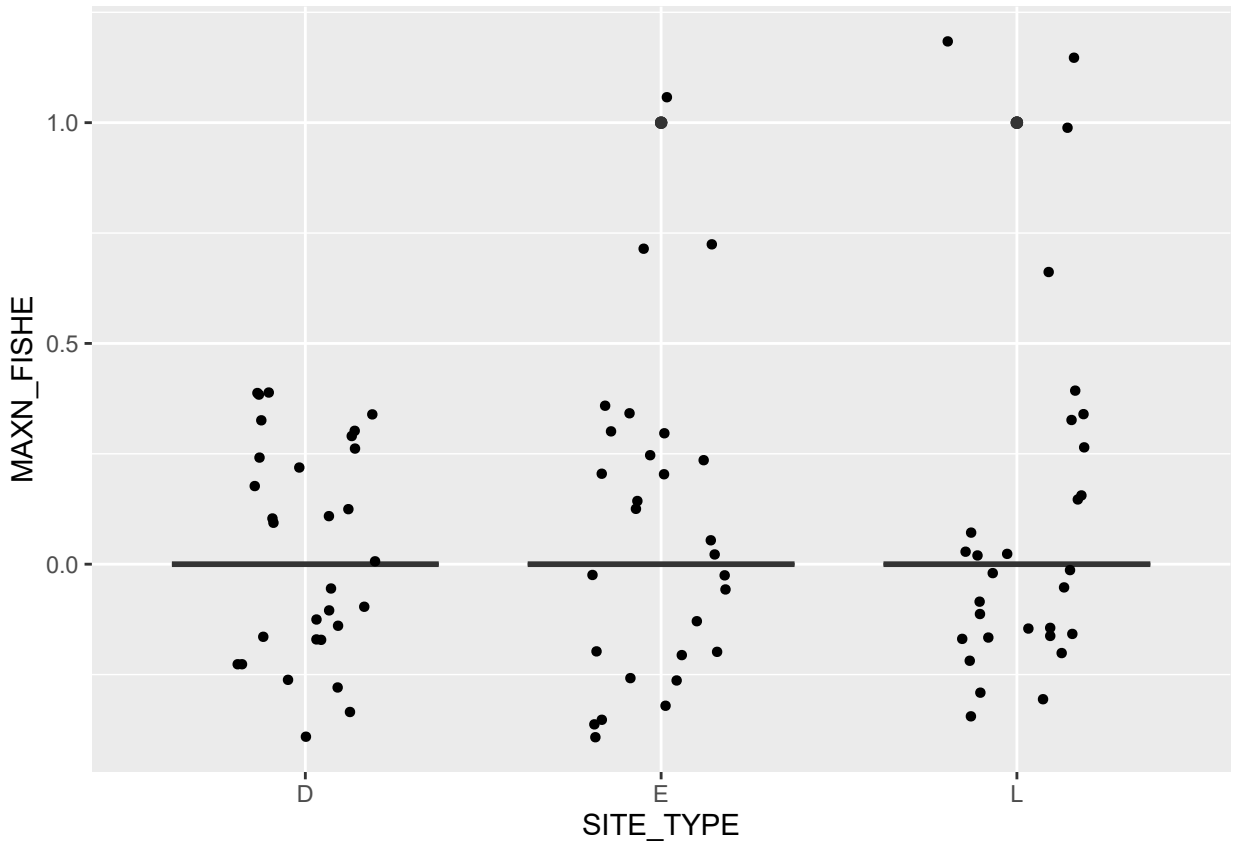
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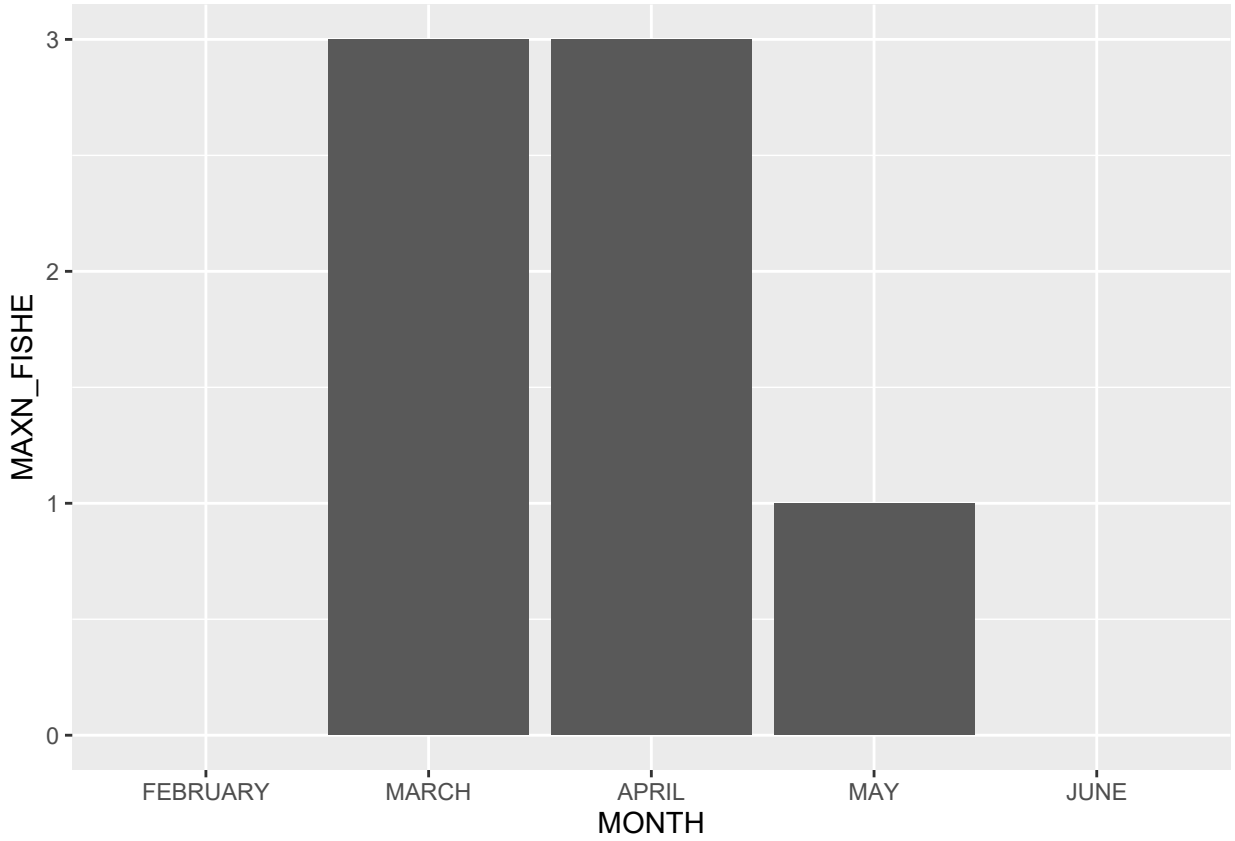
SITE_TYPE


3
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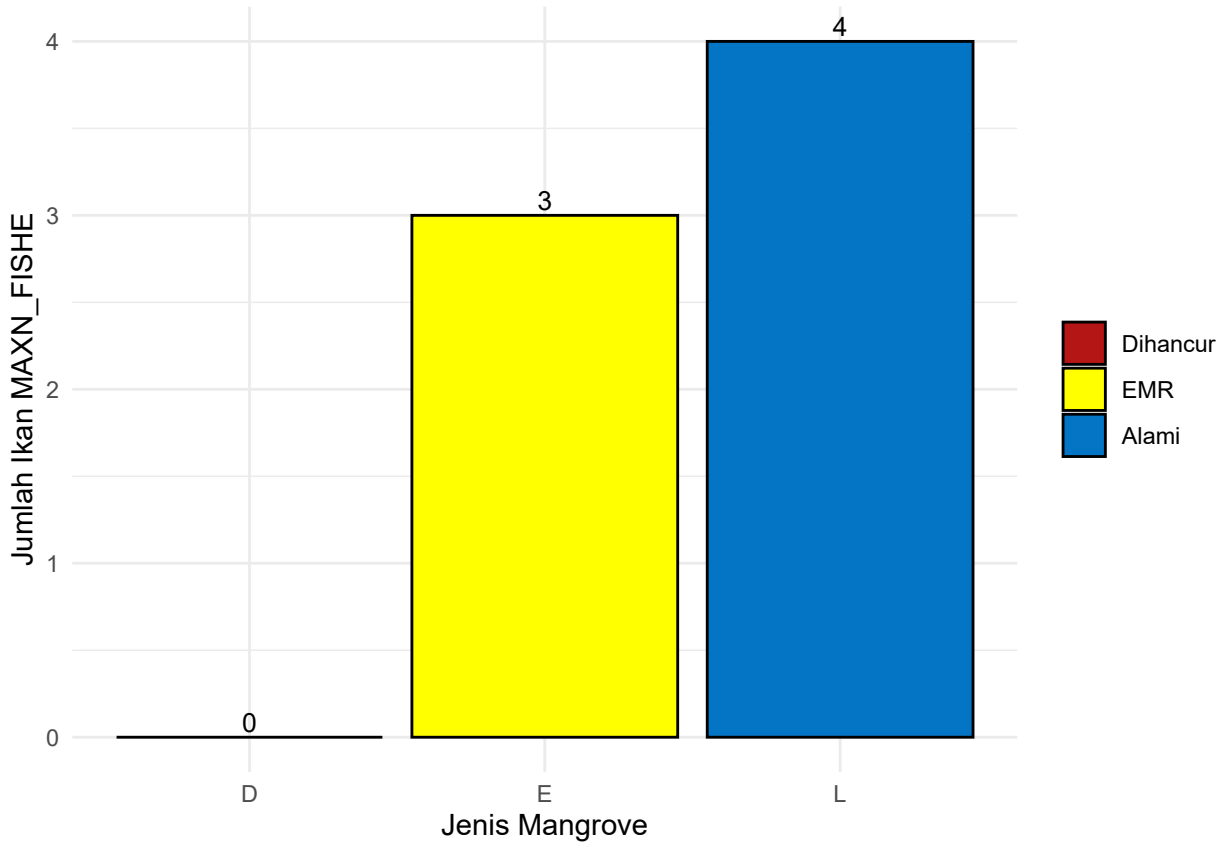
1
0
MAXN_FISHE
FEBRUARY
MARCH
APRIL
MAY
JUNE
MONTH


4
3
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Jumlah Ikan MAXN_FISHE
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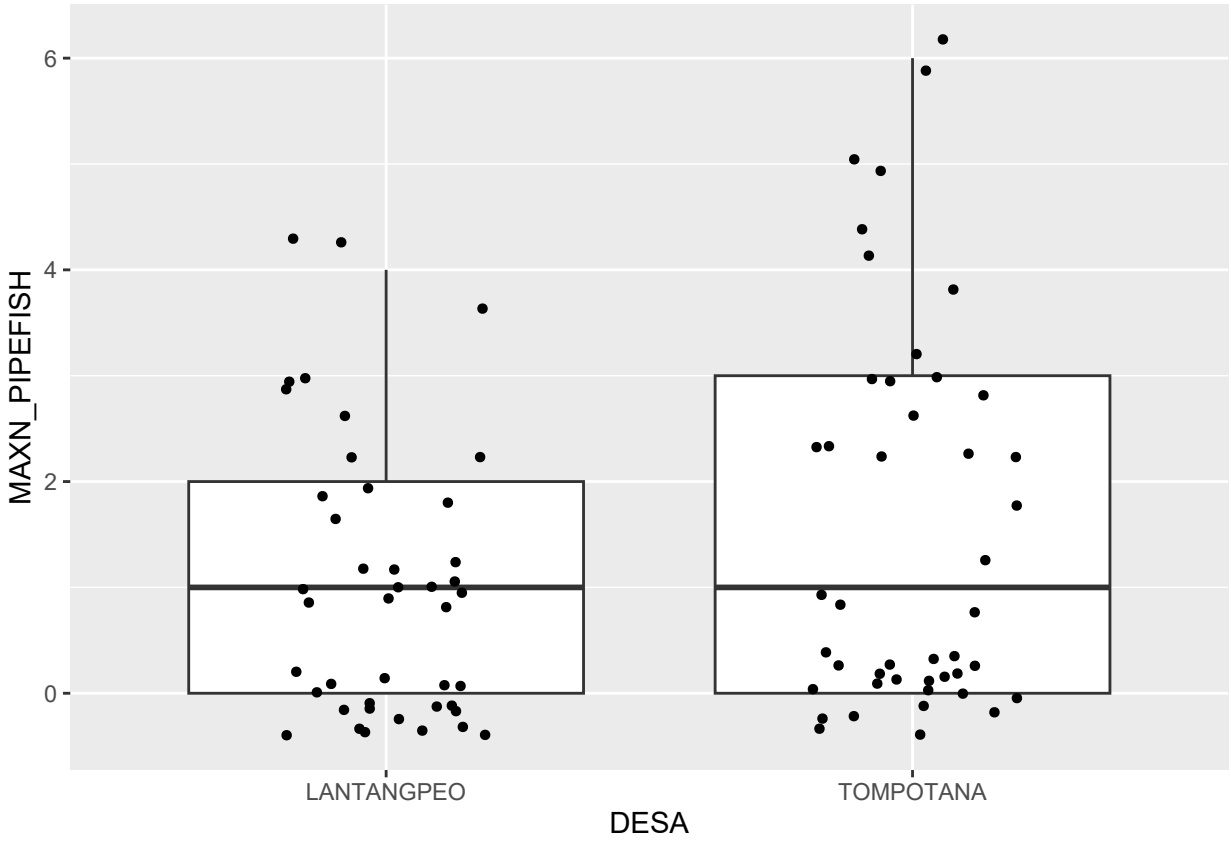
3
0
D
E
L
Jenis Mangrove
Dihancur
EMR
Alami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4
2
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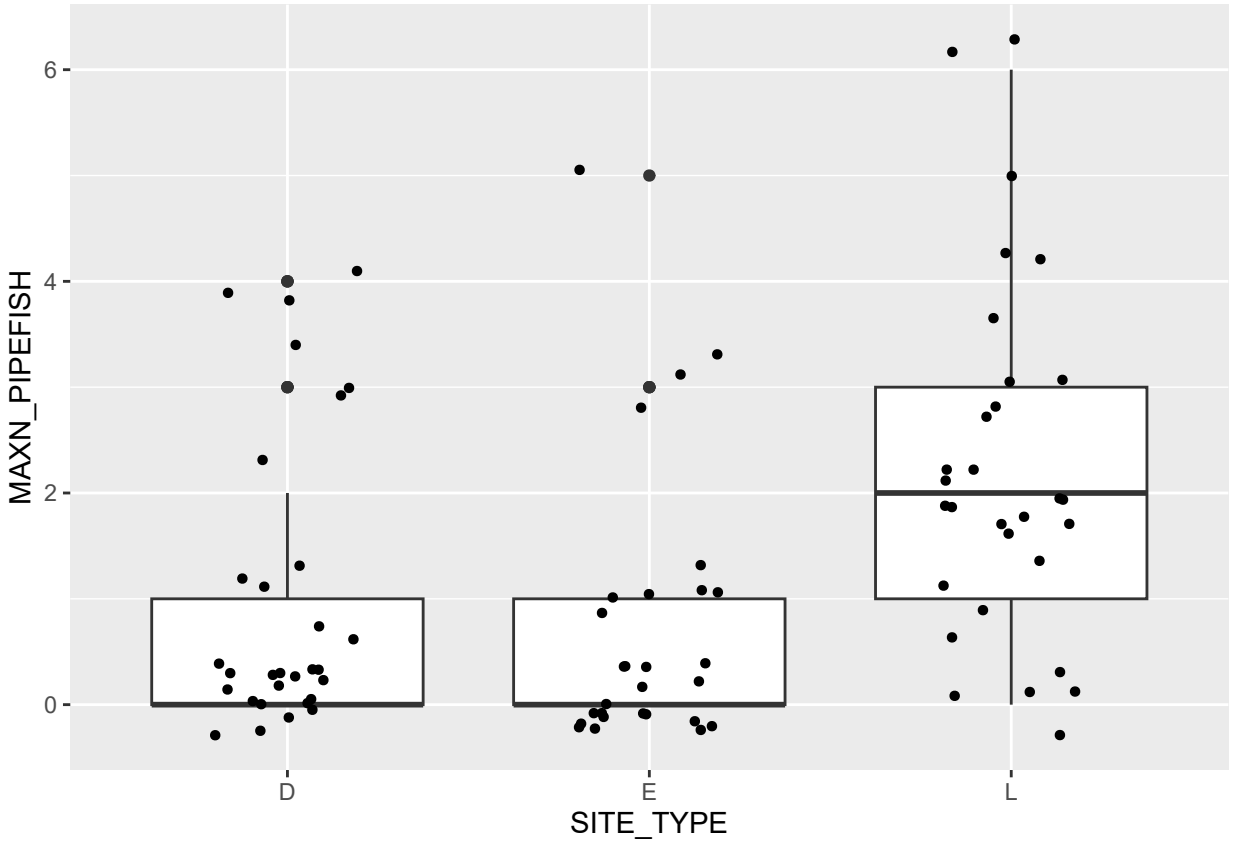
LANTANGPEO
TOMPOTANA
DESA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4
2
0
MAXN_PIPEFISH
D
E
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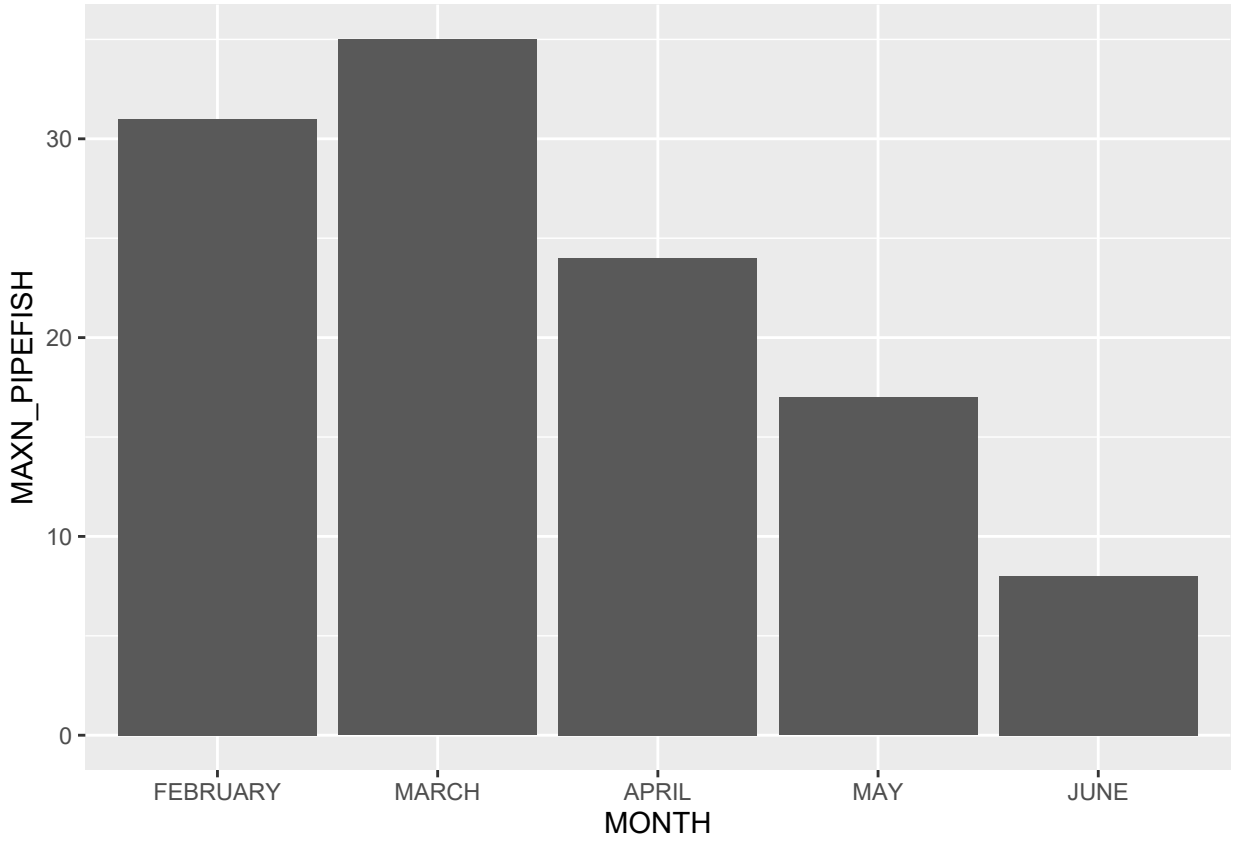
SITE_TYPE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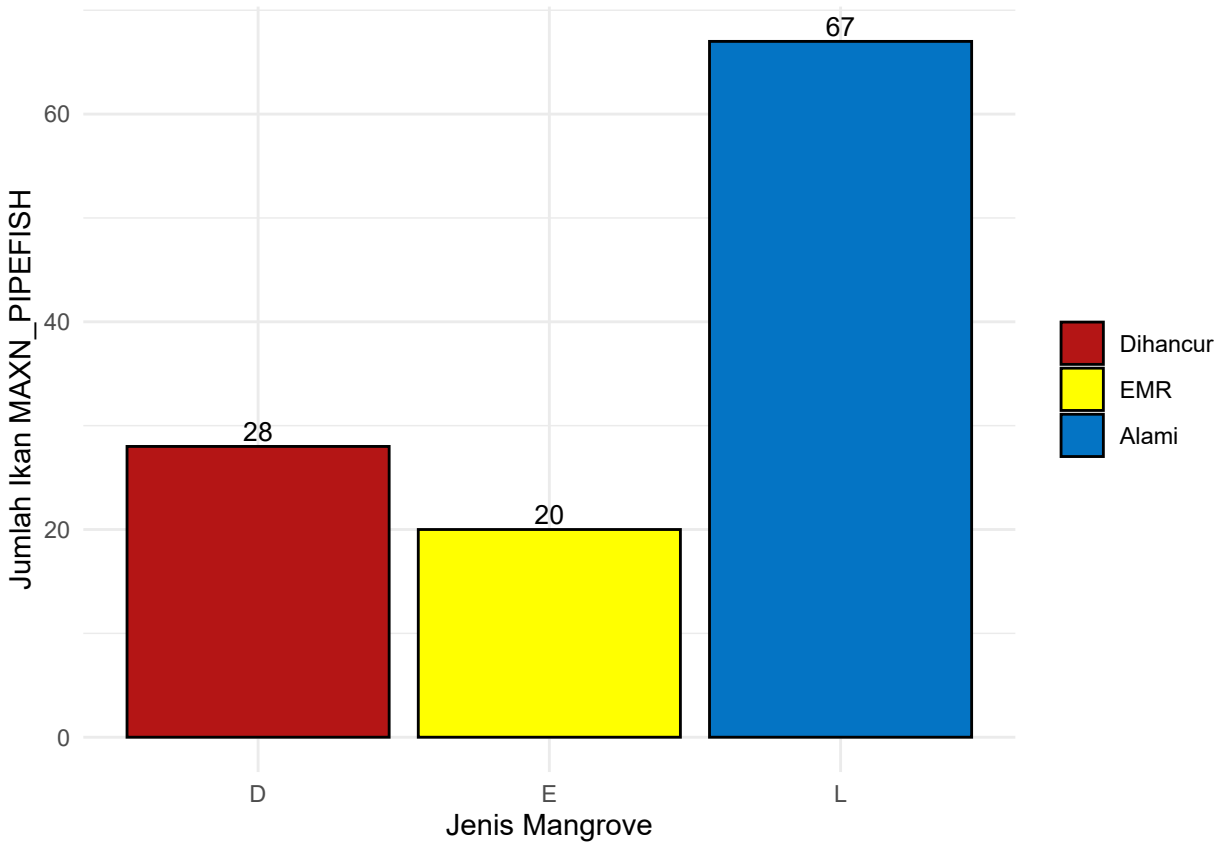
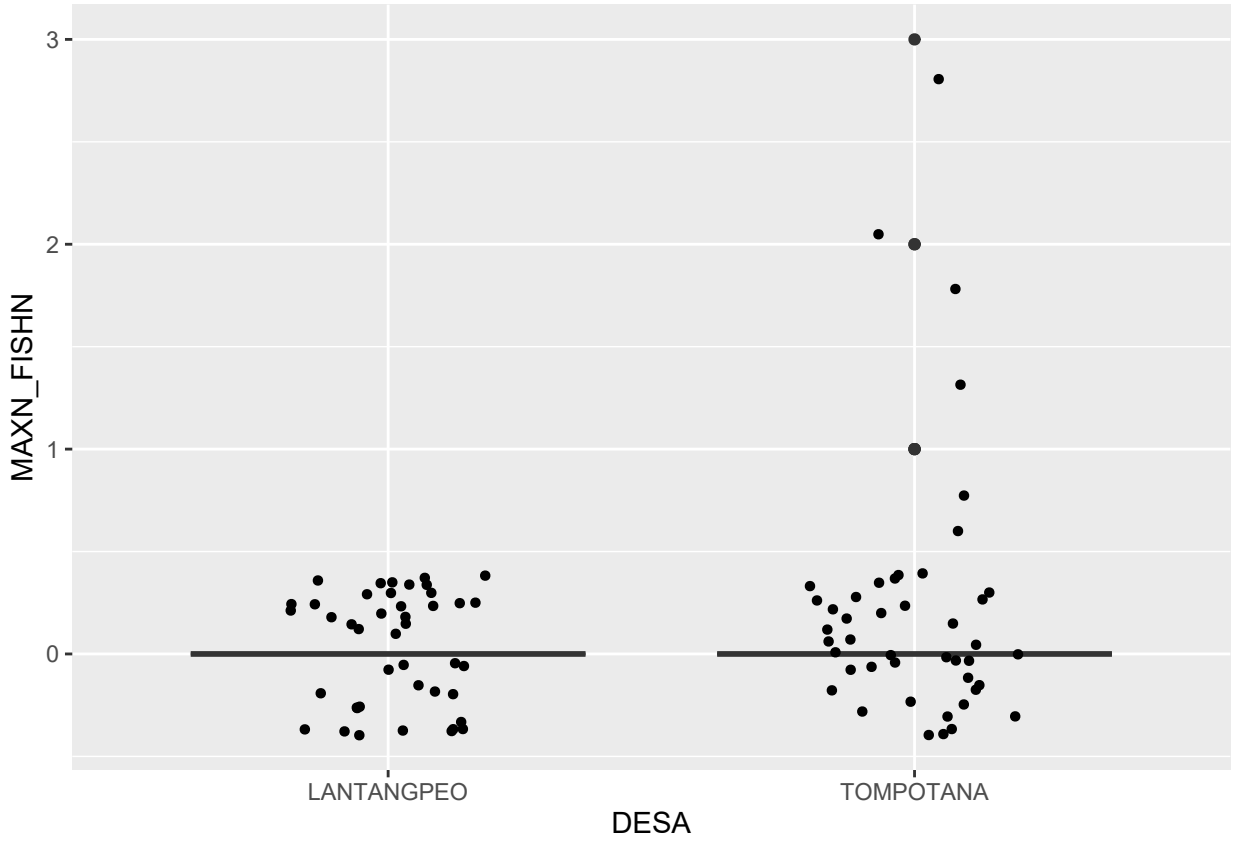
20
10
0
FEBRUARY
MARCH
APRIL
MAY
JUNE
MONTH


67
60
40
28
20
20
0
Jumlah Ikan MAXN_PIPEFISH
D
E
L
Jenis Mangrove
Dihancur
EMR
Alami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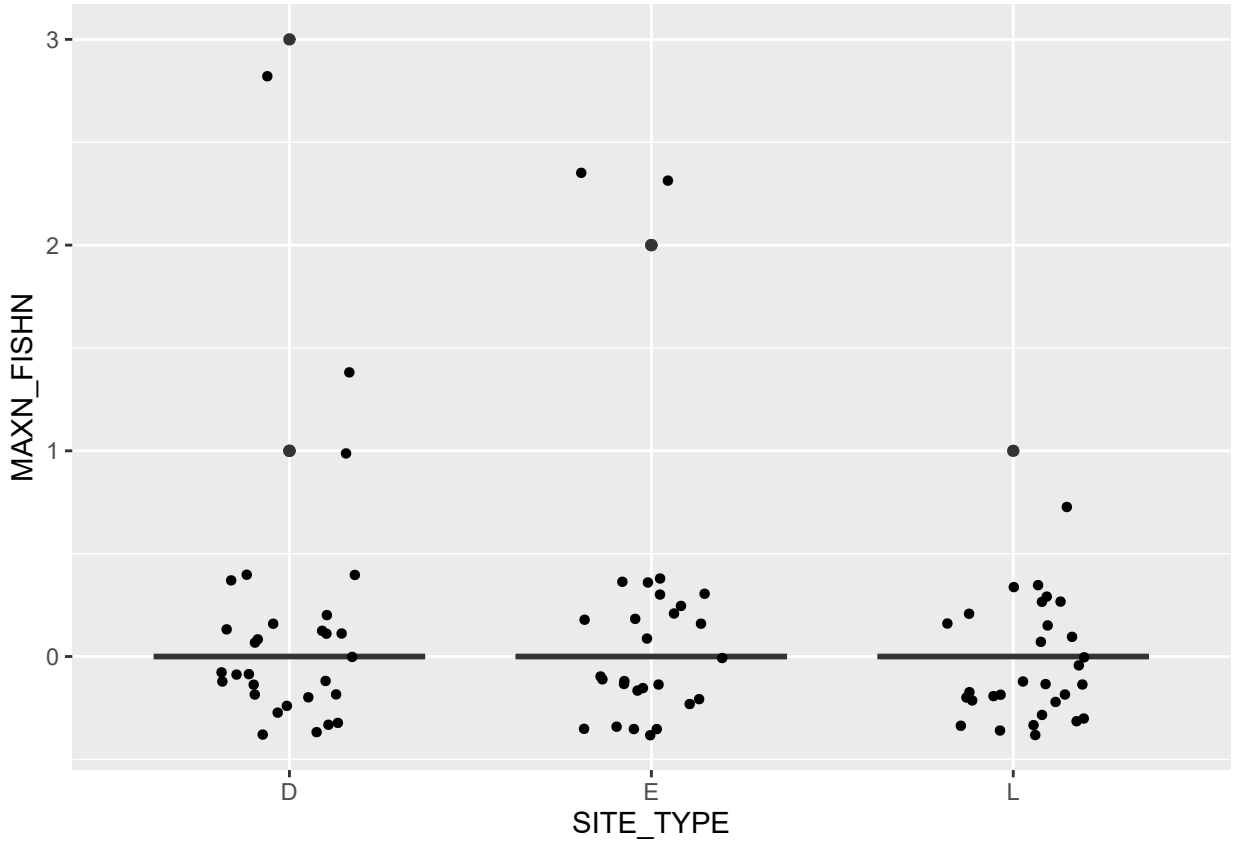
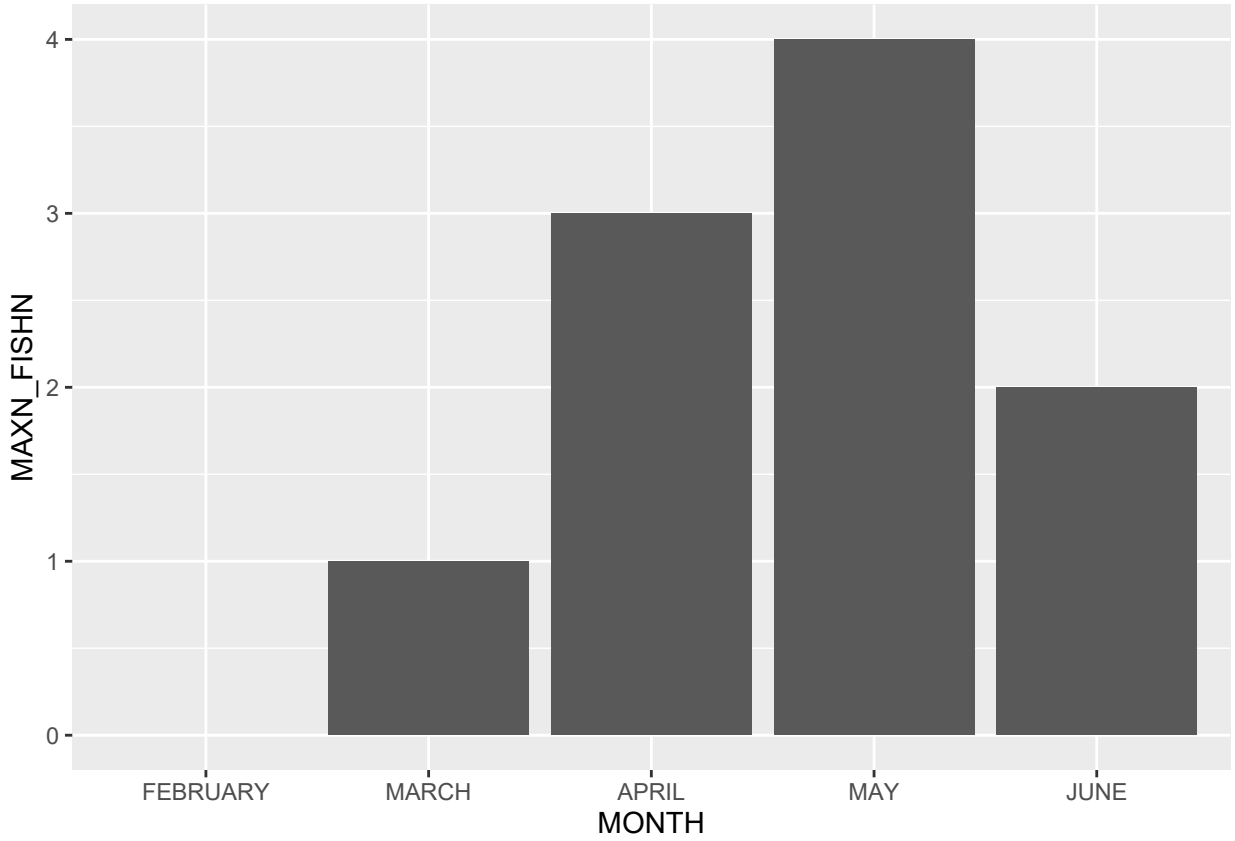
2
1
0
MAXN_FISHN
LANTANGPEO
TOMPOTANA
DESA


3
2
1
0
MAXN_FISHN
D
E
L
SITE_TYPE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1
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FEBRUARY
MARCH
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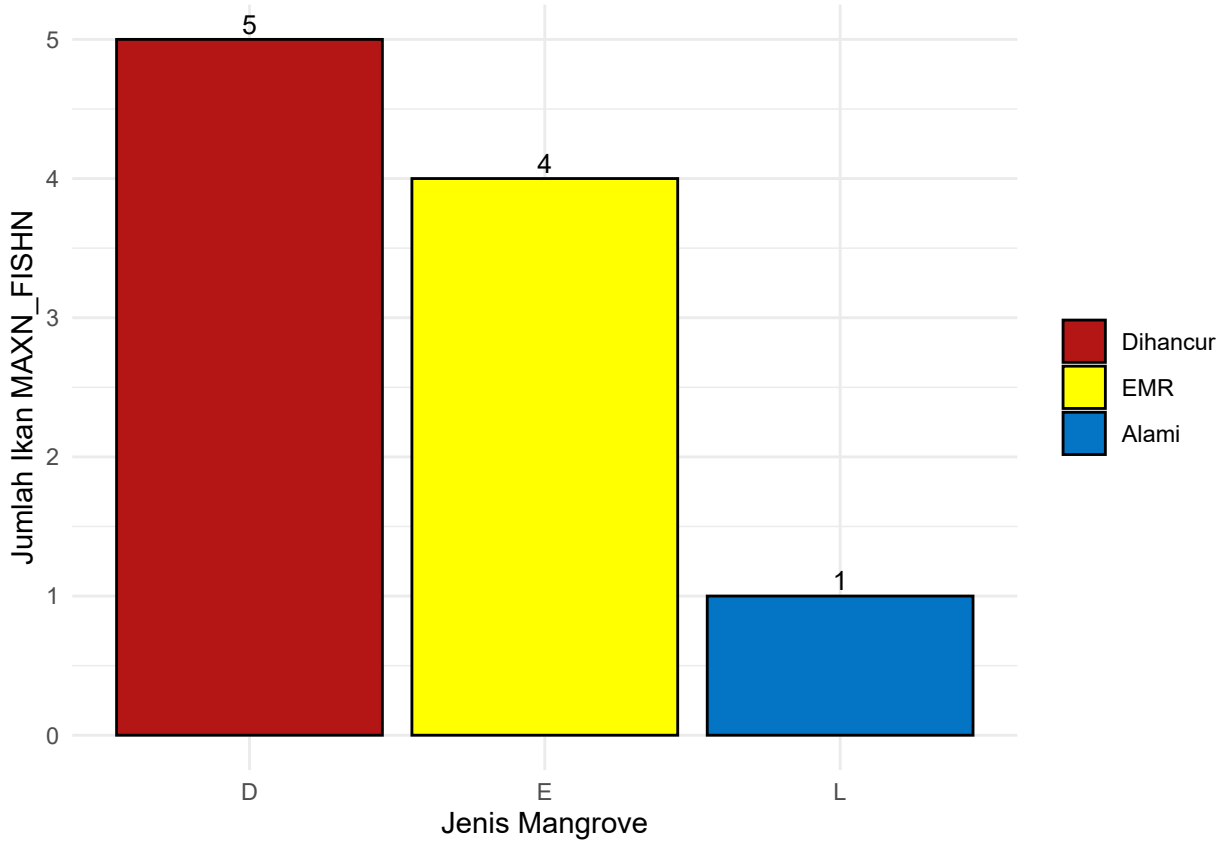
MAY
JUNE
MONTH


5
4
1
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3
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1
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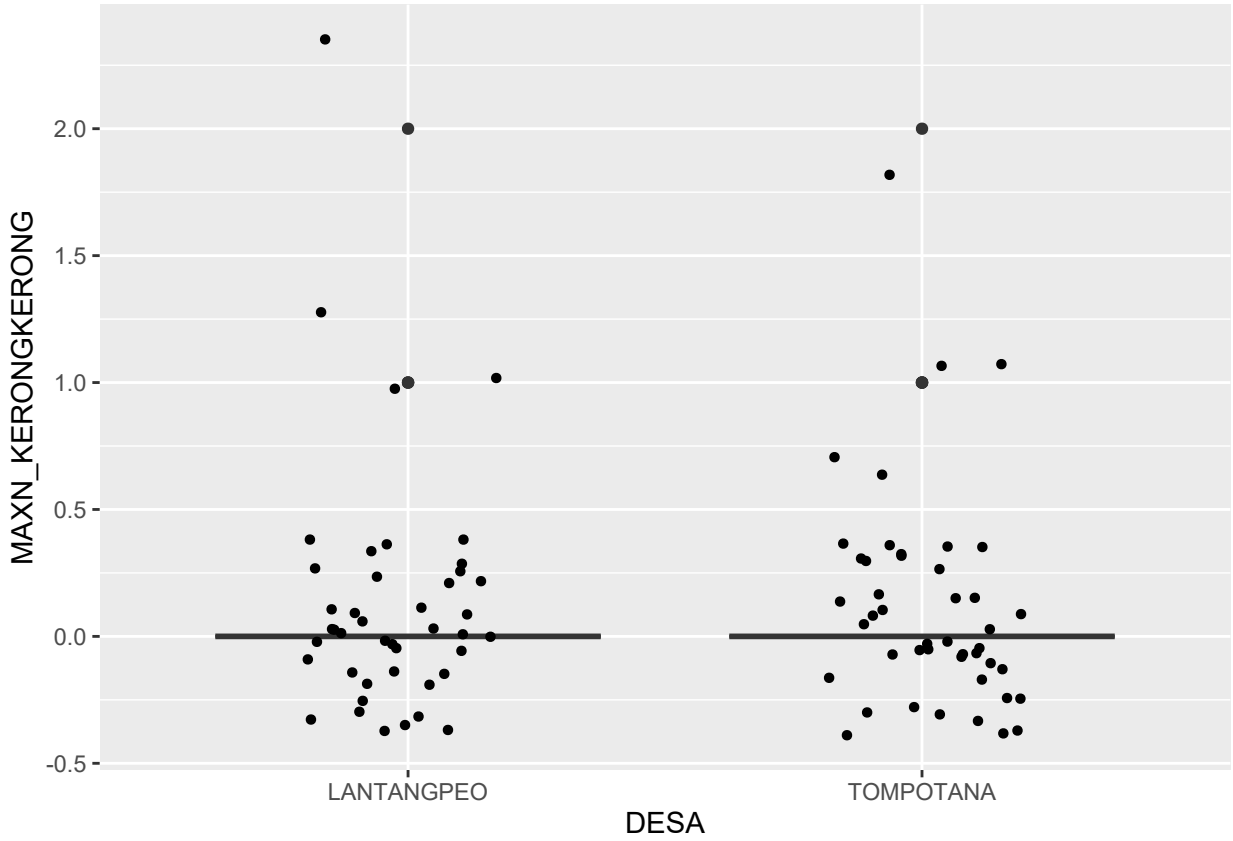
Jumlah Ikan MAXN_FISHN
D
E
L
Jenis Mangrove
Dihancur
EMR
Alami


MAXN_KERONGKERONG
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1.0
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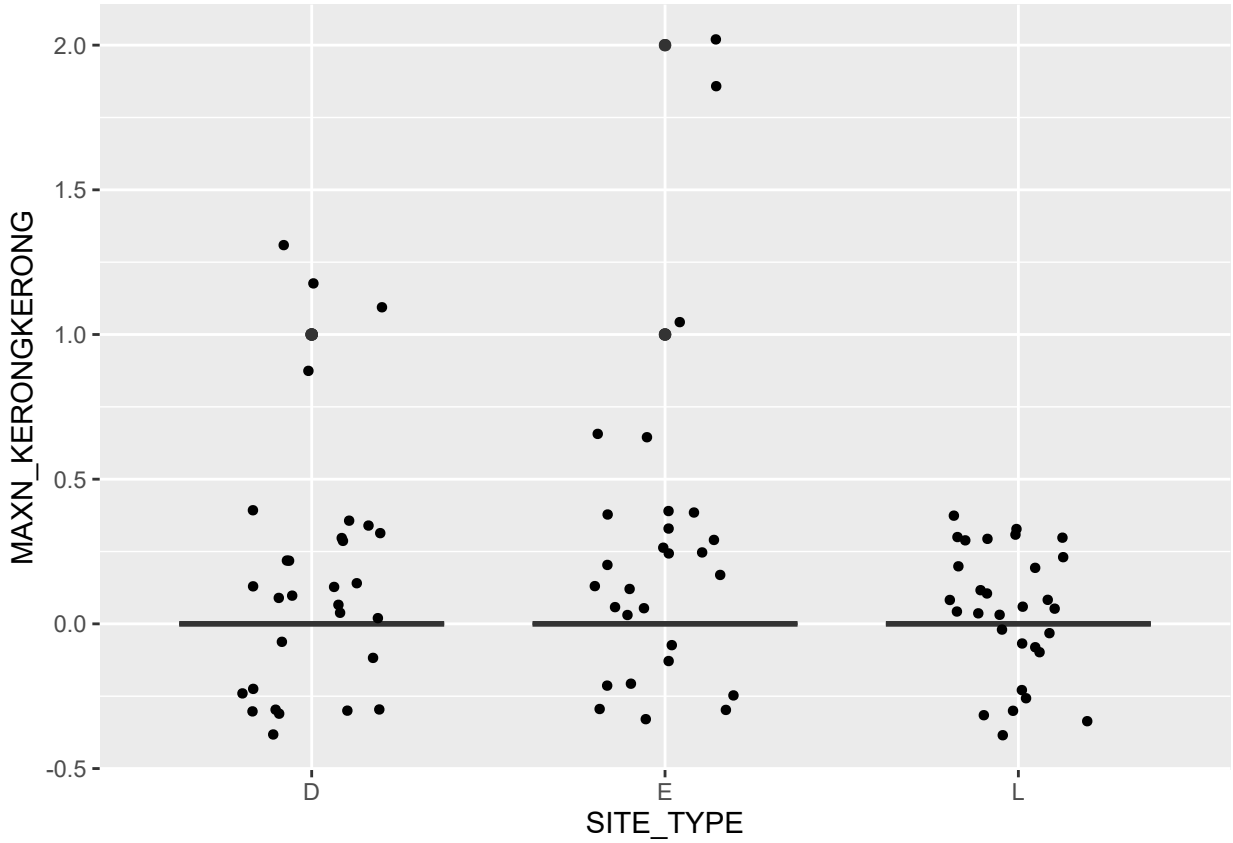
LANTANGPEO
TOMPOTANA
DESA


2.0
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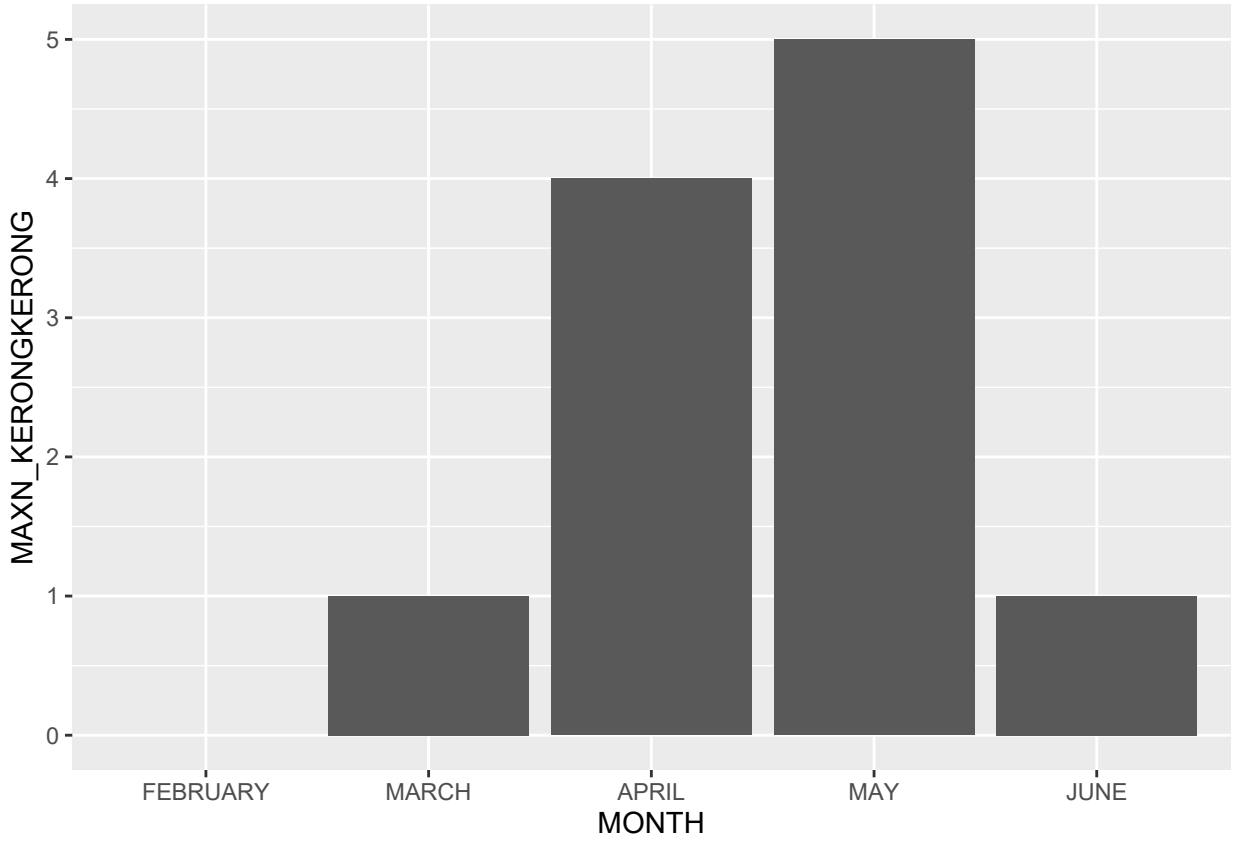
1.0
0.5
0.0
-0.5
MAXN_KERONGKERONG
D
E
L
SITE_TYPE


MAXN_KERONGKERONG
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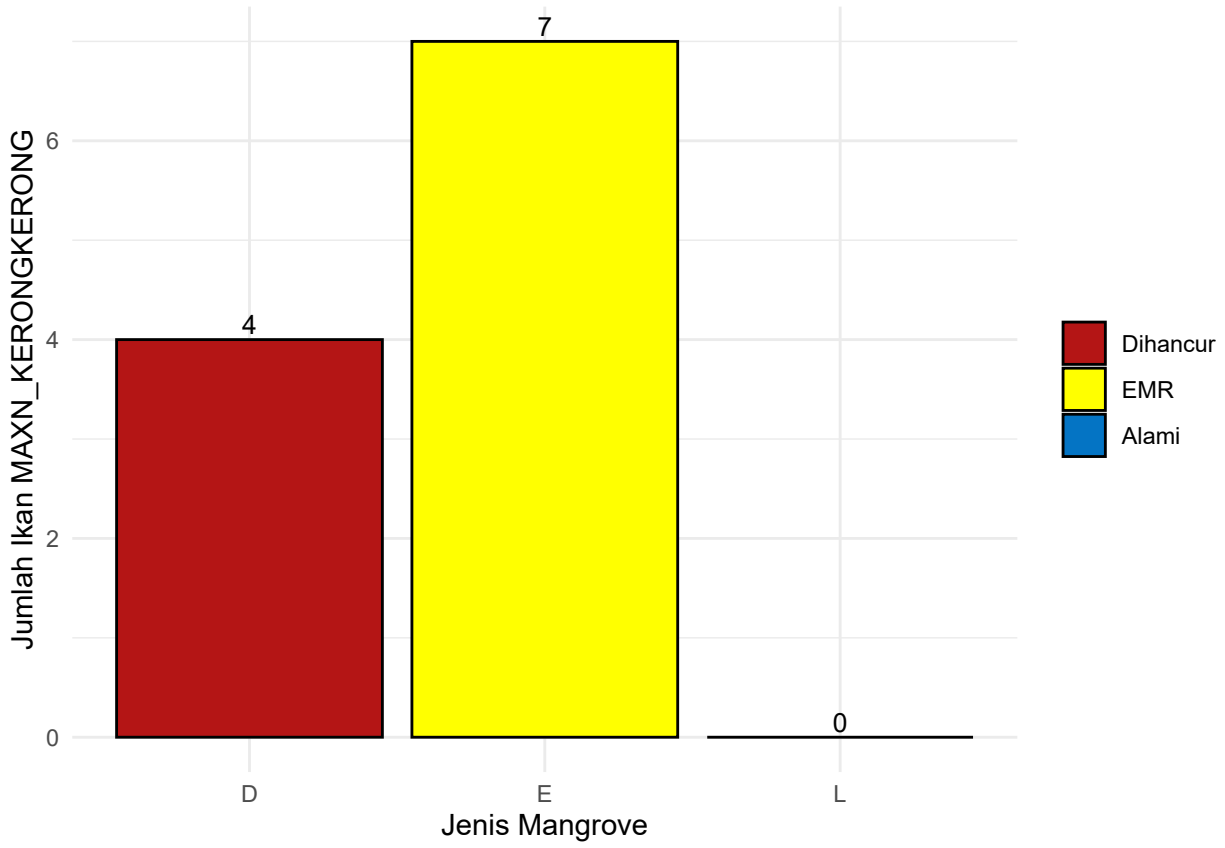
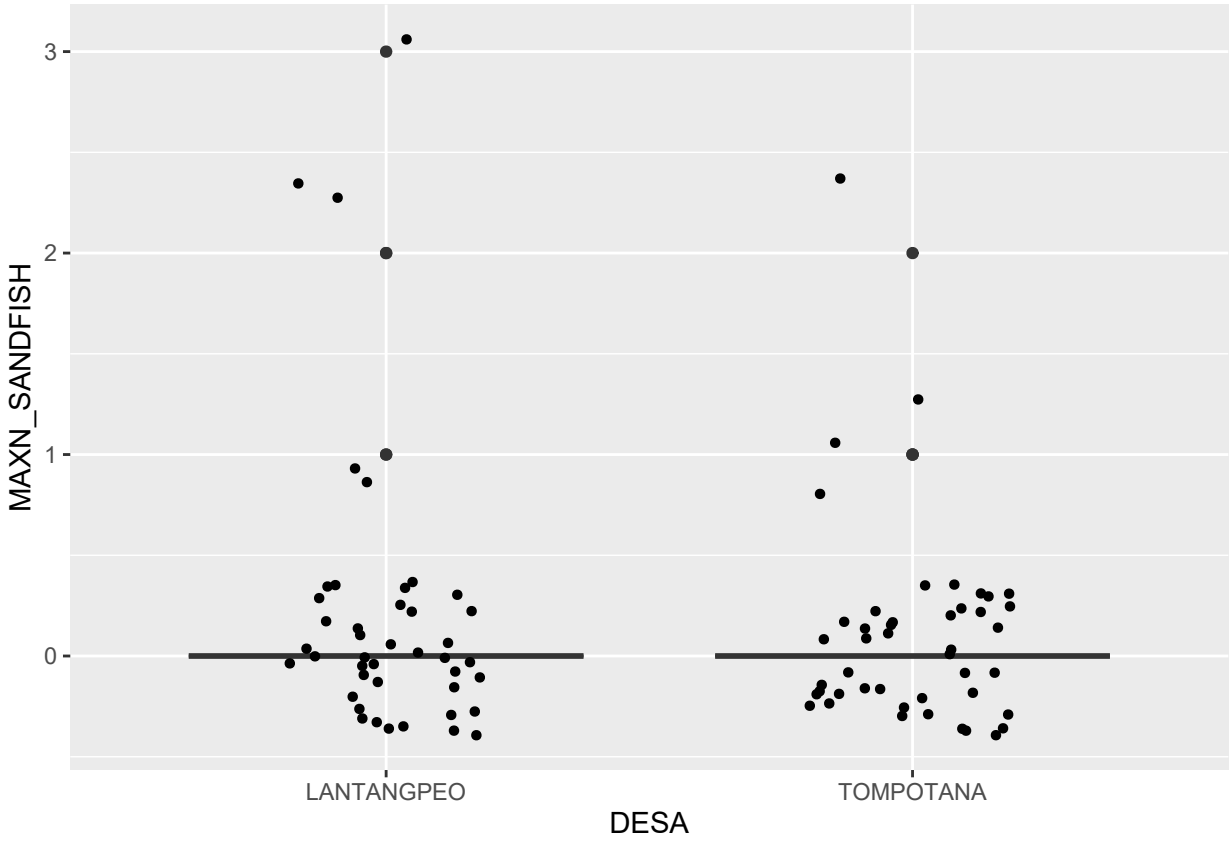
4
3
2
1
0
FEBRUARY
MARCH
APRIL
MAY
JUNE
MONTH


Jumlah Ikan MAXN_KERONGKERONG
0
2
4
6
4
7
0
D
E
L
Jenis Mangrove
Dihancur
EMR
Alami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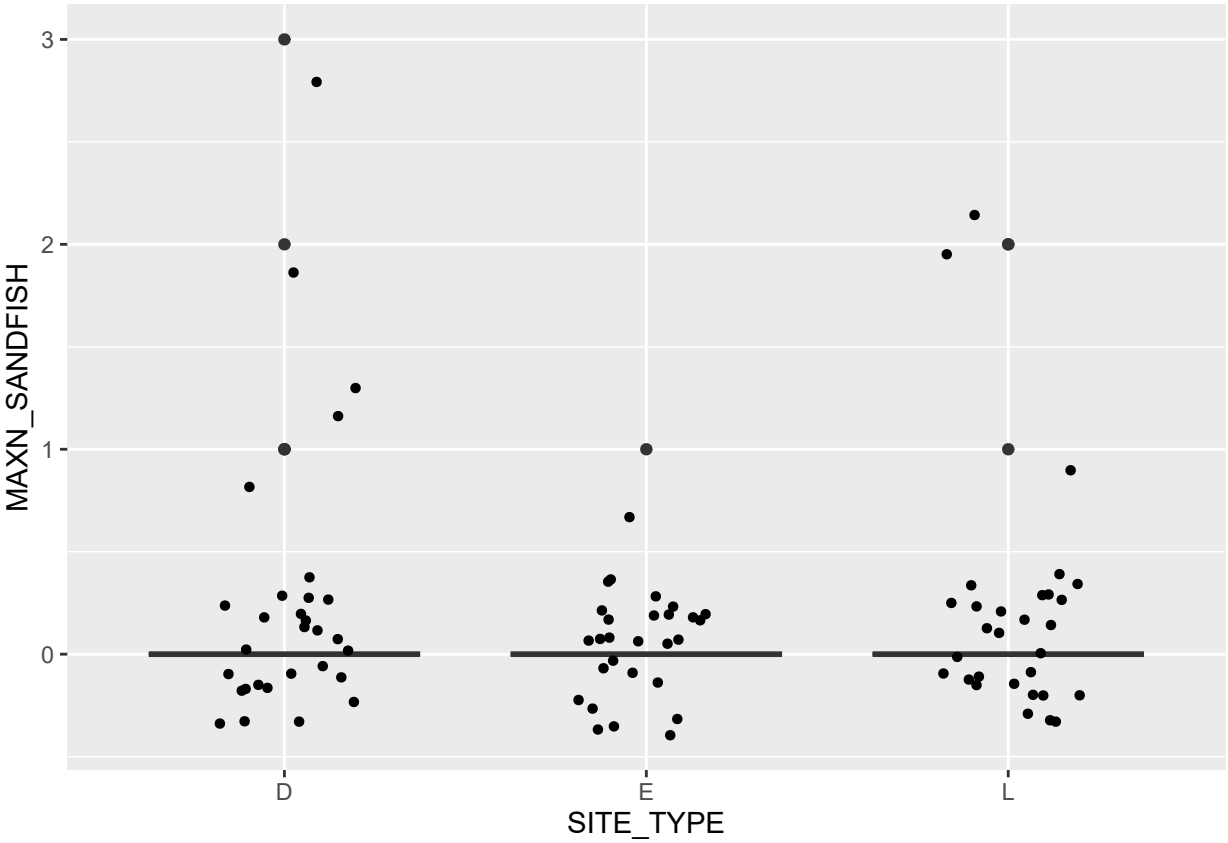
LANTANGPEO
TOMPOTANA
DESA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D
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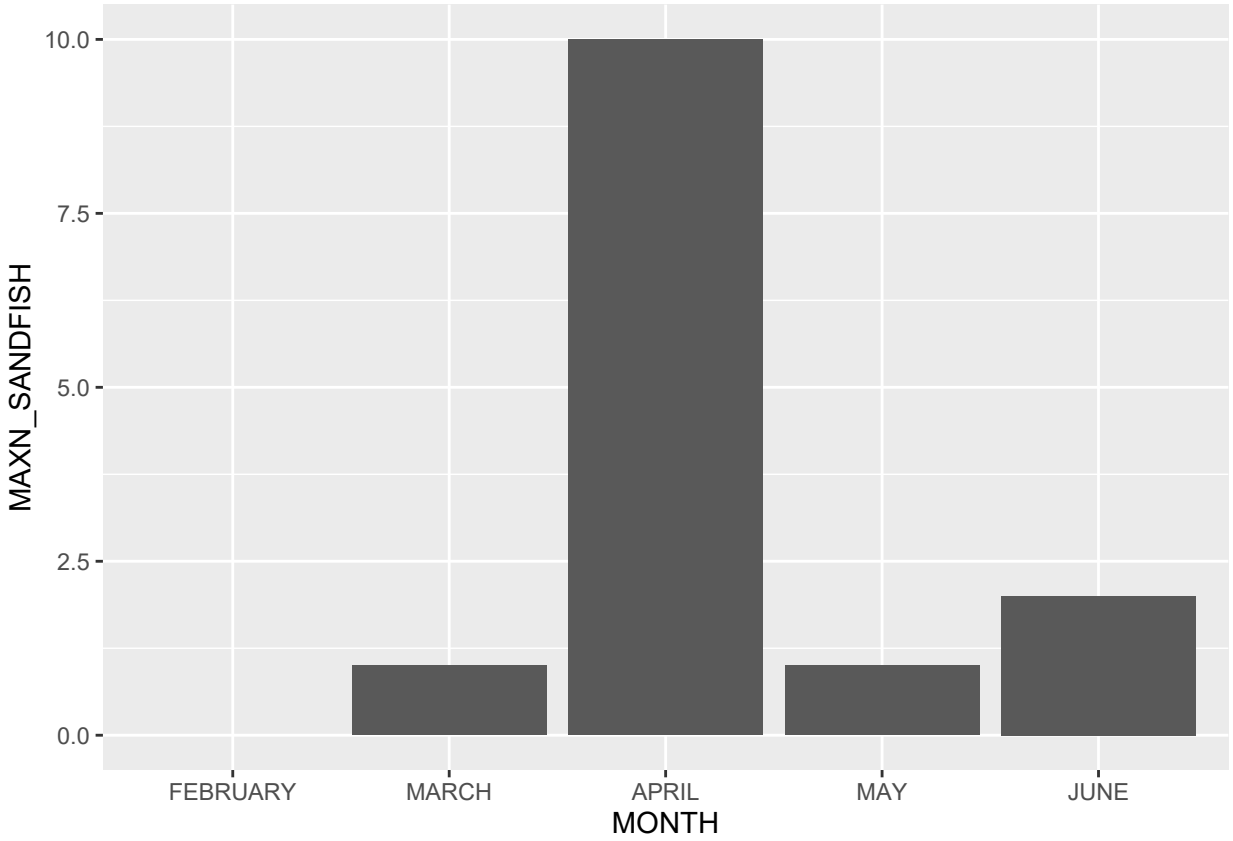
SITE_TYPE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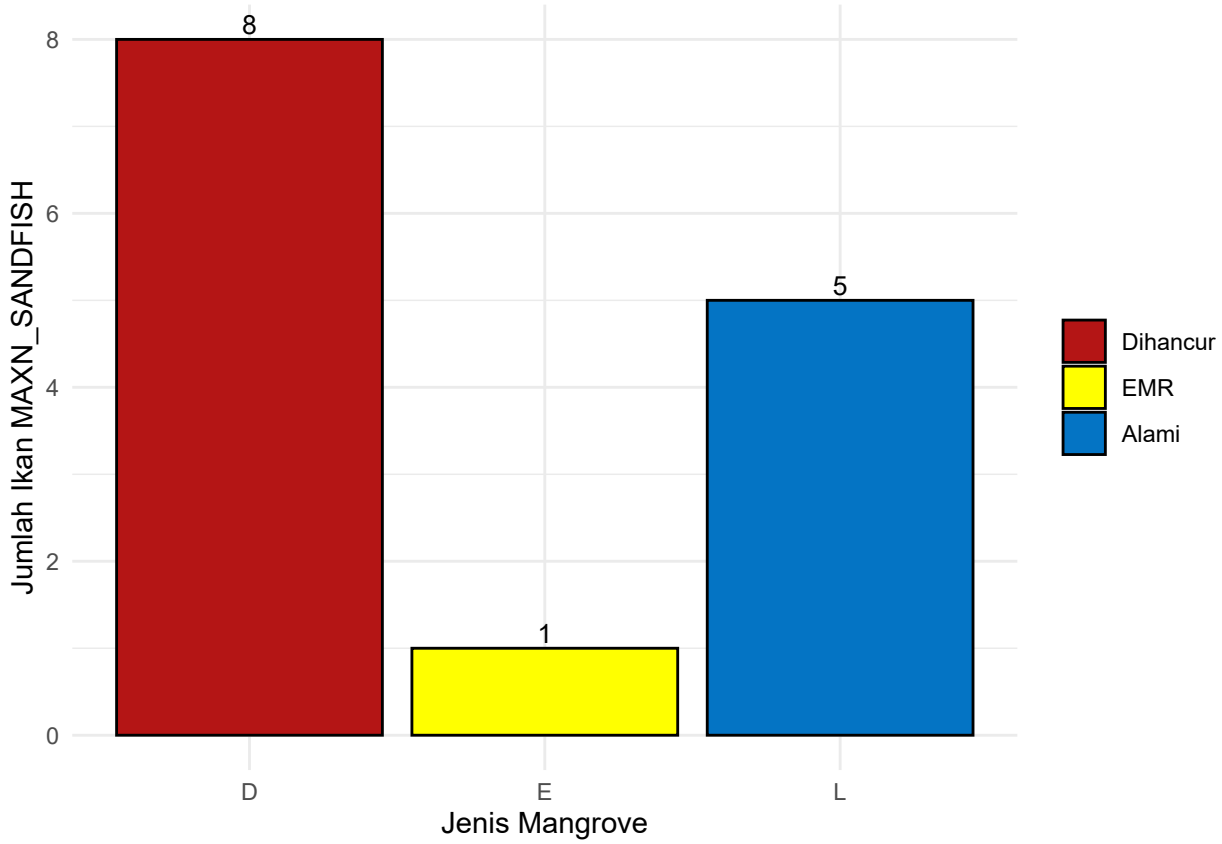
FEBRUARY
MARCH
APRIL
MAY
JUNE
MONTH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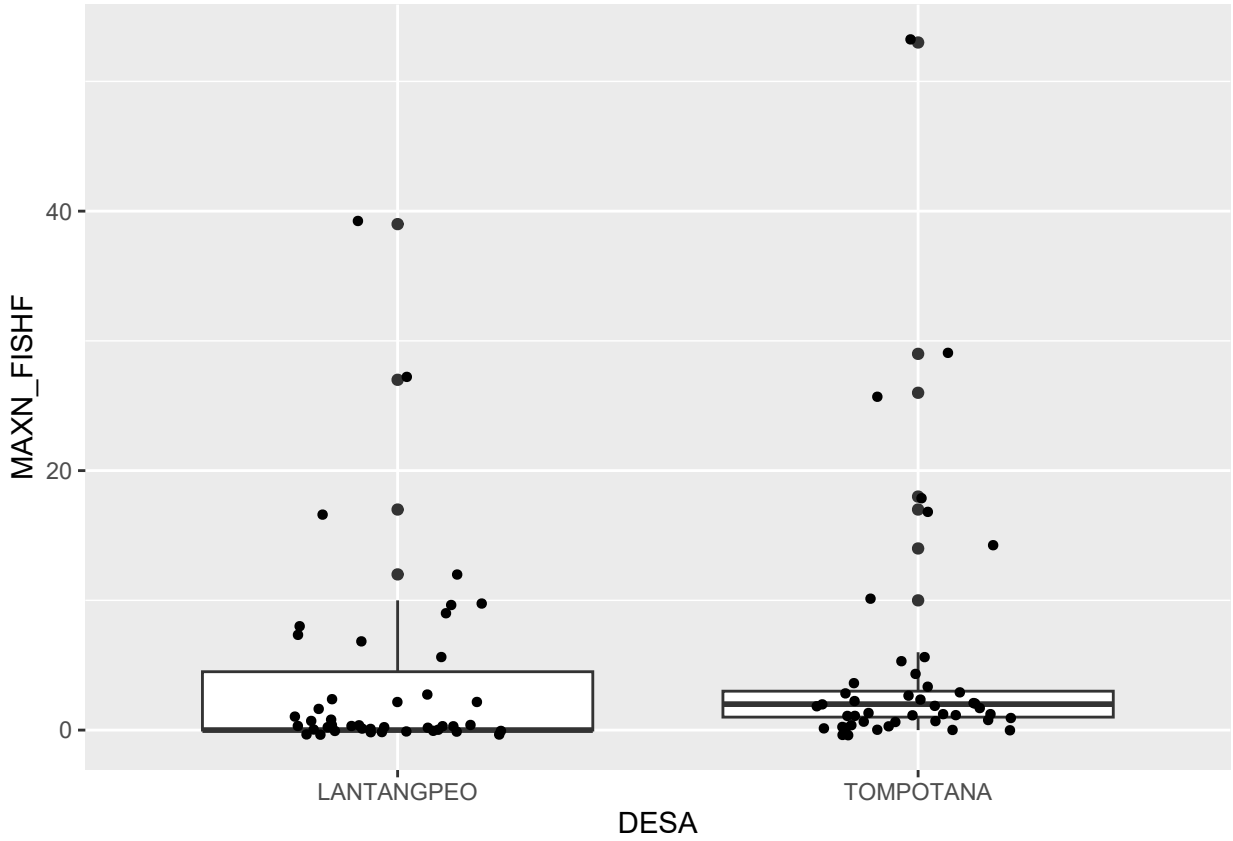
Jumlah Ikan MAXN_SANDFISH
D
E
L
Jenis Mangrove
Dihancur
EMR
Alami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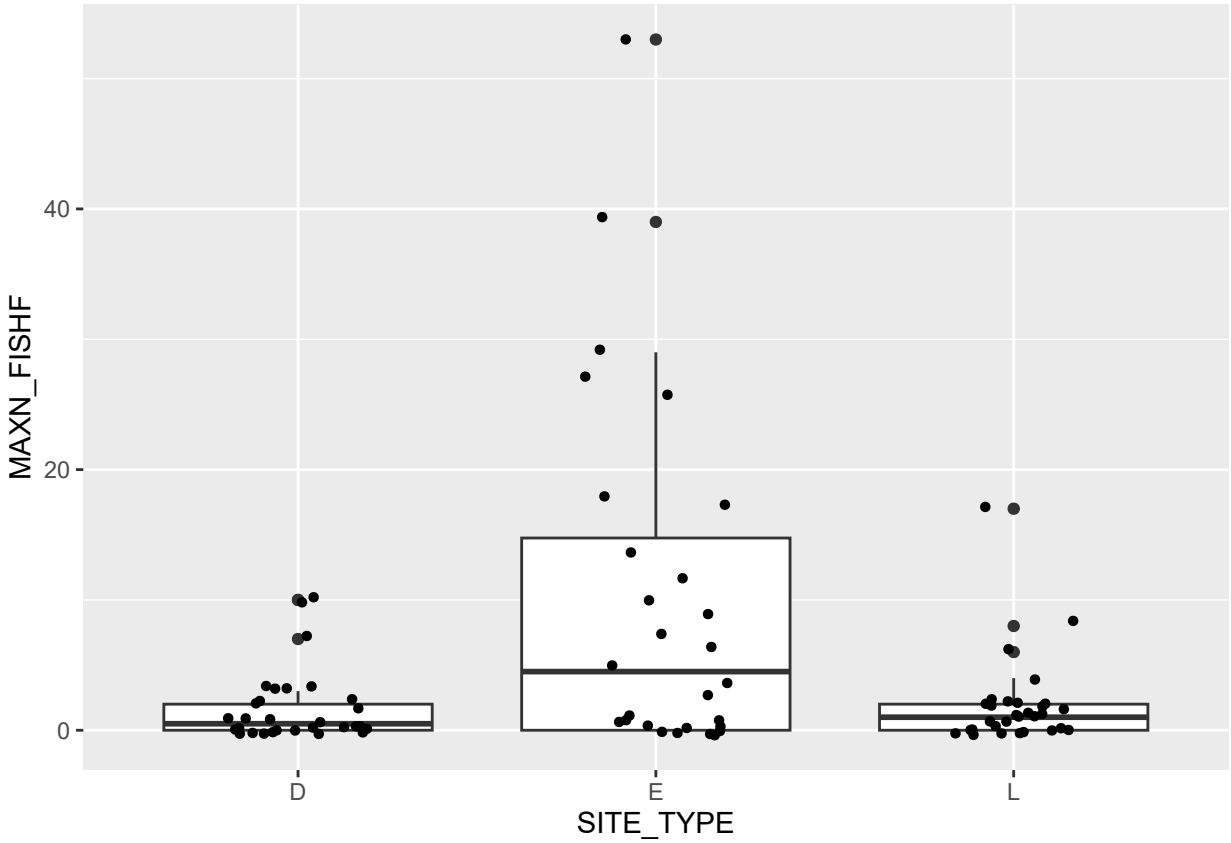
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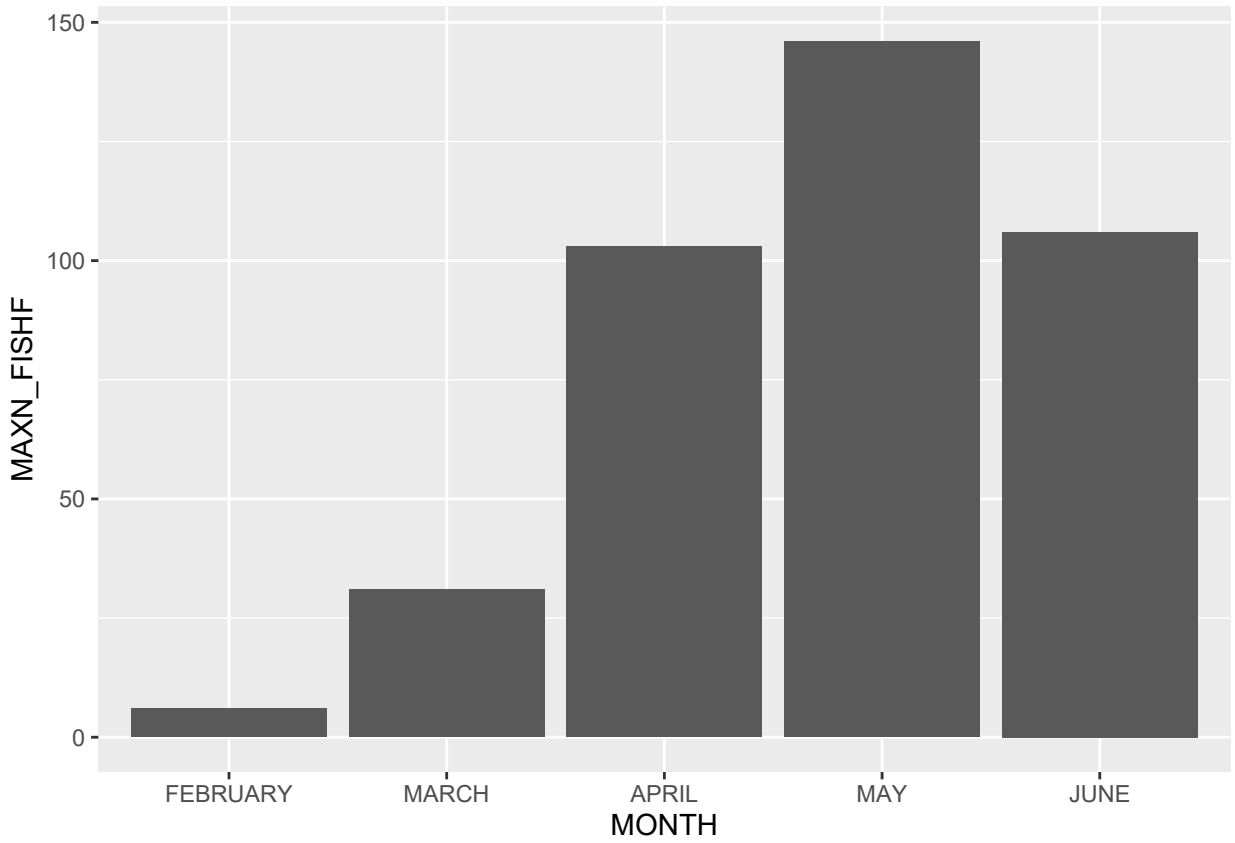
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MARCH
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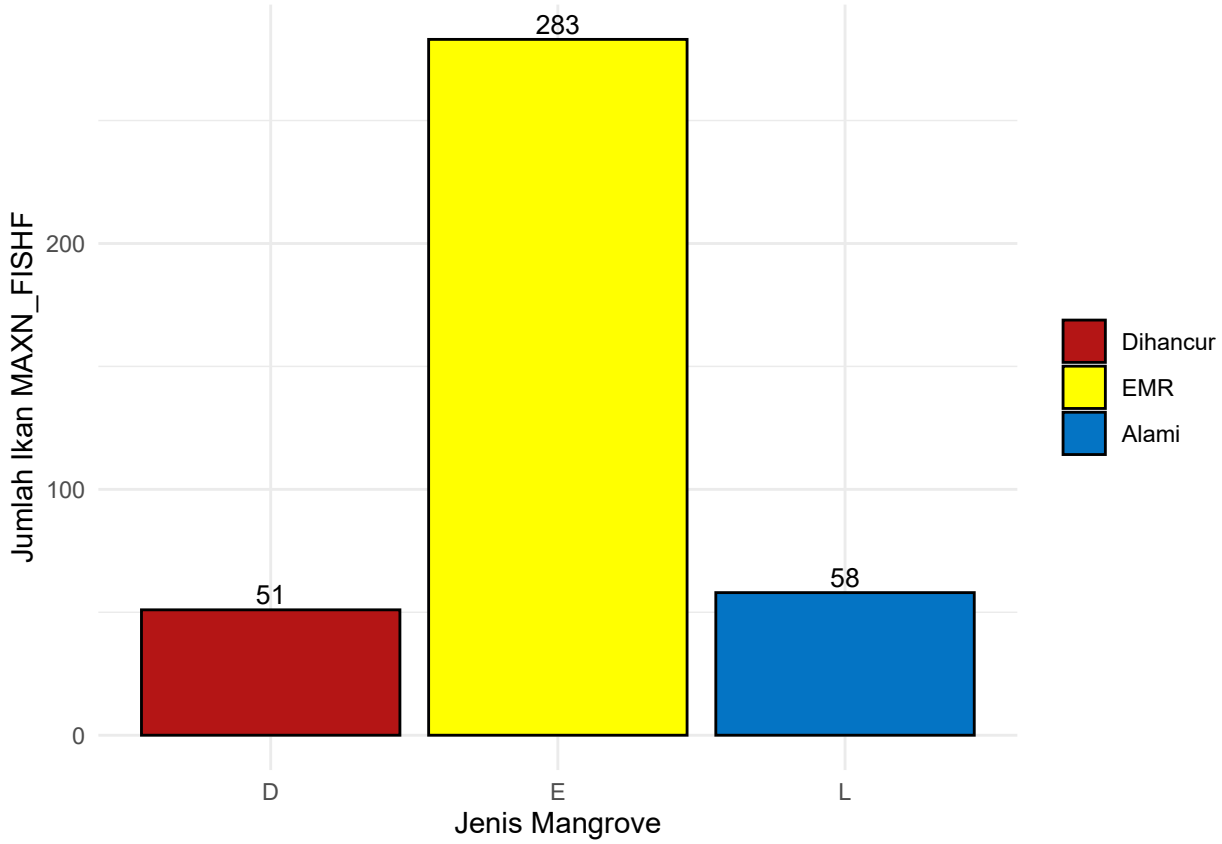
JUNE
MONTH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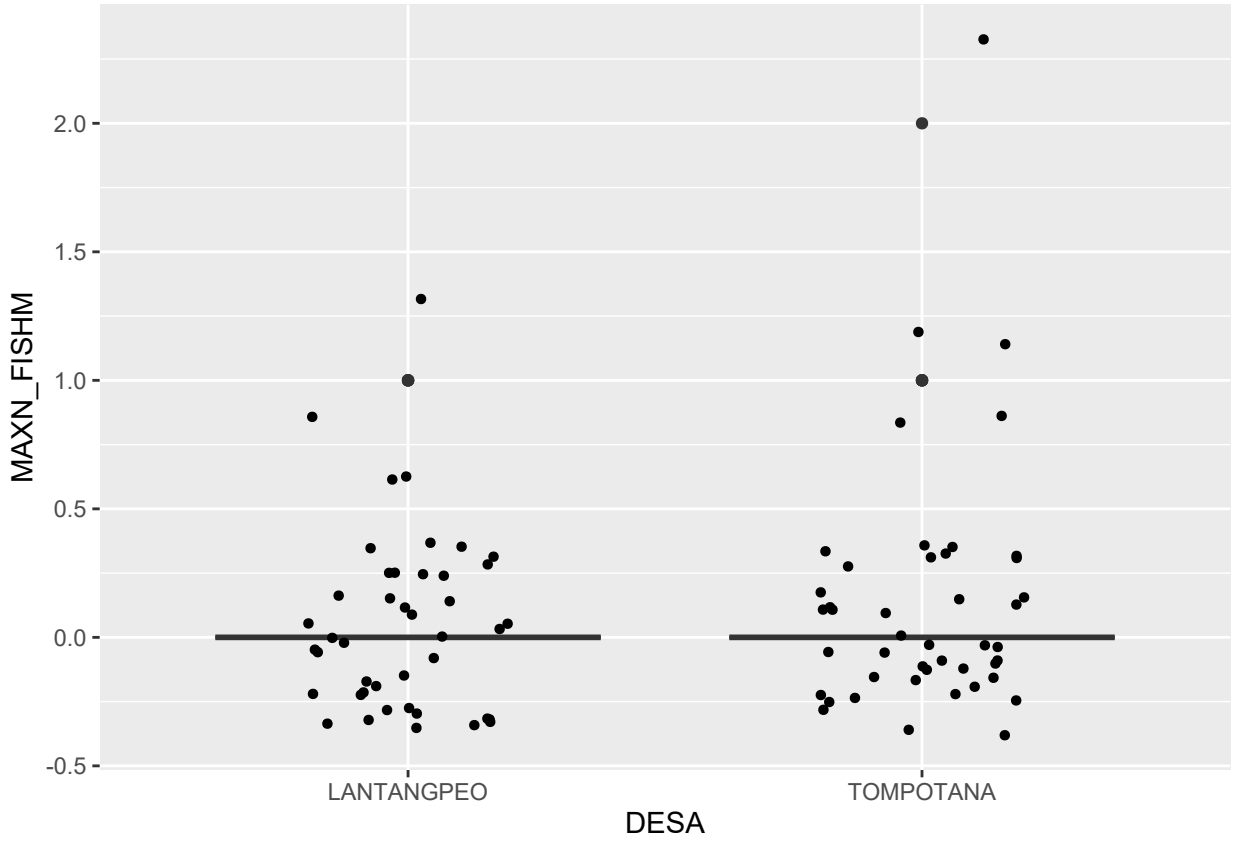
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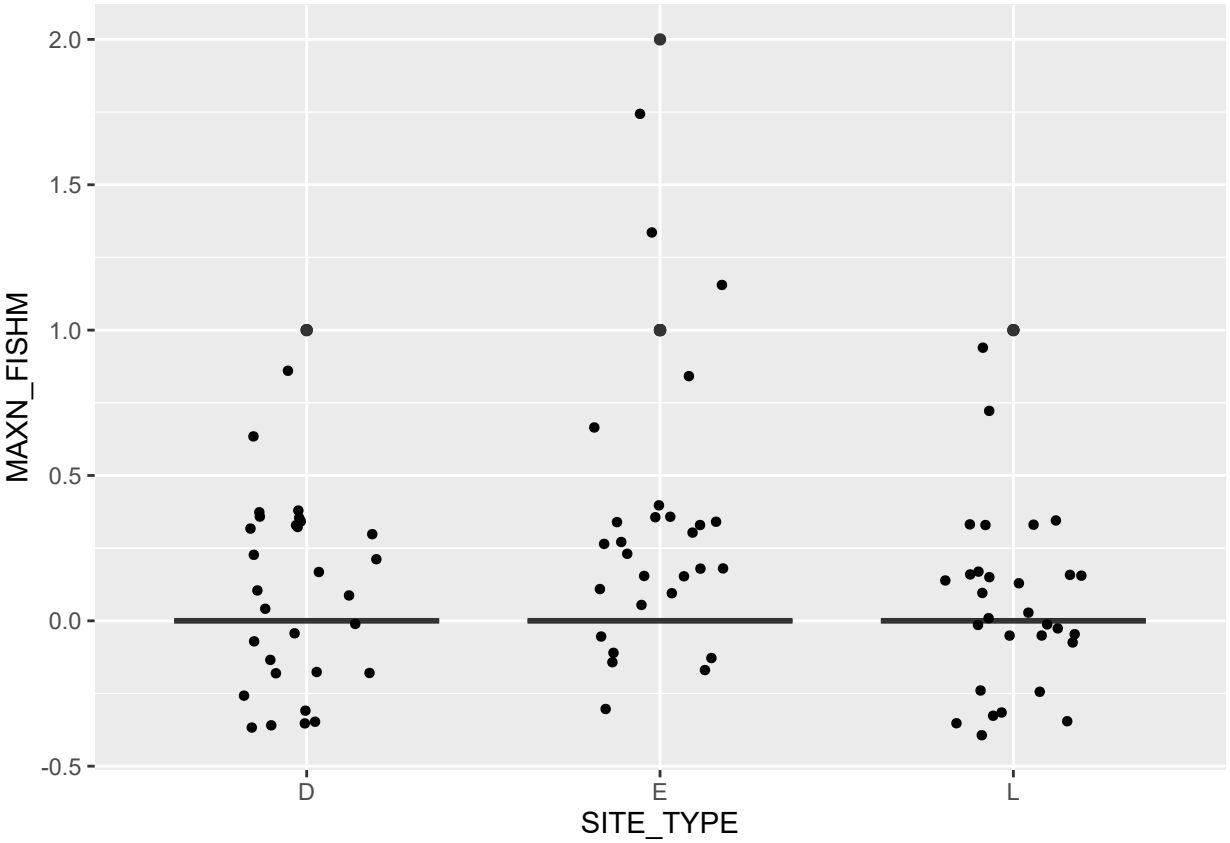
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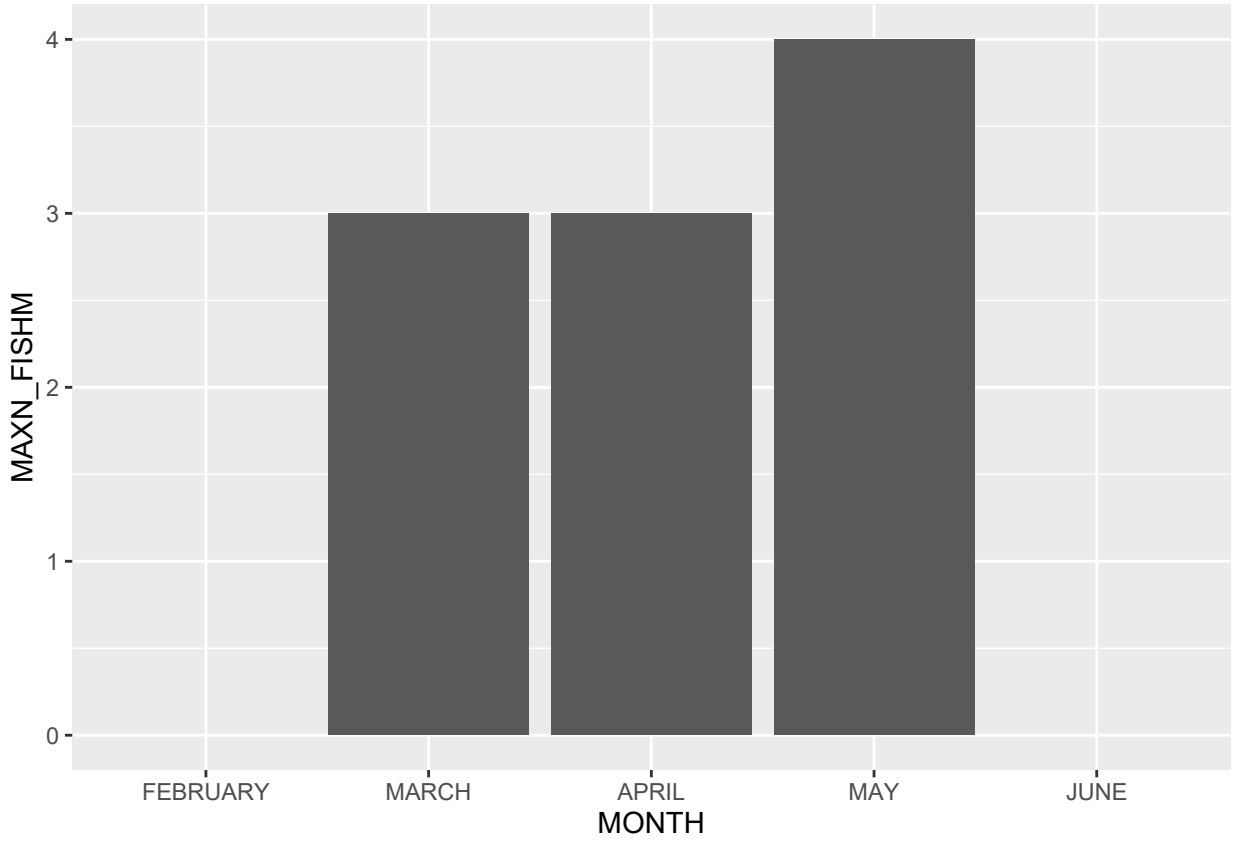
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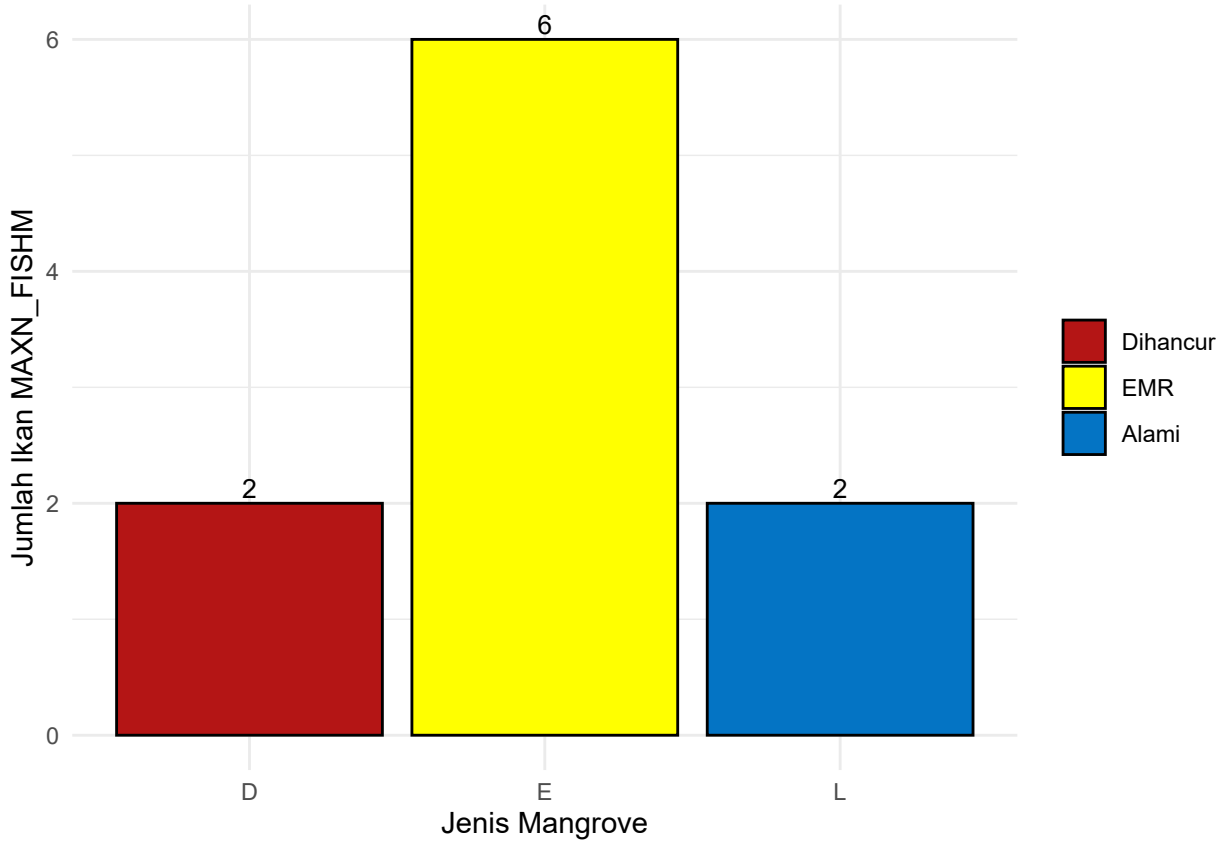
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Jenis Mangrove
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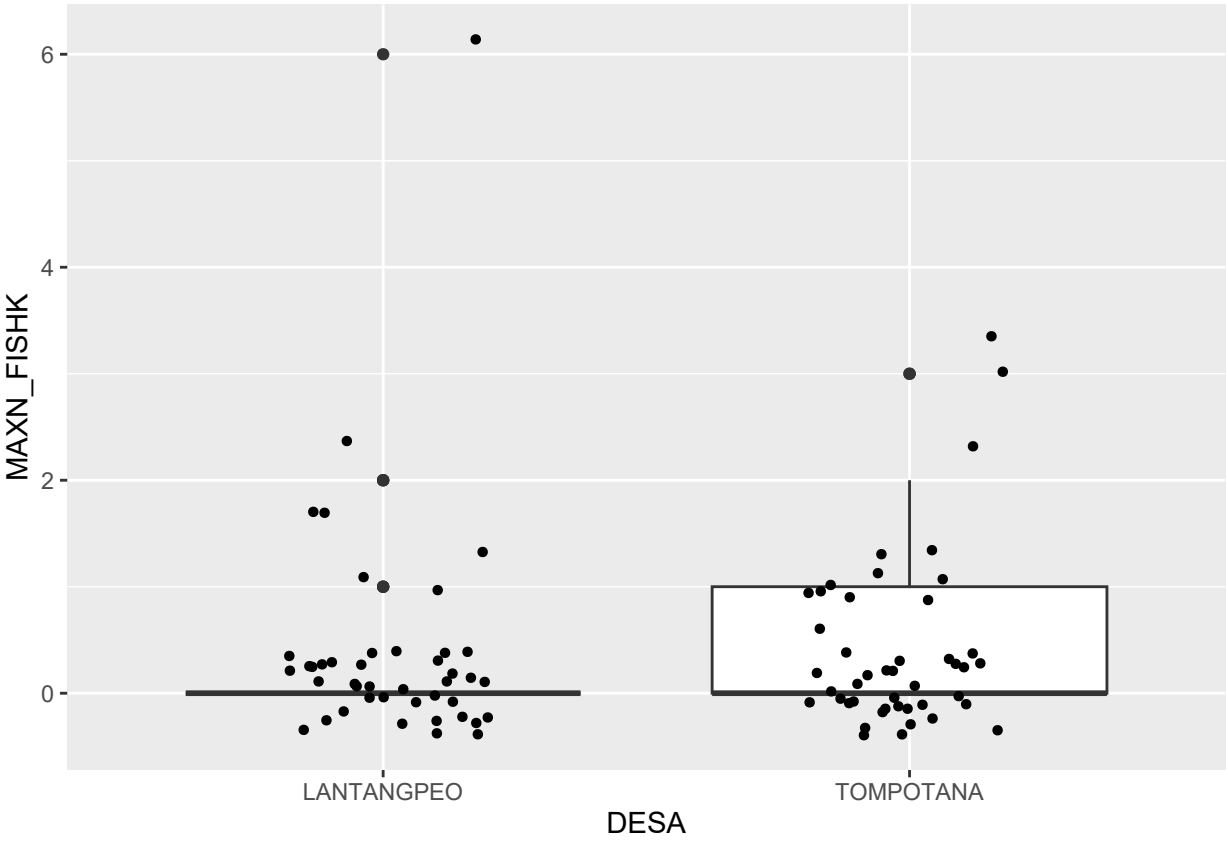
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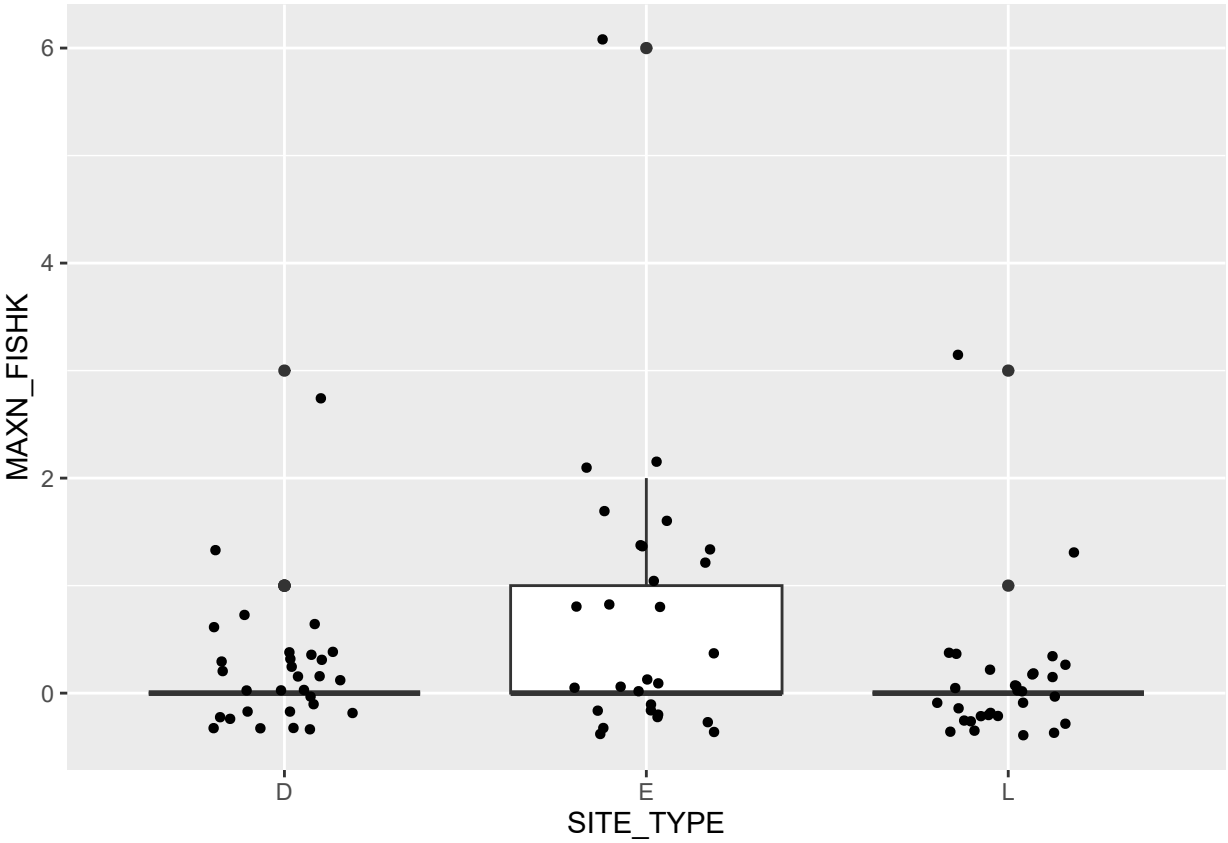
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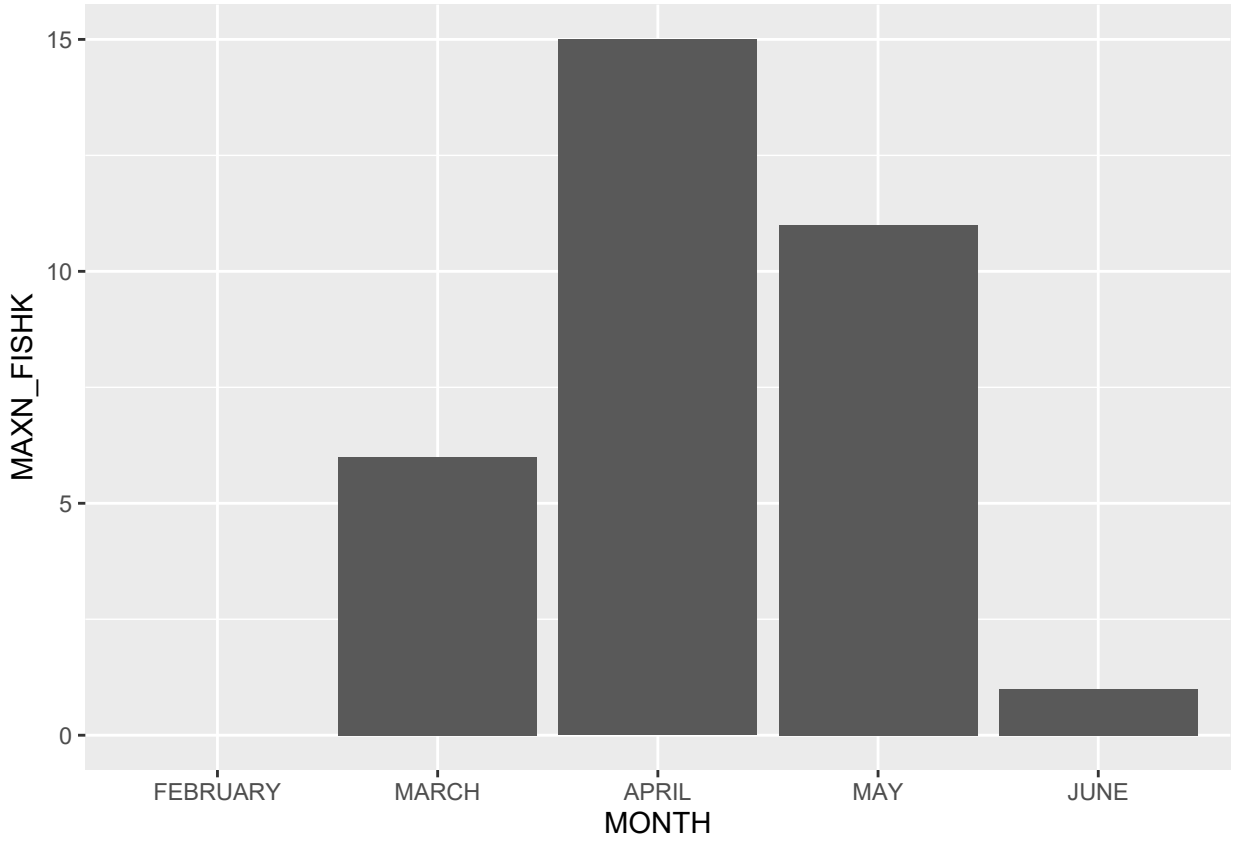
SITE_TYPE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MARCH
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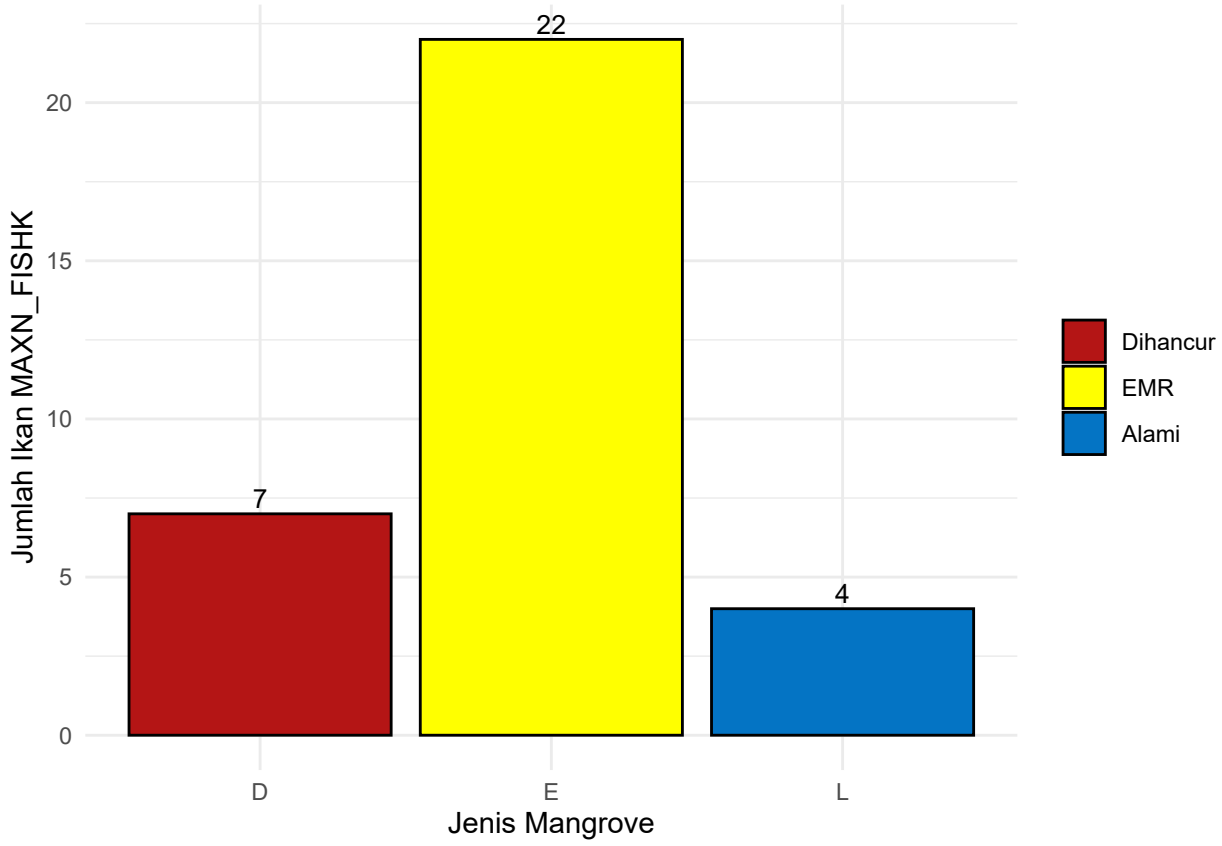
22
20
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4
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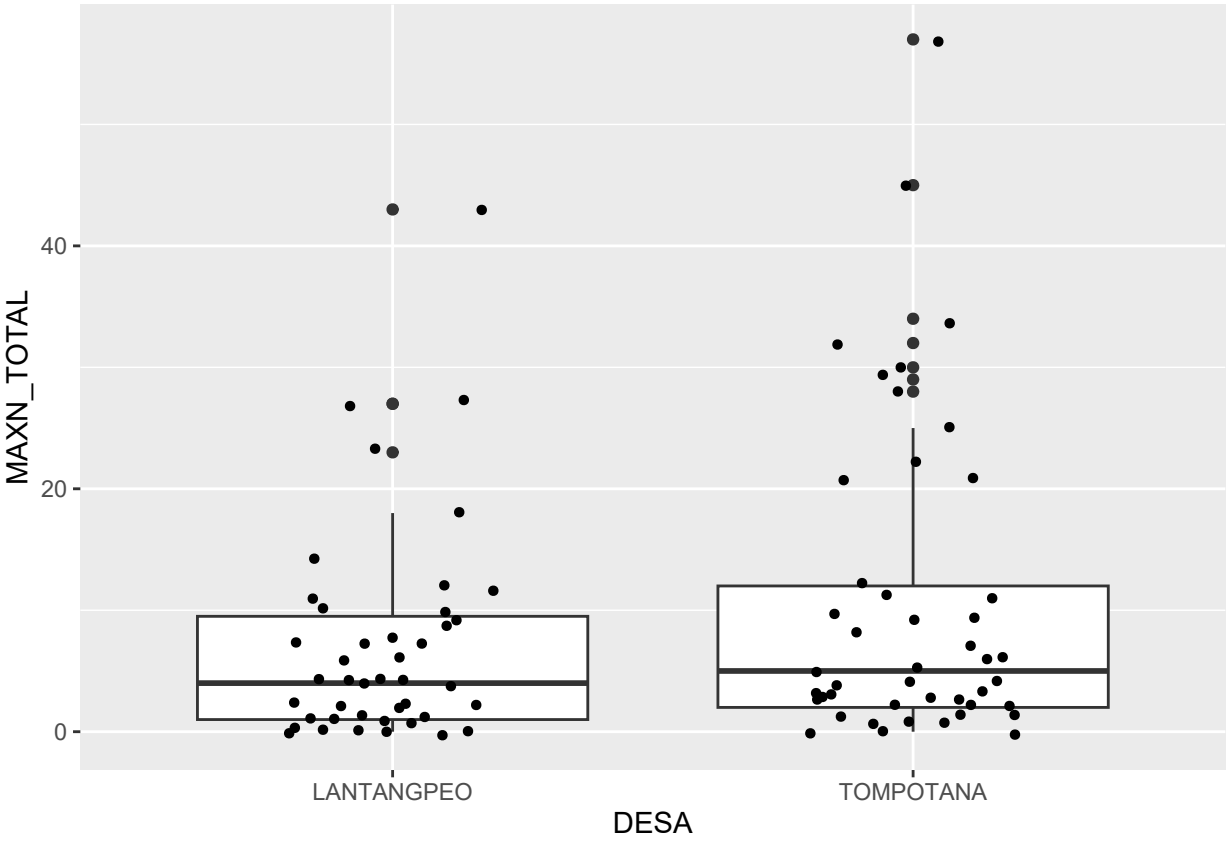
Jumlah Ikan MAXN_FISHK
D
E
L
Jenis Mangrove
Dihancur
EMR
Alami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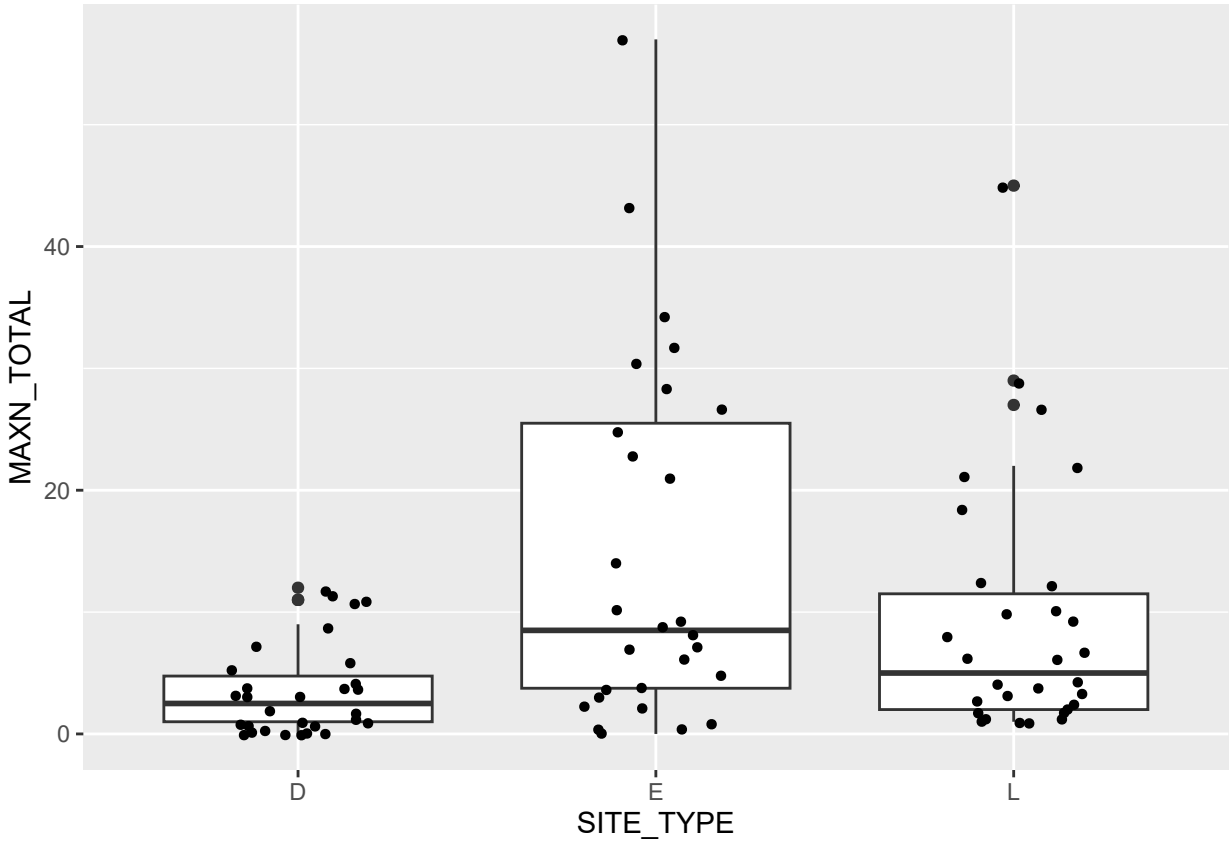
TOMPOTANA
DESA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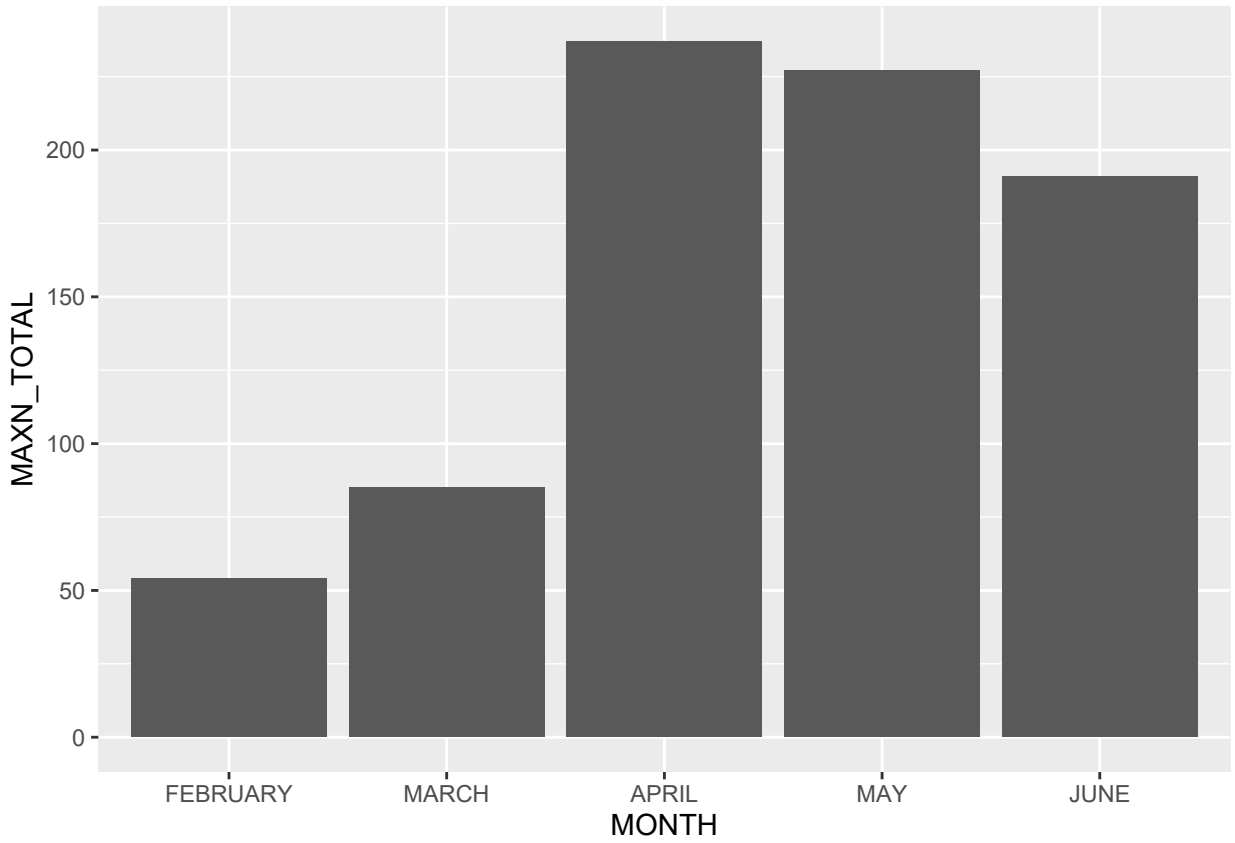
D
E
L
SITE_TYPE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100
50
0
FEBRUARY
MARCH
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MAY
JUNE
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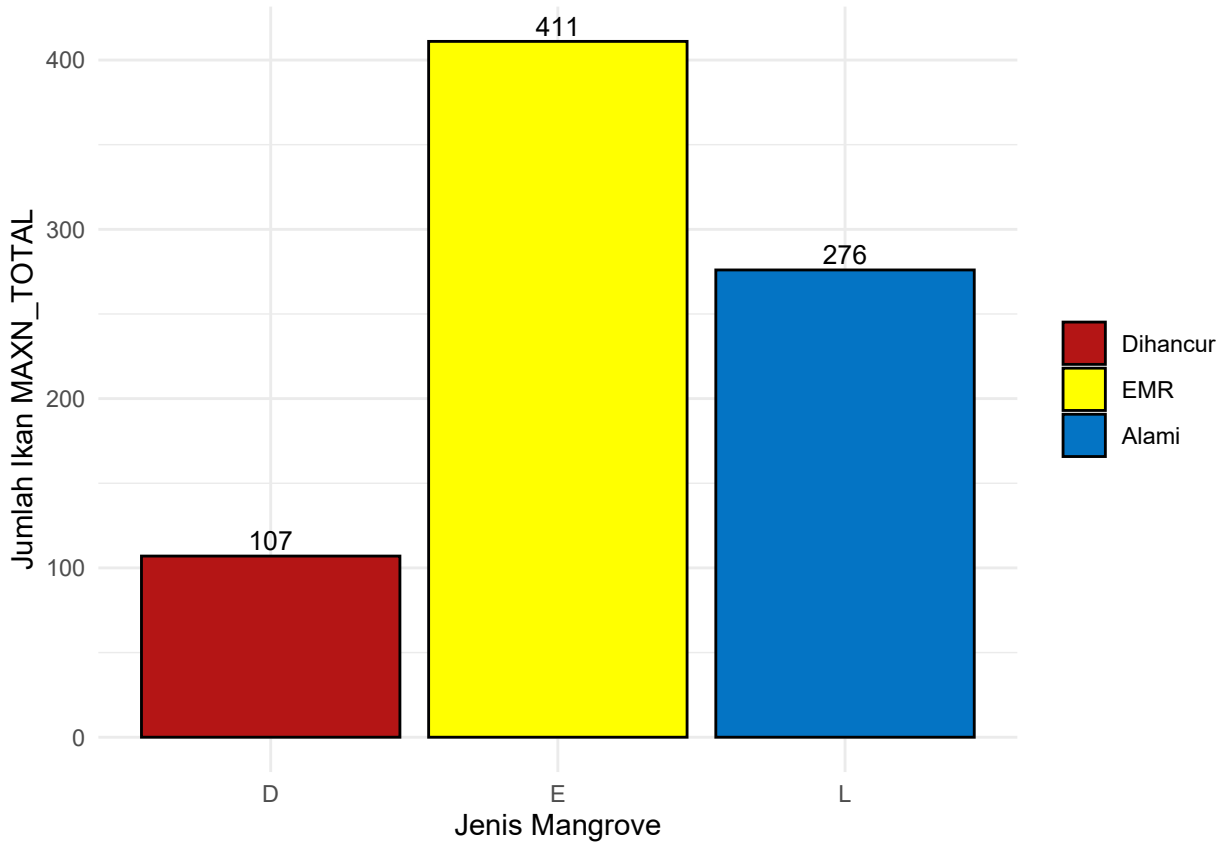
411
276
107
400
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200
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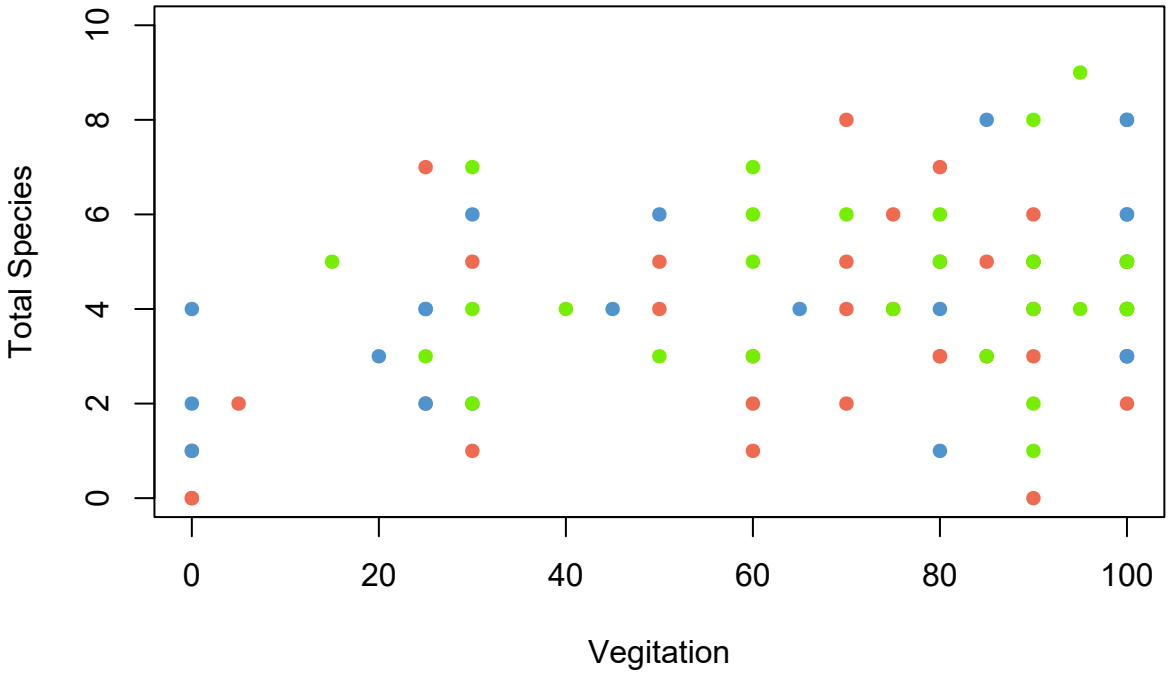
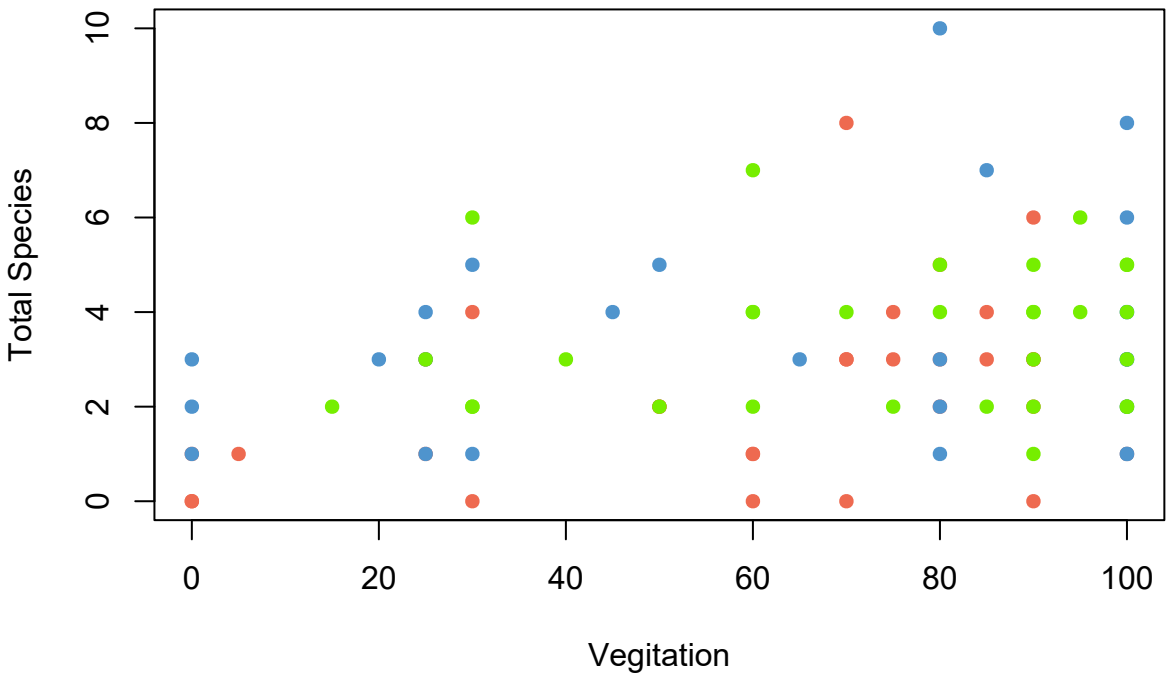
Jumlah Ikan MAXN_TOTAL
D
E
L
Jenis Mangrove
Dihancur
EMR
Alami

QUALITY CHECKS

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10
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20
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60
80
100
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