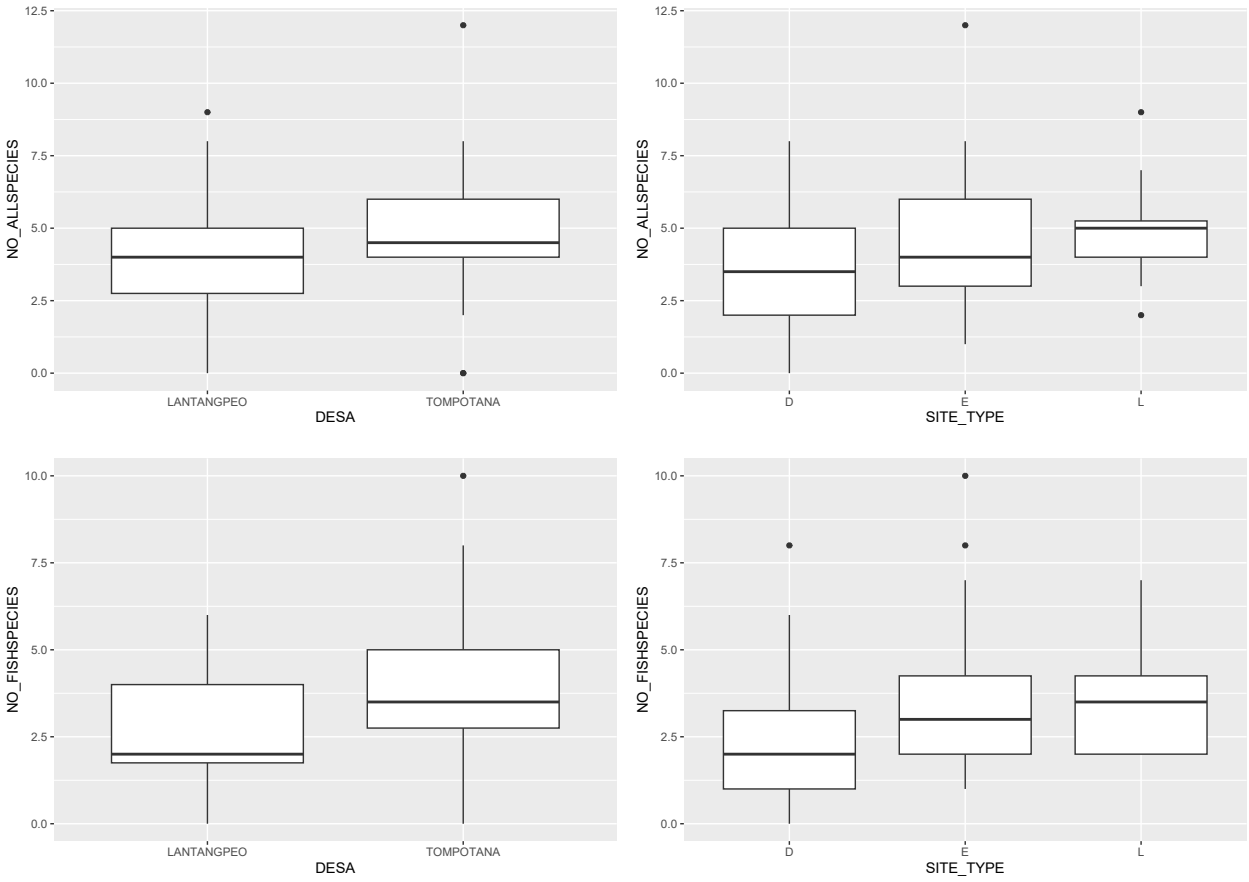
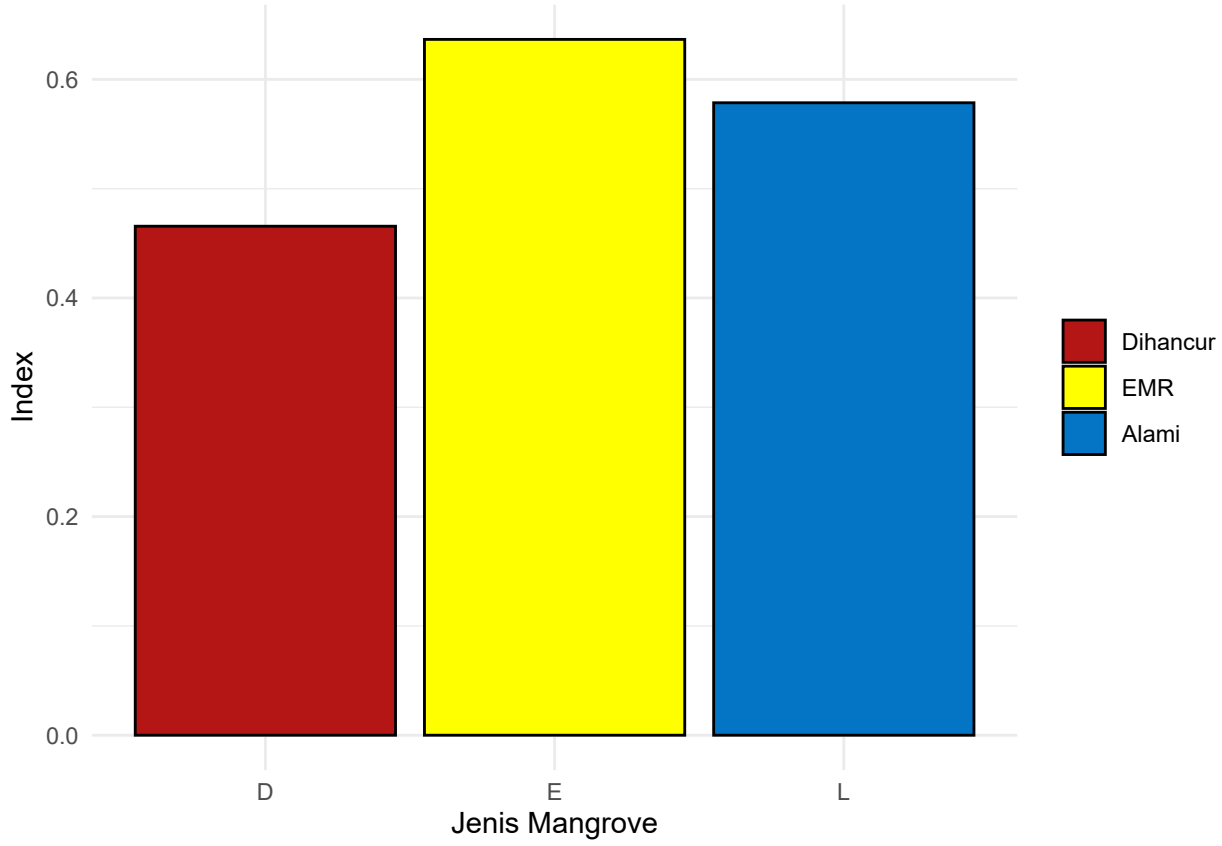
DataViz_practice

Sophie Wulfing

2024-10-02

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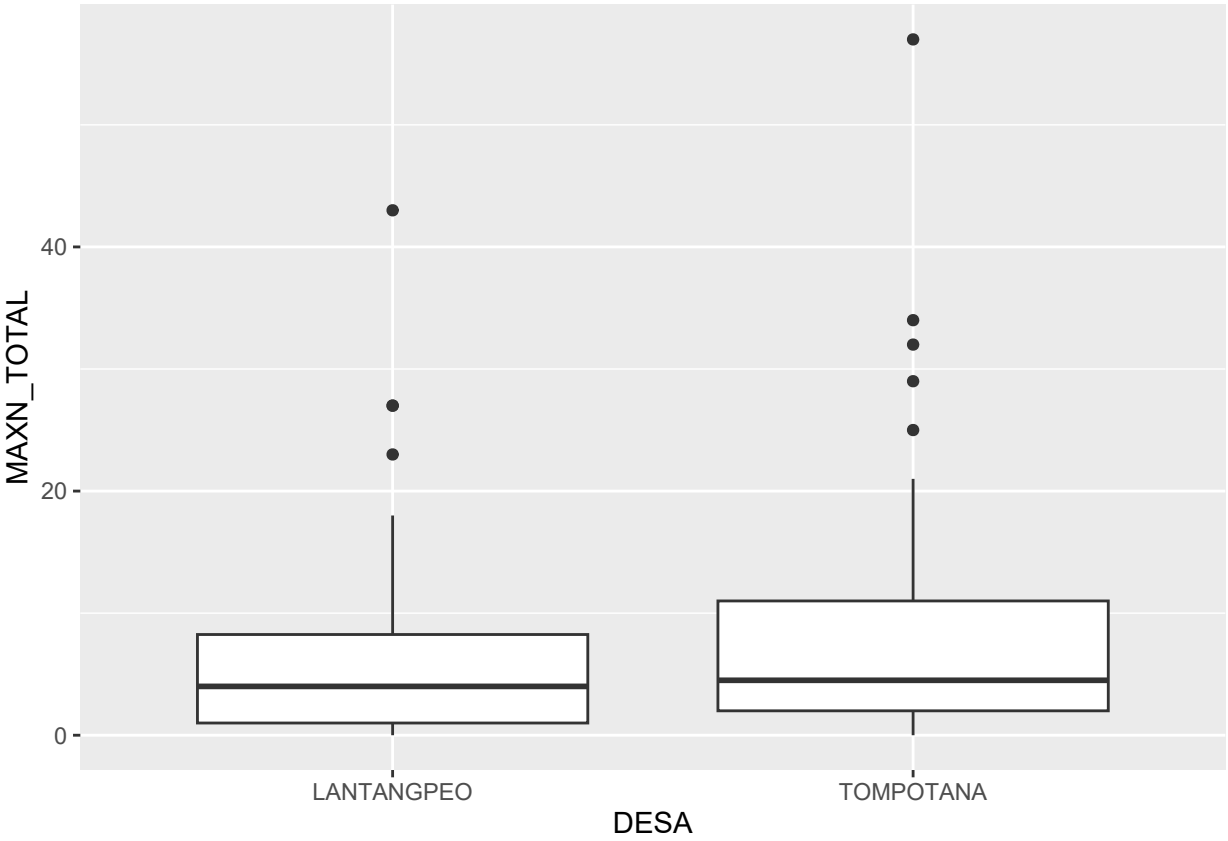
0.2
0.0
Index
D
E
L
Jenis Mangrove
Dihancur
EMR
Alami


MAXN_TOTAL
40
20
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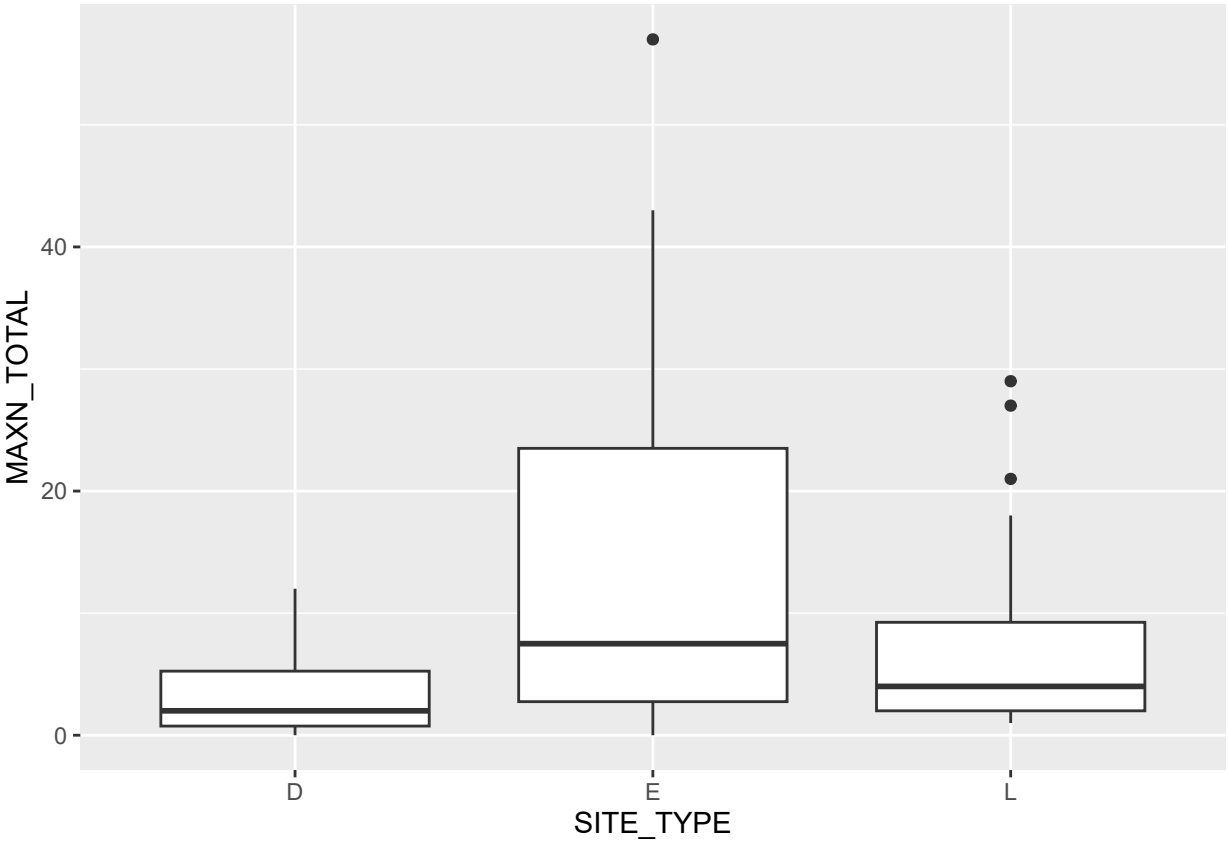
LANTANGPEO
TOMPOTANA
DESA


MAXN_TOTAL
40
20
0
D
E
L
SITE_TYPE

ANOVAS AND STATS

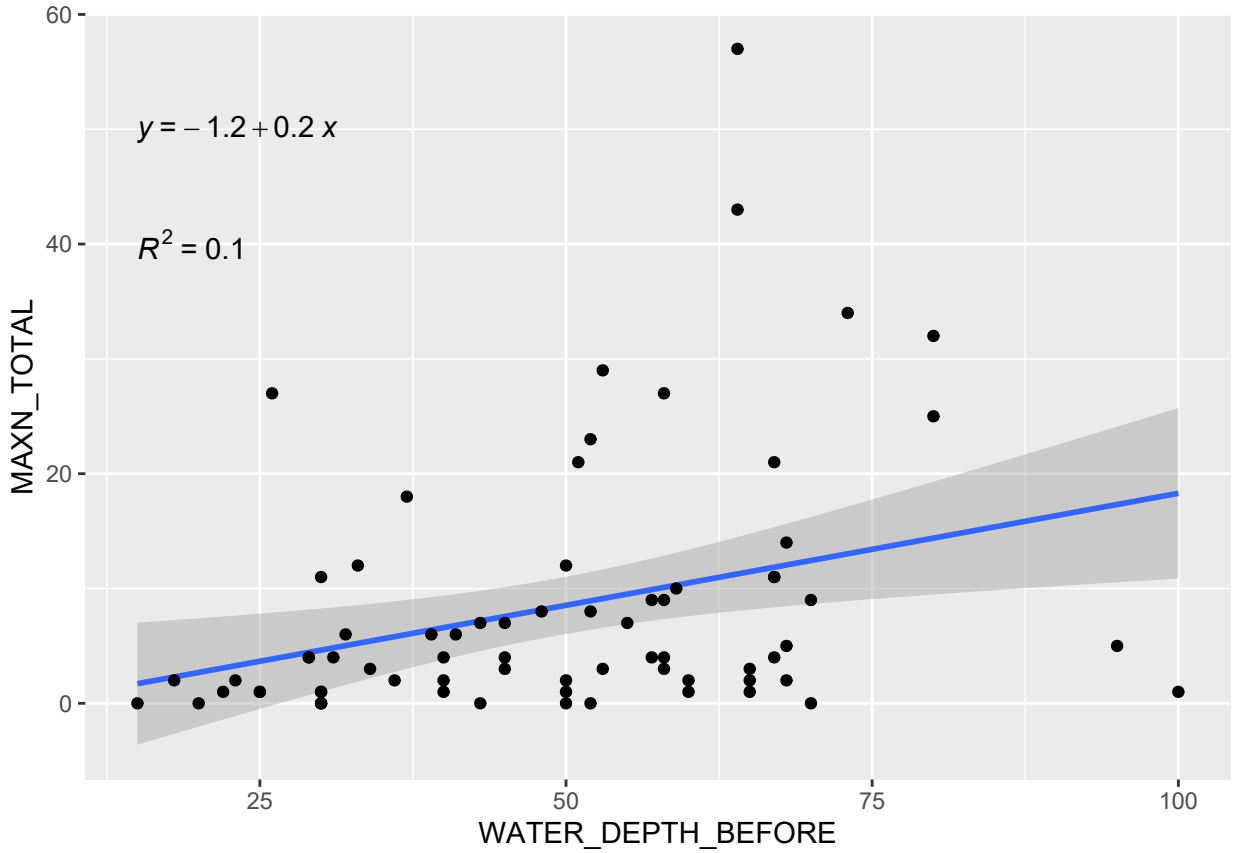
```
##             Df Sum Sq Mean Sq F value  Pr(>F)
## SITE_TYPE    2   1332   666.2   6.218 0.00329 **
## Residuals   69   7393   107.1
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

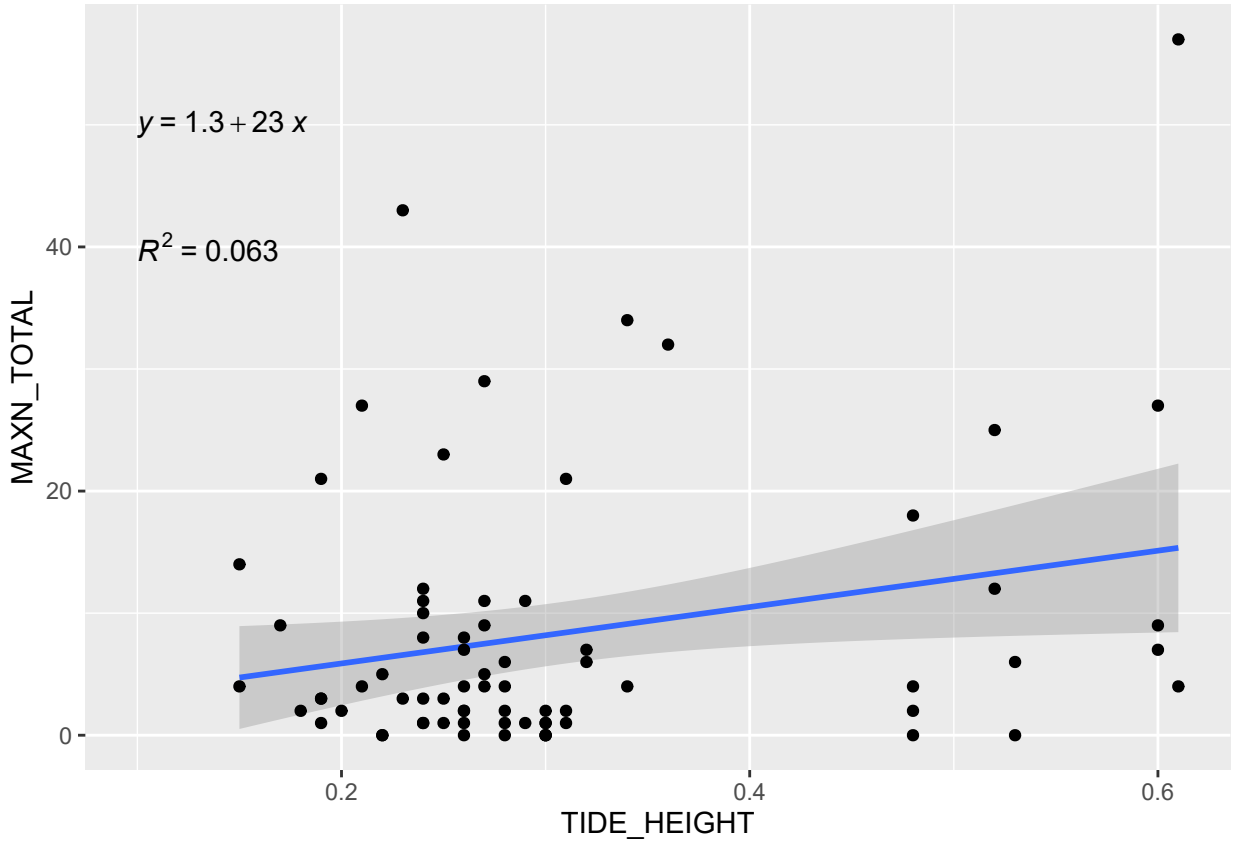
```
##             Df Sum Sq Mean Sq F value Pr(>F)
## DESA         1    125   125.3    1.02  0.316
## Residuals   70   8600   122.8
```

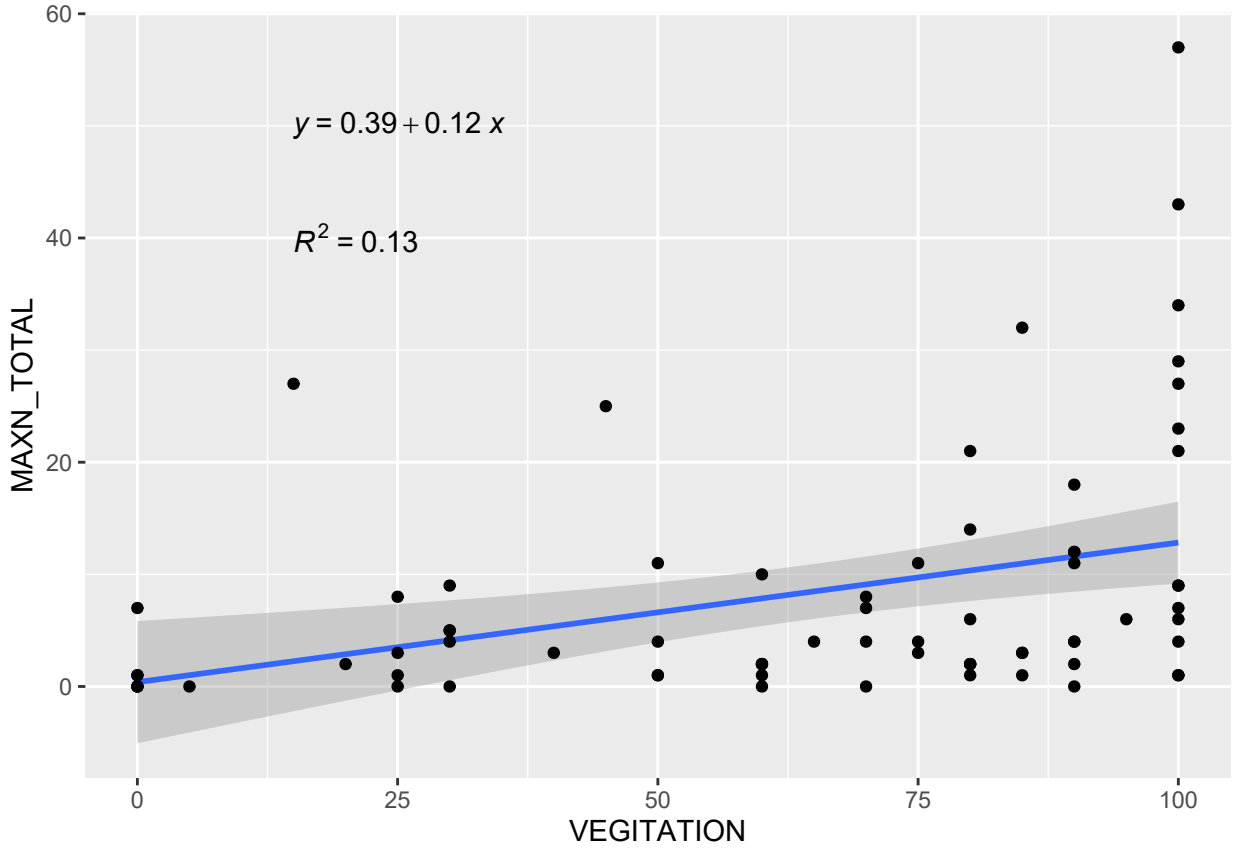
```
##             Df Sum Sq Mean Sq F value  Pr(>F)
## SITE_TYPE    2  0.363  0.1813   0.662 0.51935
## DESA         1  2.116  2.1156   7.719 0.00706 **
## Residuals   68 18.638  0.2741
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

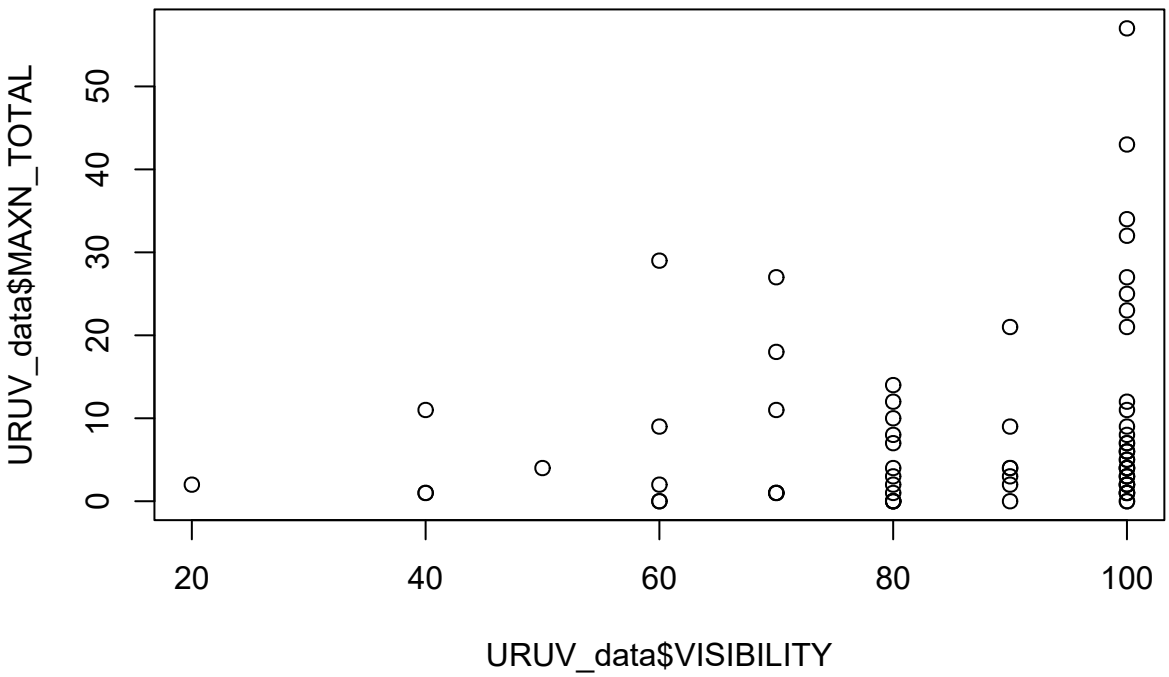
```
##                Df Sum Sq Mean Sq F value  Pr(>F)
## SITE_TYPE       2  0.363  0.1813   0.645 0.52792
## DESA            1  2.116  2.1156   7.526 0.00782 **
## SITE_TYPE:DESA  2  0.086  0.0428   0.152 0.85920
## Residuals      66 18.553  0.2811
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

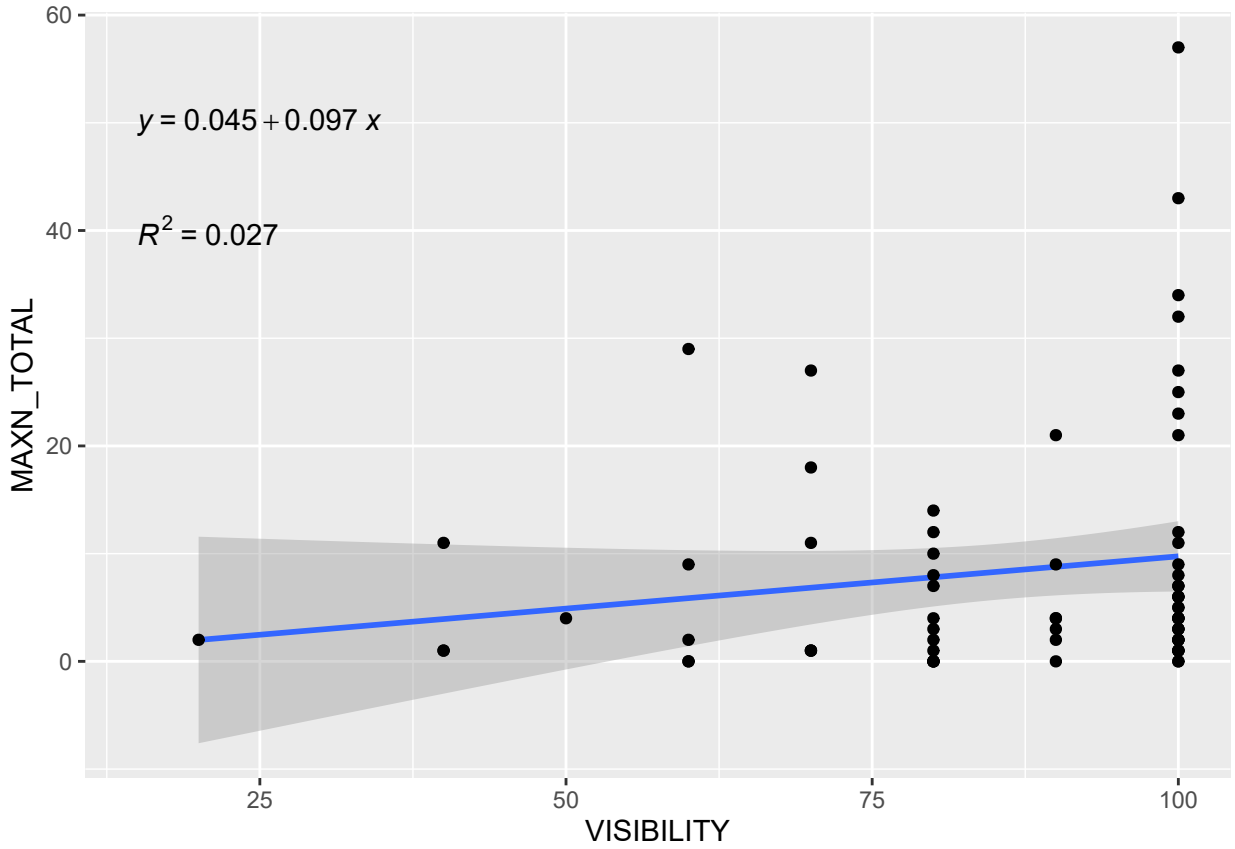
STATS


y = – 1.2 + 0.2 x
R2 = 0.1
MAXN_TOTAL
WATER_DEPTH_BEFORE
60
40
20
0
25
50
75
100

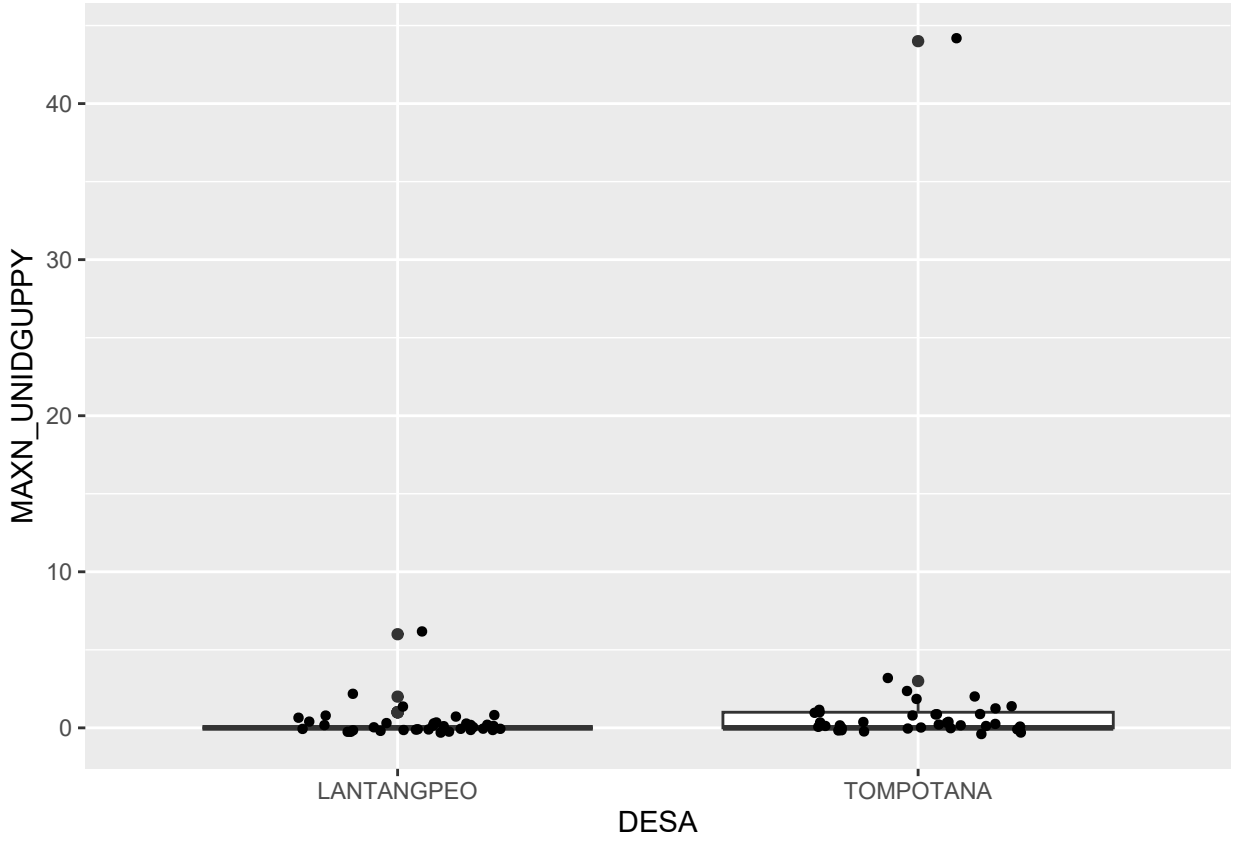

y = 1.3 + 23 x
R2 = 0.063
MAXN_TOTAL
40
20
0
0.2
0.4
0.6
TIDE_HEIGHT

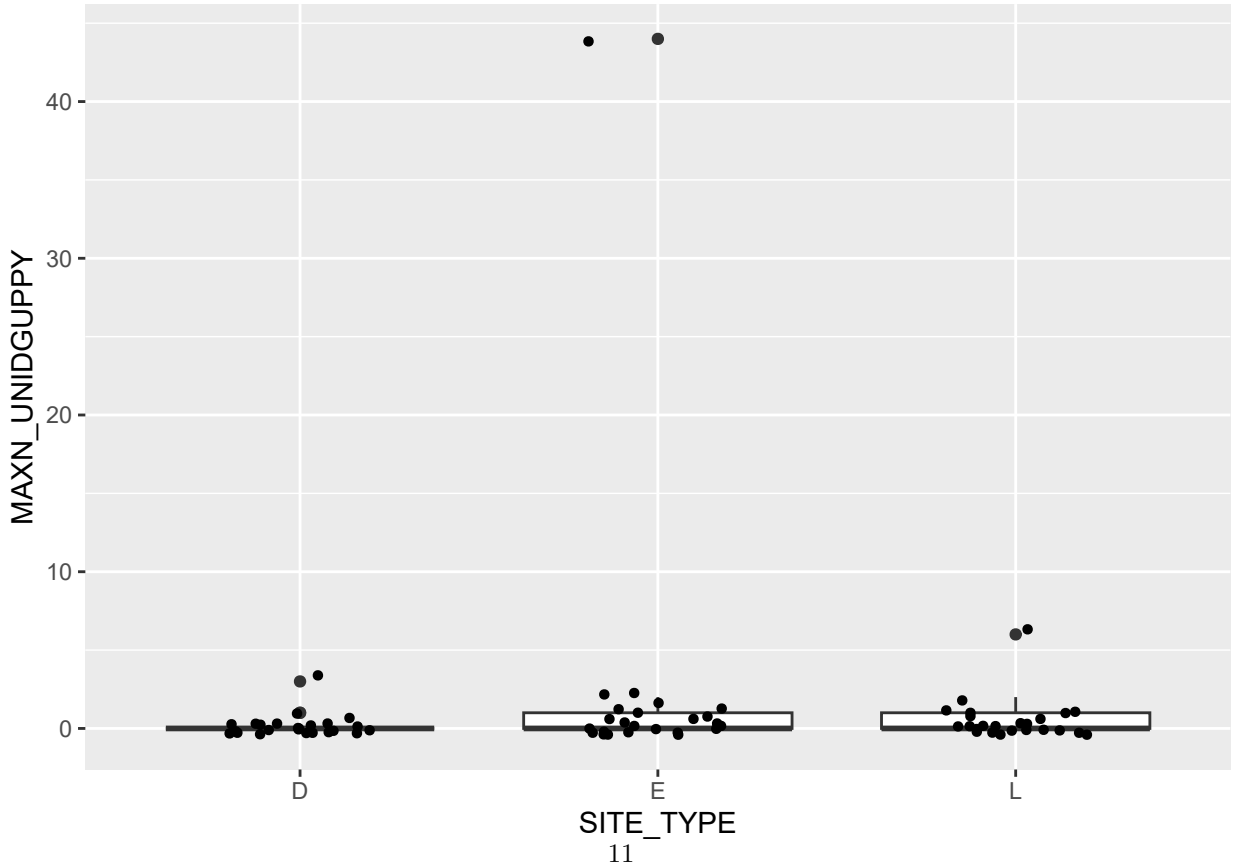

y = 0.39 + 0.12 x
R2 = 0.13
MAXN_TOTAL
VEGITATION
60
40
20
0
0
25
50
75
100

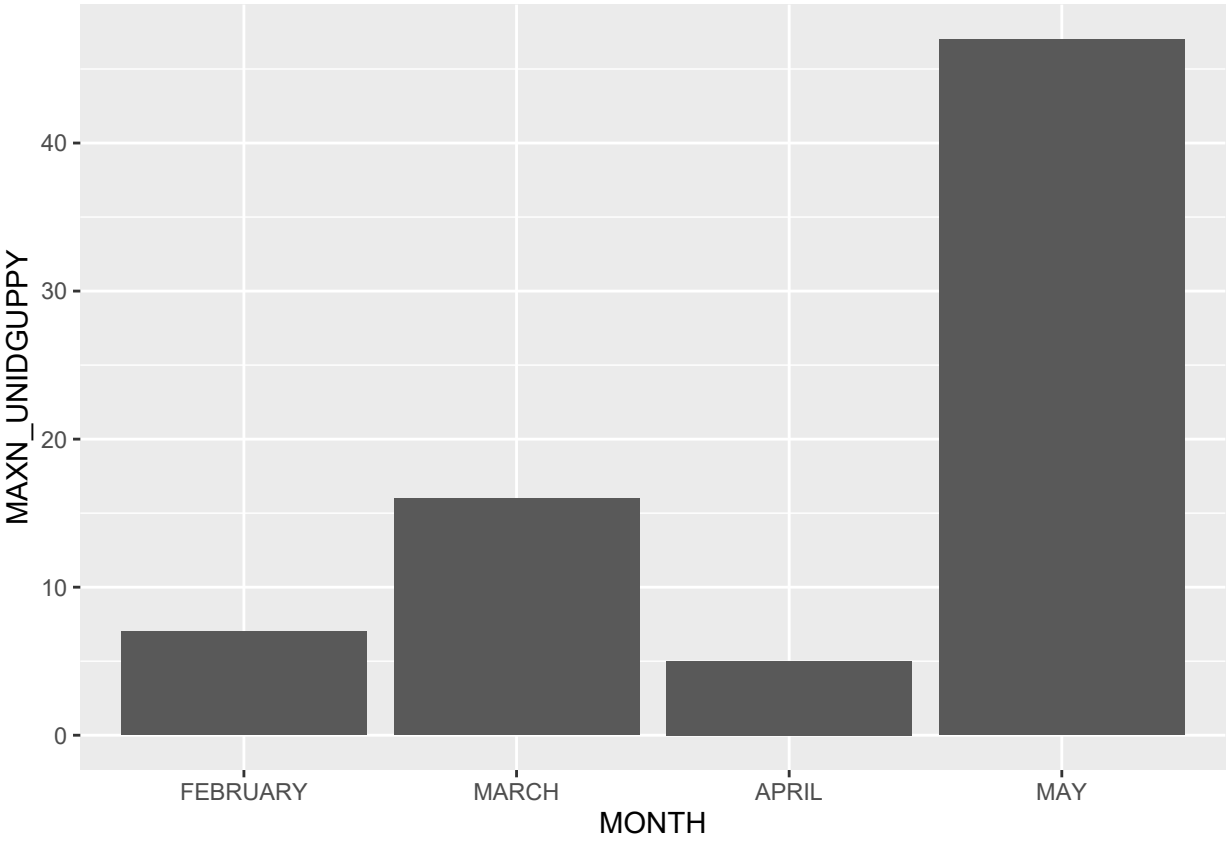

URUV_data$MAXN_TOTAL
0
10
20
30
40
50
20
40
60
80
100
URUV_data$VISIBILITY


y = 0.045 + 0.097 x
R2 = 0.027
MAXN_TOTAL
VISIBILITY
60
40
20
0
25
50
75
100

INDIVIDUAL SPECIES



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30
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10
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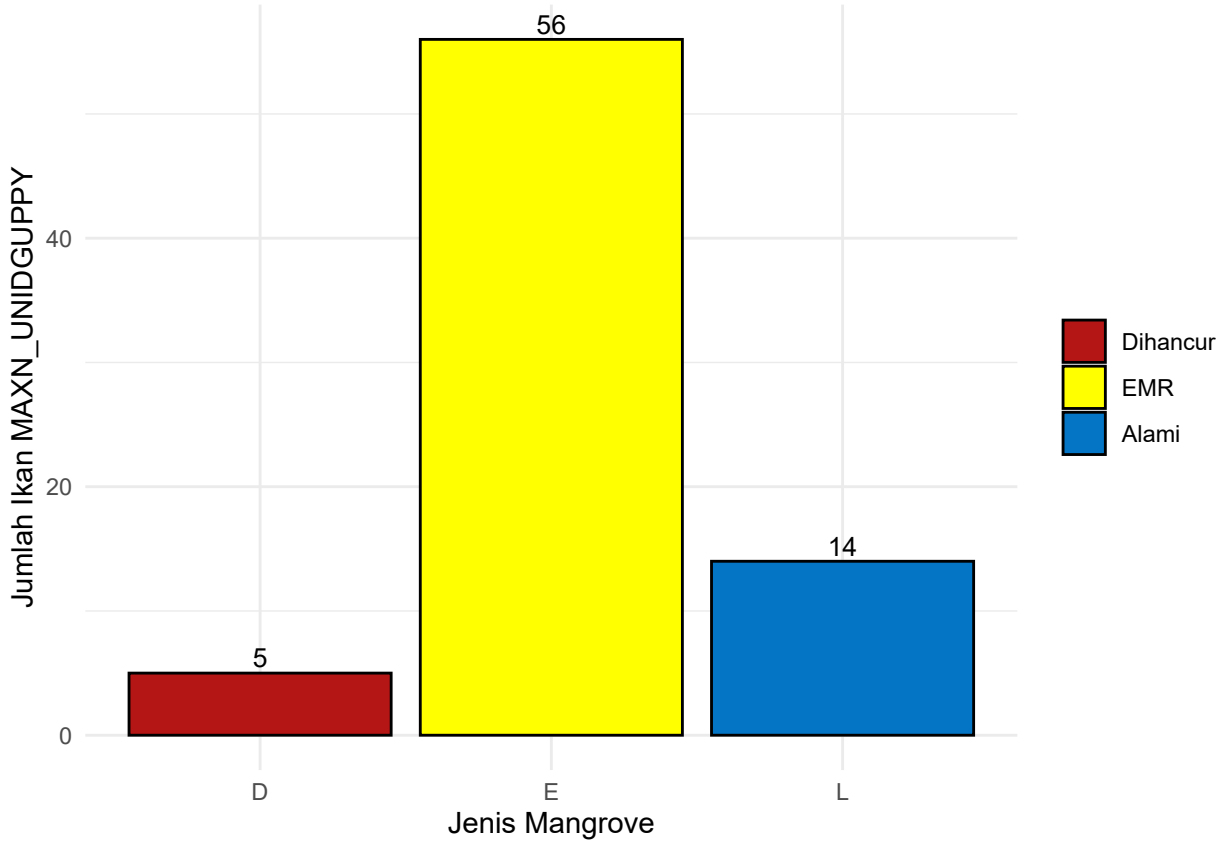
FEBRUARY
MARCH
APRIL
MAY
MONTH


56
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20
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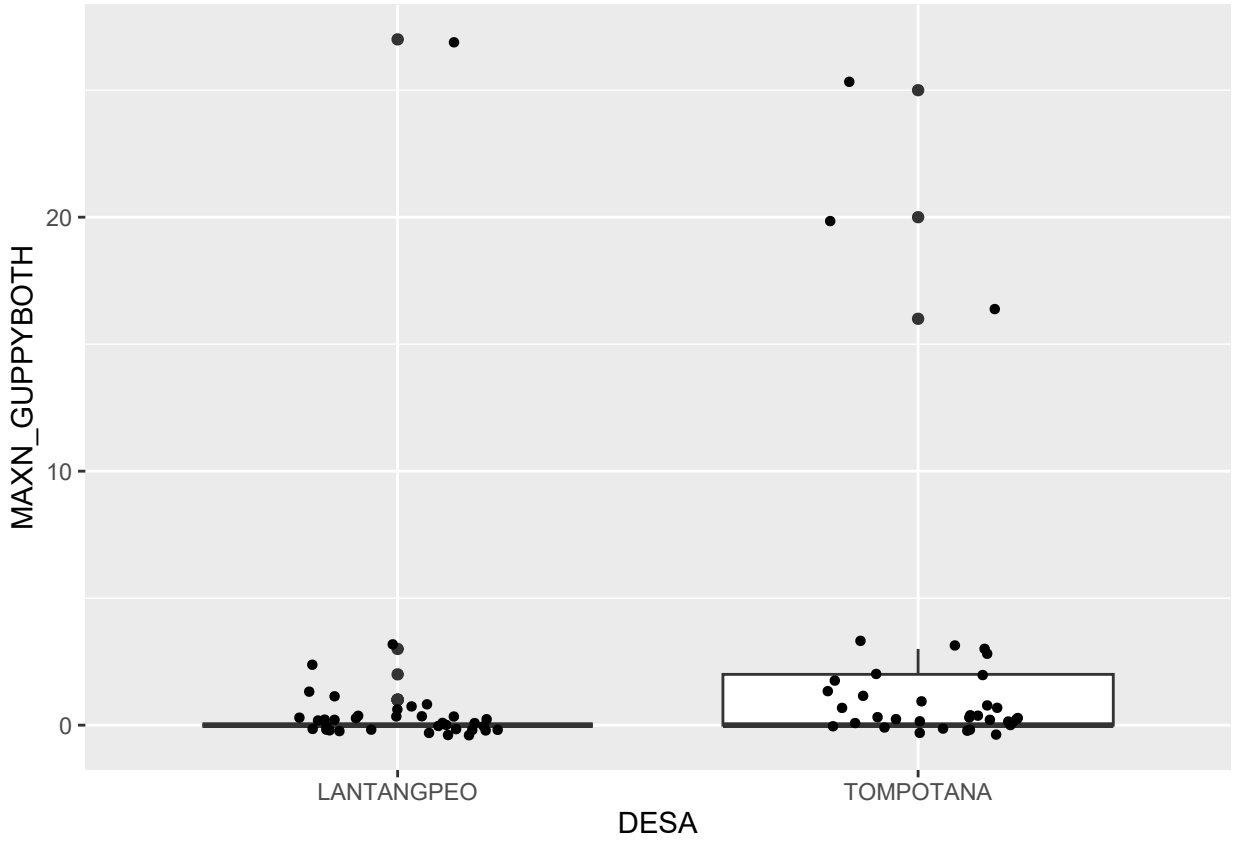
5
14
Jumlah Ikan MAXN_UNIDGUPPY
D
E
L
Jenis Mangrove
Dihancur
EMR
Alami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10
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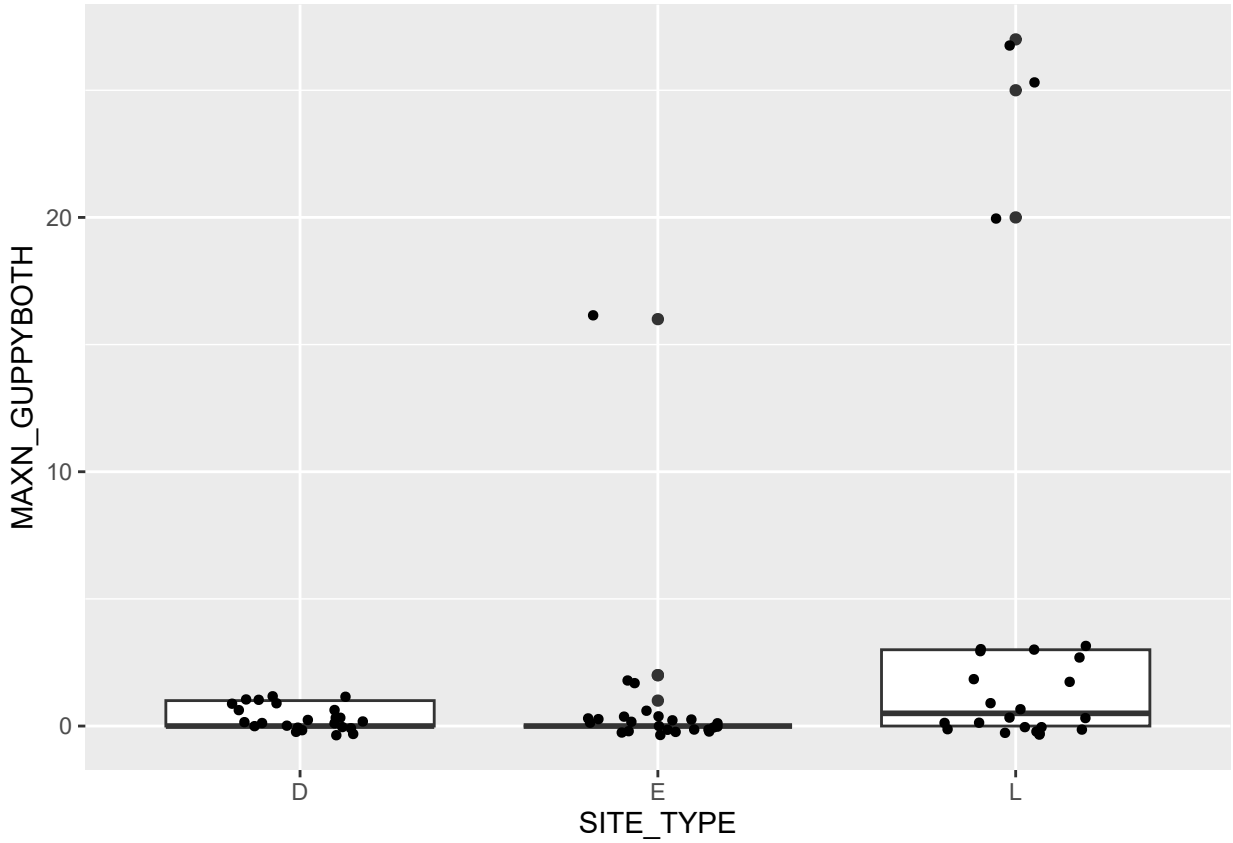
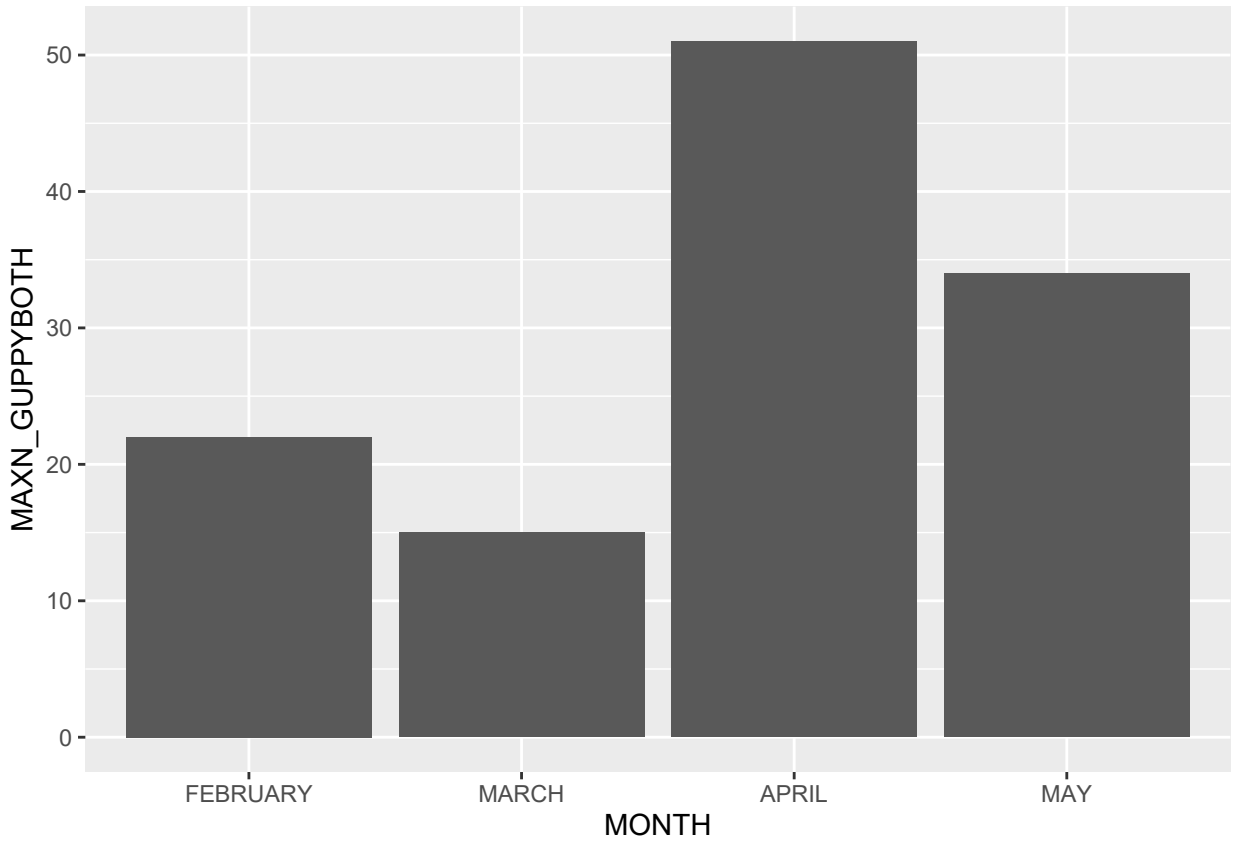
LANTANGPEO
TOMPOTANA
DESA


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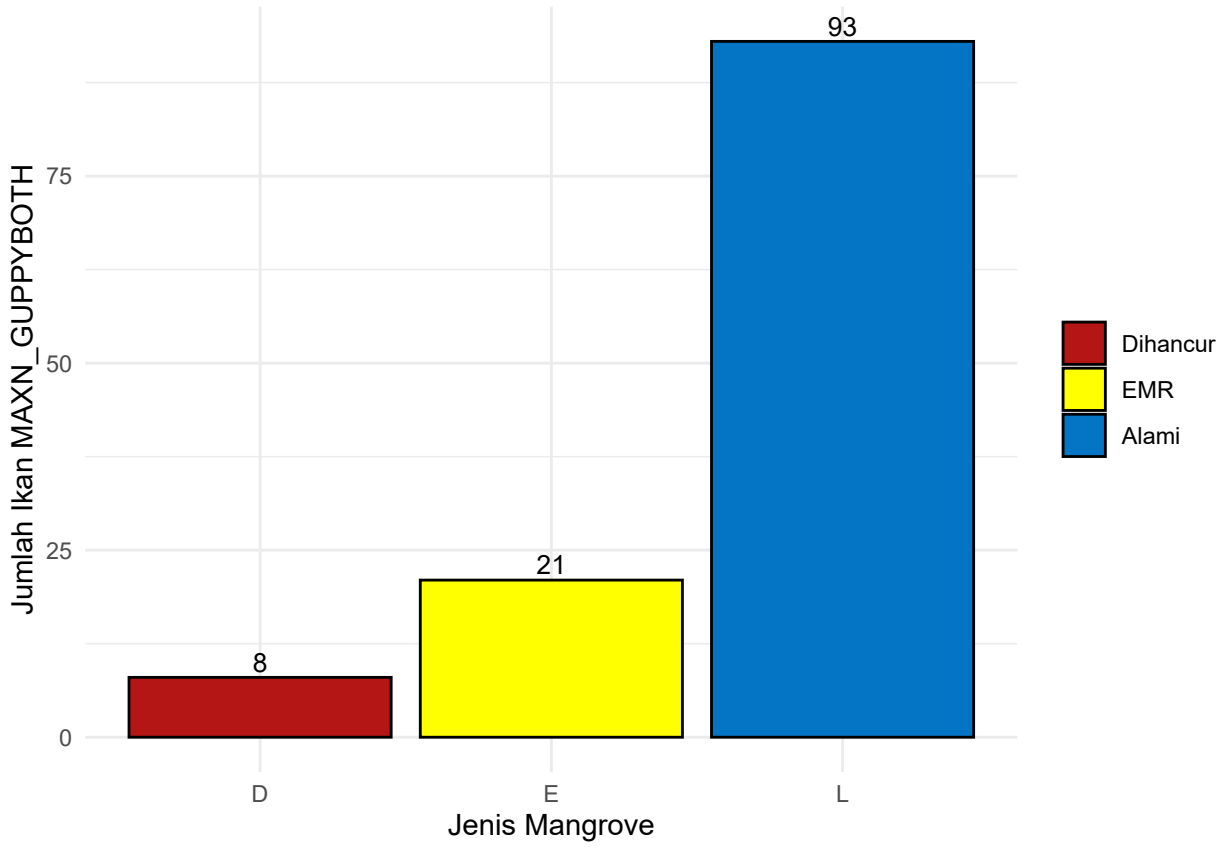
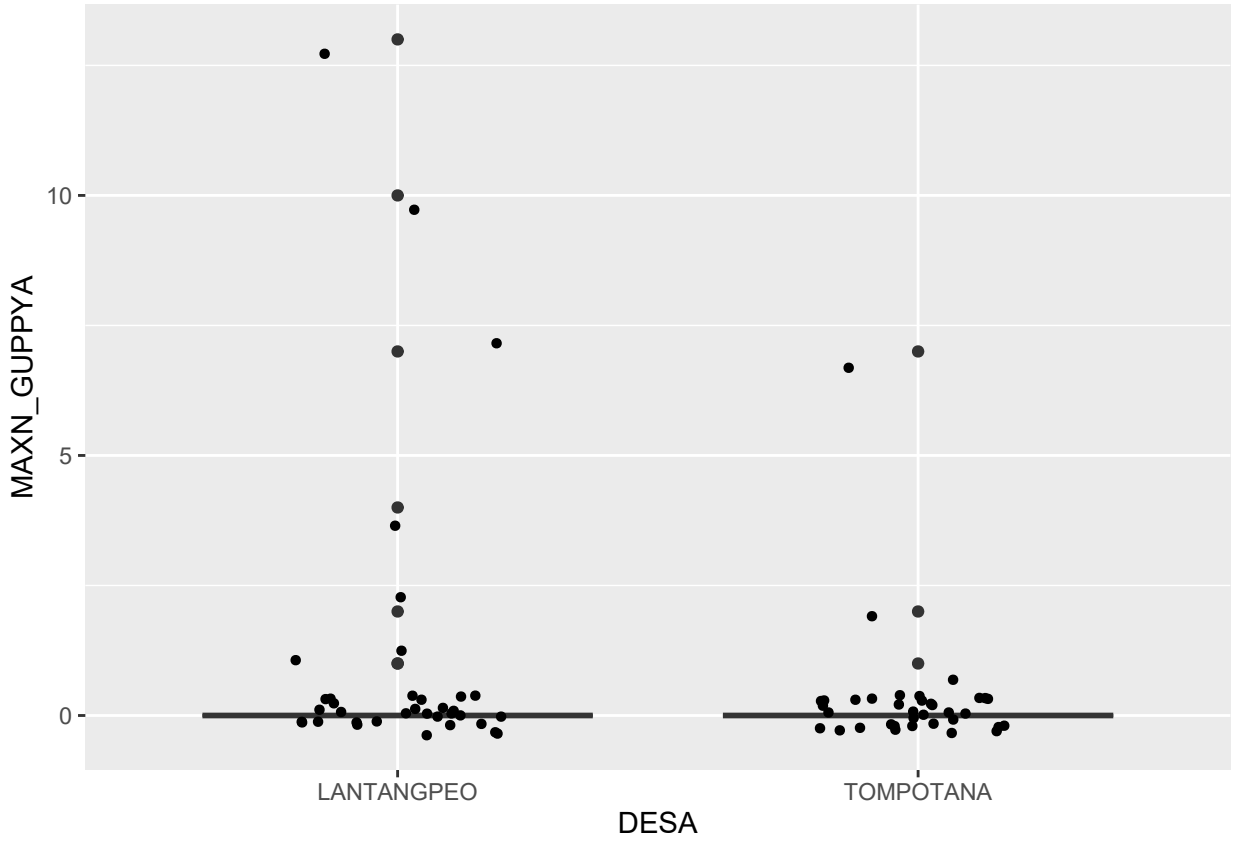
40
30
20
10
0
MAXN_GUPPYBOTH
FEBRUARY
MARCH
APRIL
MAY
MONTH


93
75
50
25
21
8
0
Jumlah Ikan MAXN_GUPPYBOTH
D
E
L
Jenis Mangrove
Dihancur
EMR
Alami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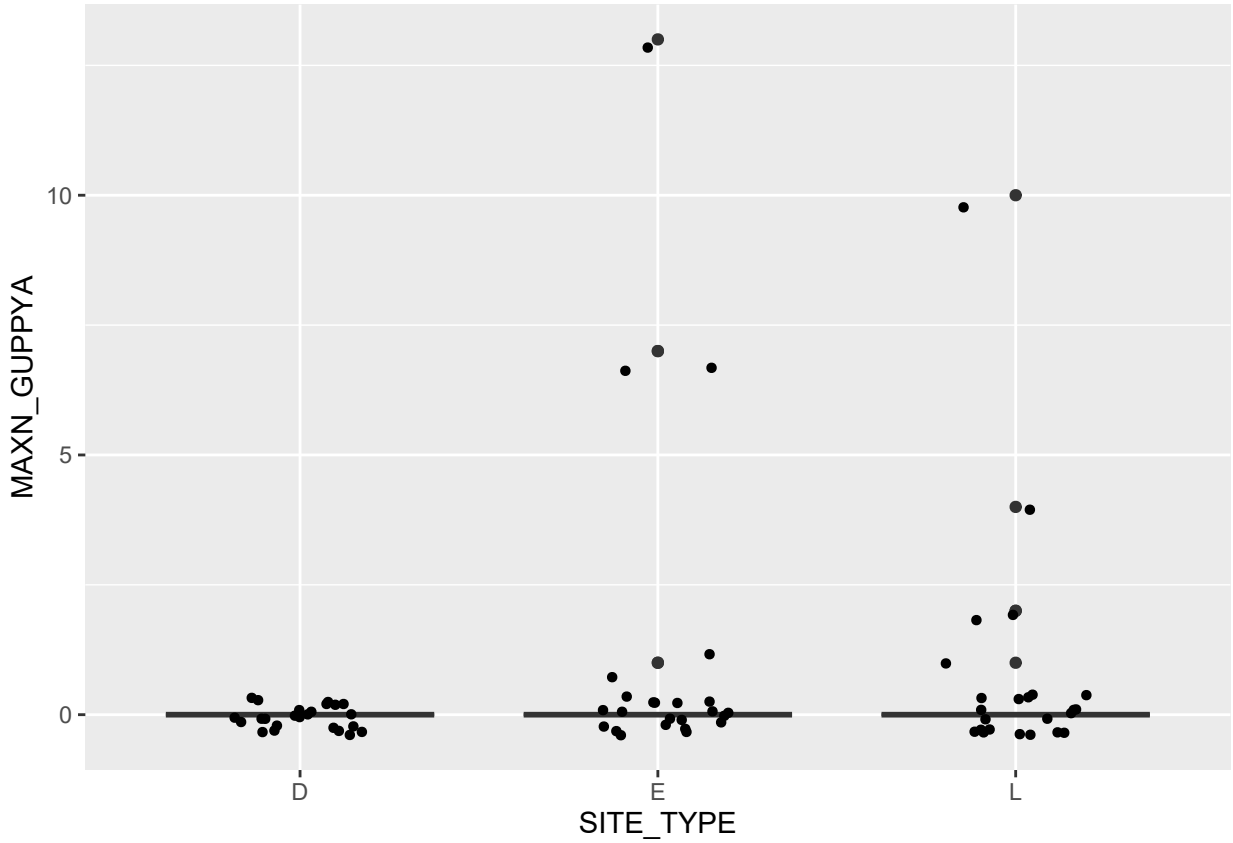
TOMPOTANA
DESA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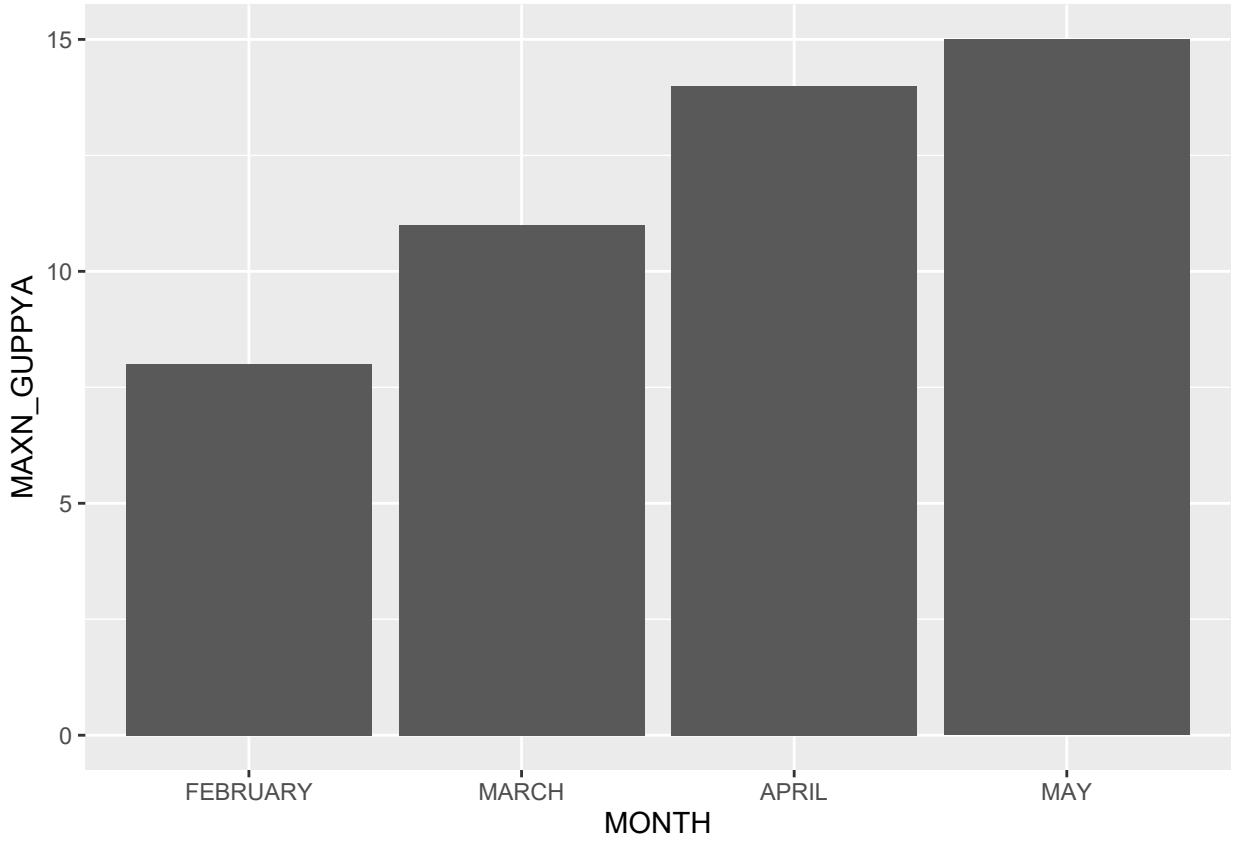
5
0
D
E
L
SITE_TYPE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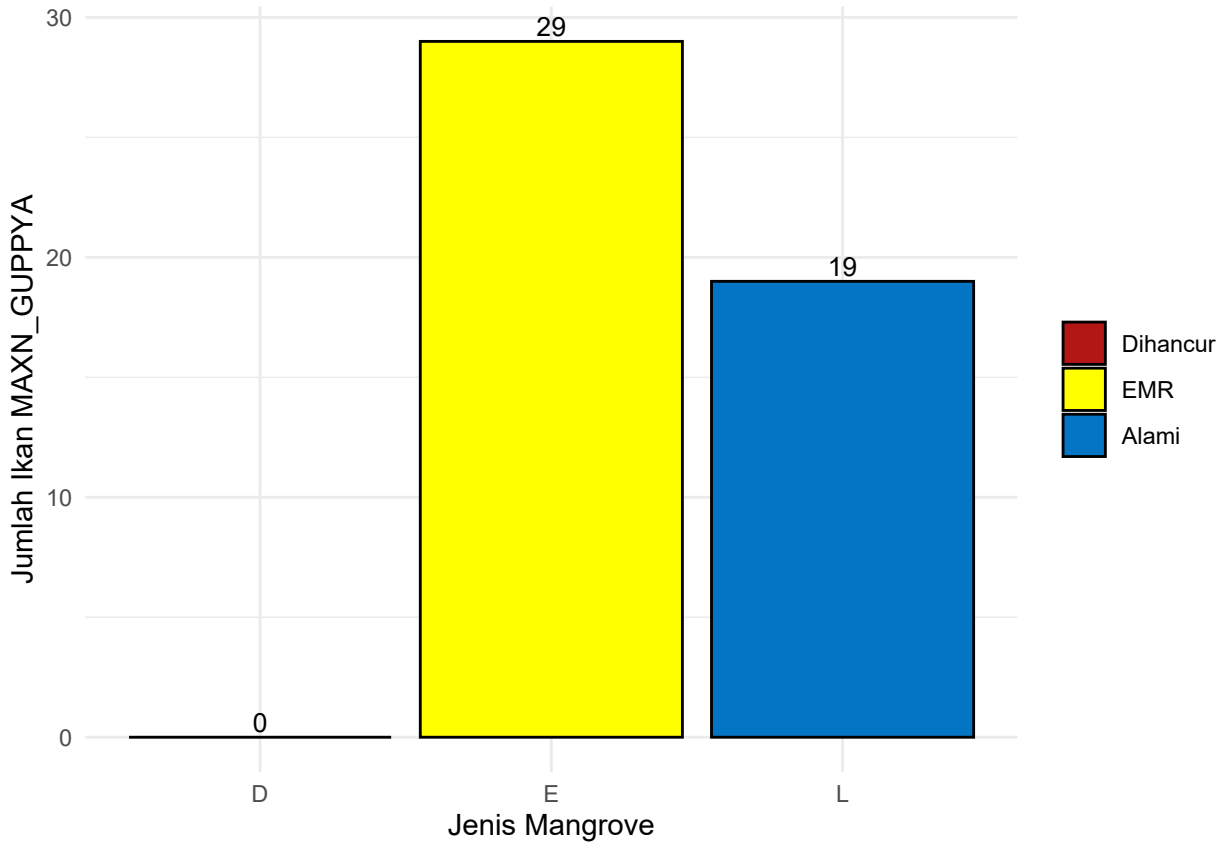
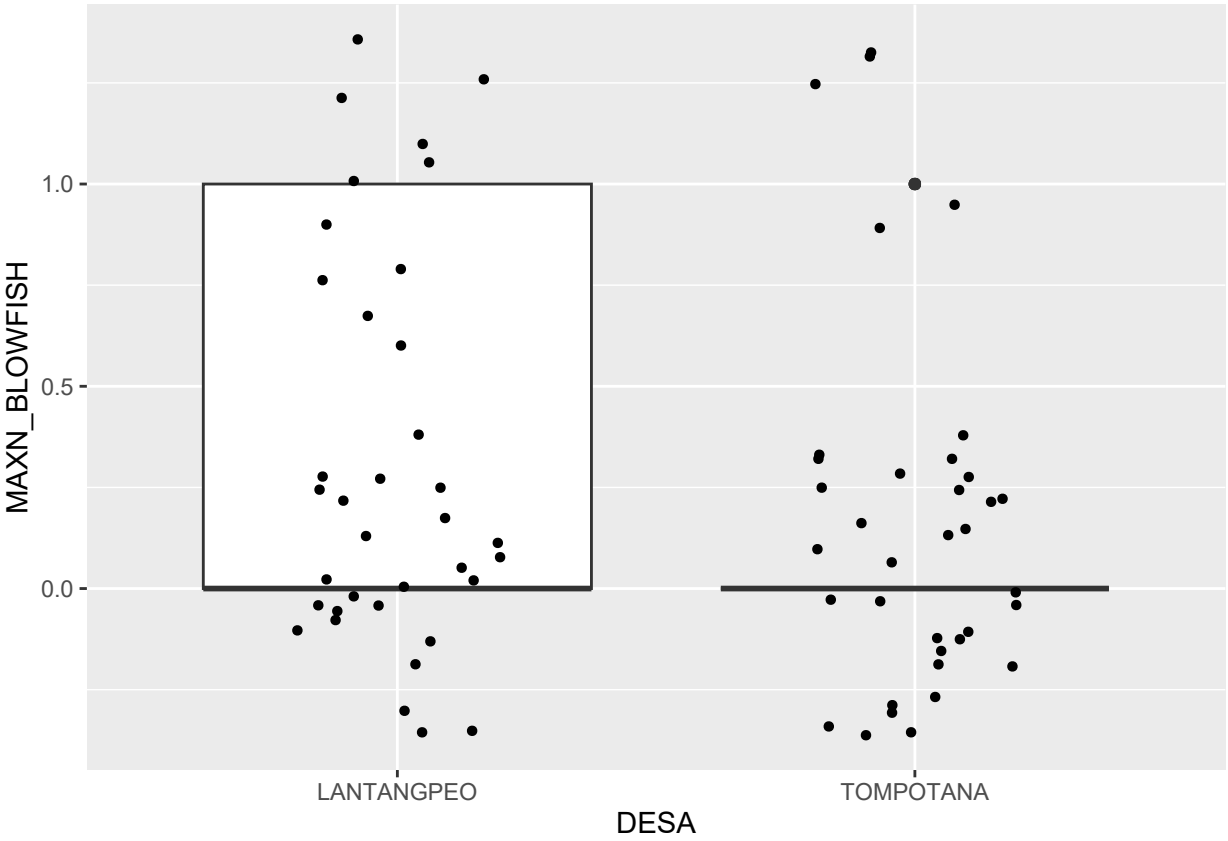
FEBRUARY
MARCH
APRIL
MAY
MONTH


30
20
10
0
Jumlah Ikan MAXN_GUPPYA
29
19
0
D
E
L
Jenis Mangrove
Dihancur
EMR
Alami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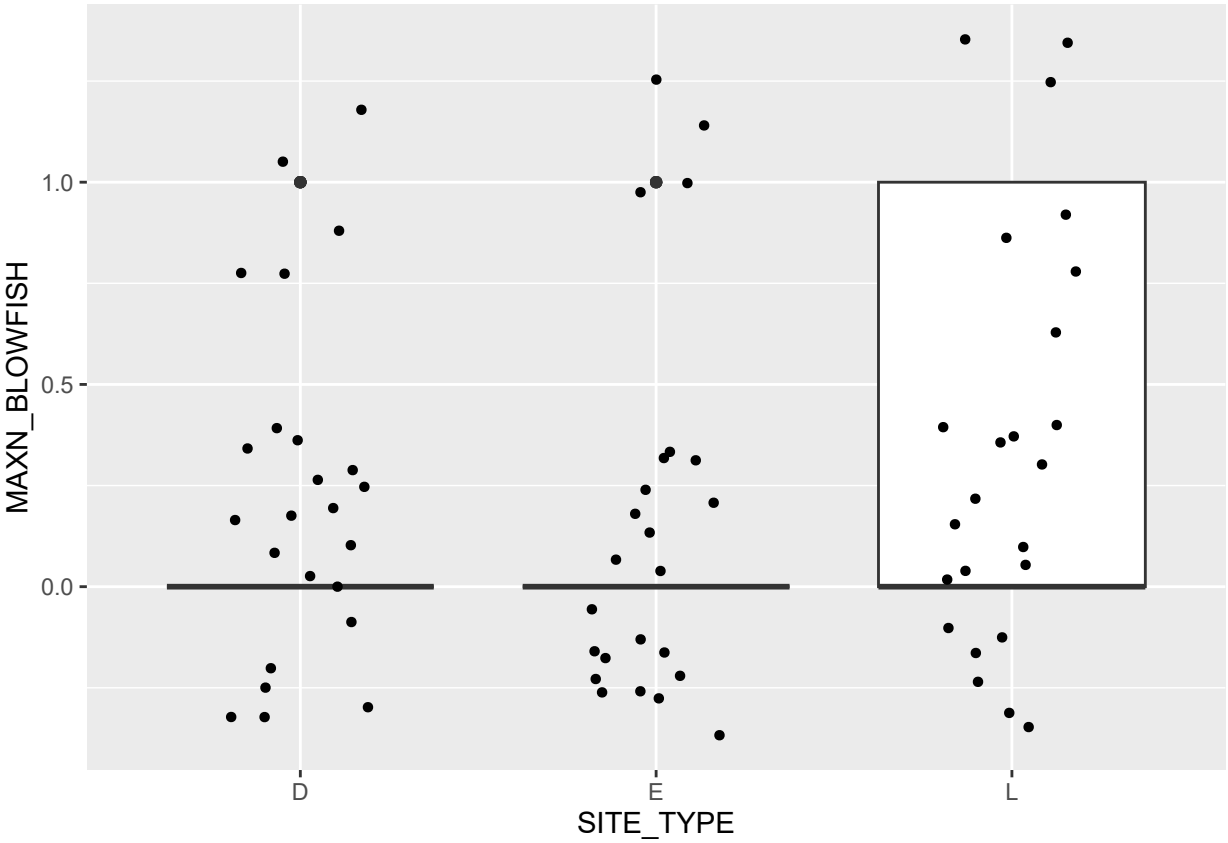
0.0
LANTANGPEO
TOMPOTANA
DESA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1.0
0.5
0.0
D
E
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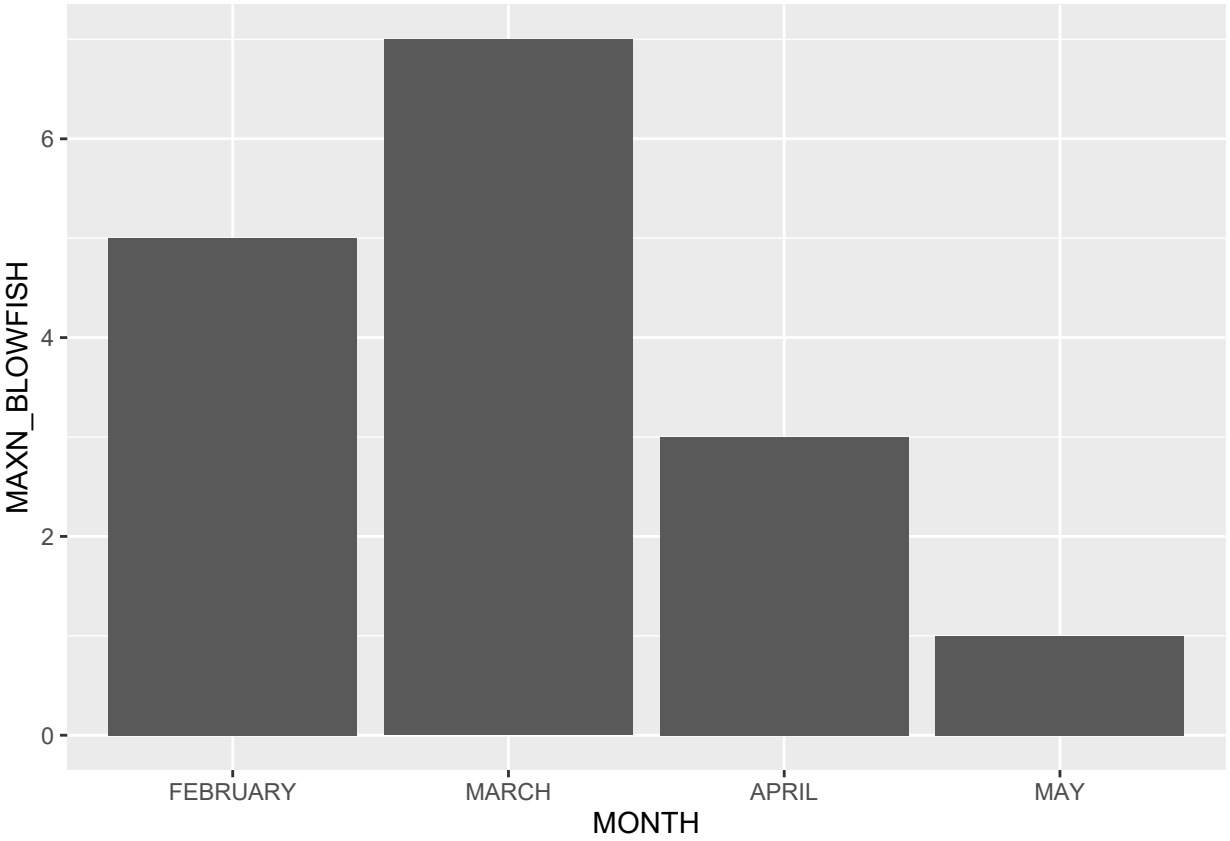
SITE_TYPE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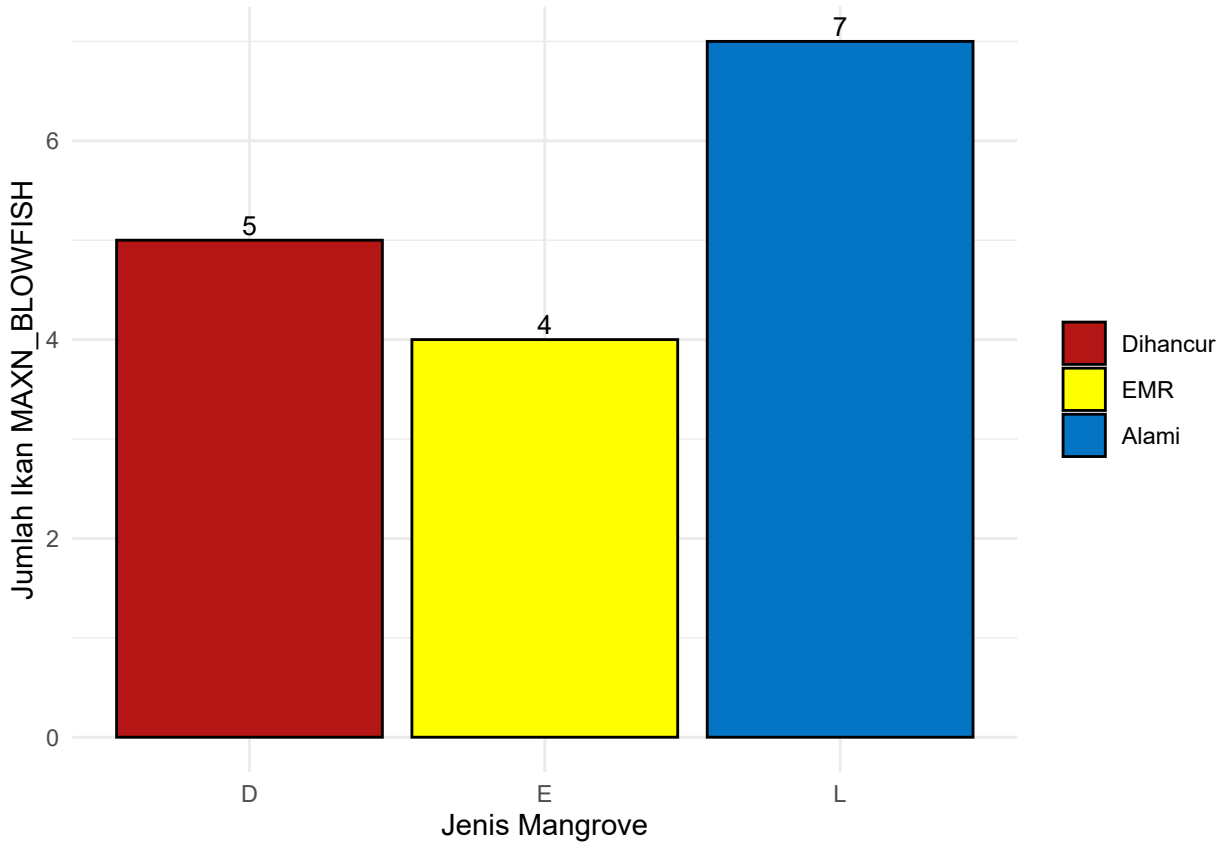
FEBRUARY
MARCH
APRIL
MAY
MONTH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5
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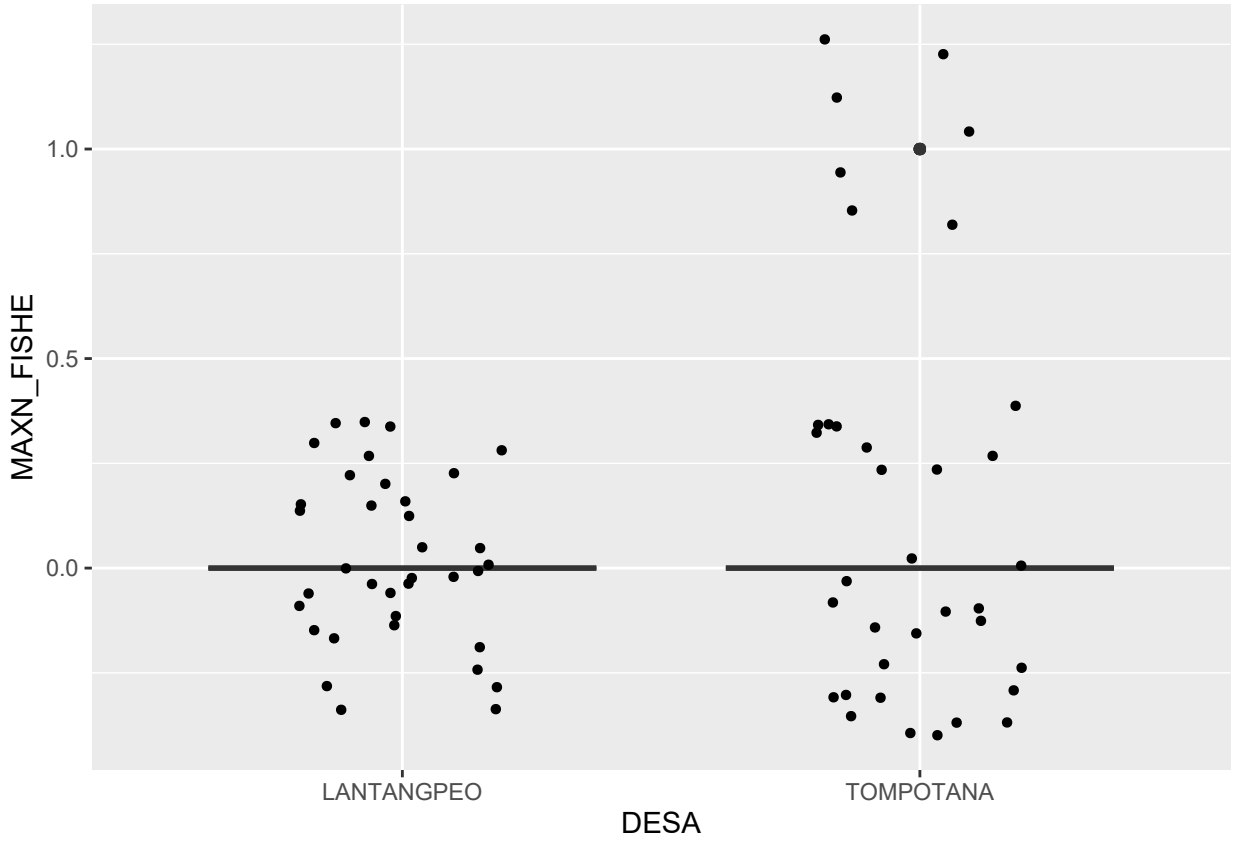
Jumlah Ikan MAXN_BLOWFISH
D
E
L
Jenis Mangrove
Dihancur
EMR
Alami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LANTANGPEO
TOMPOTANA
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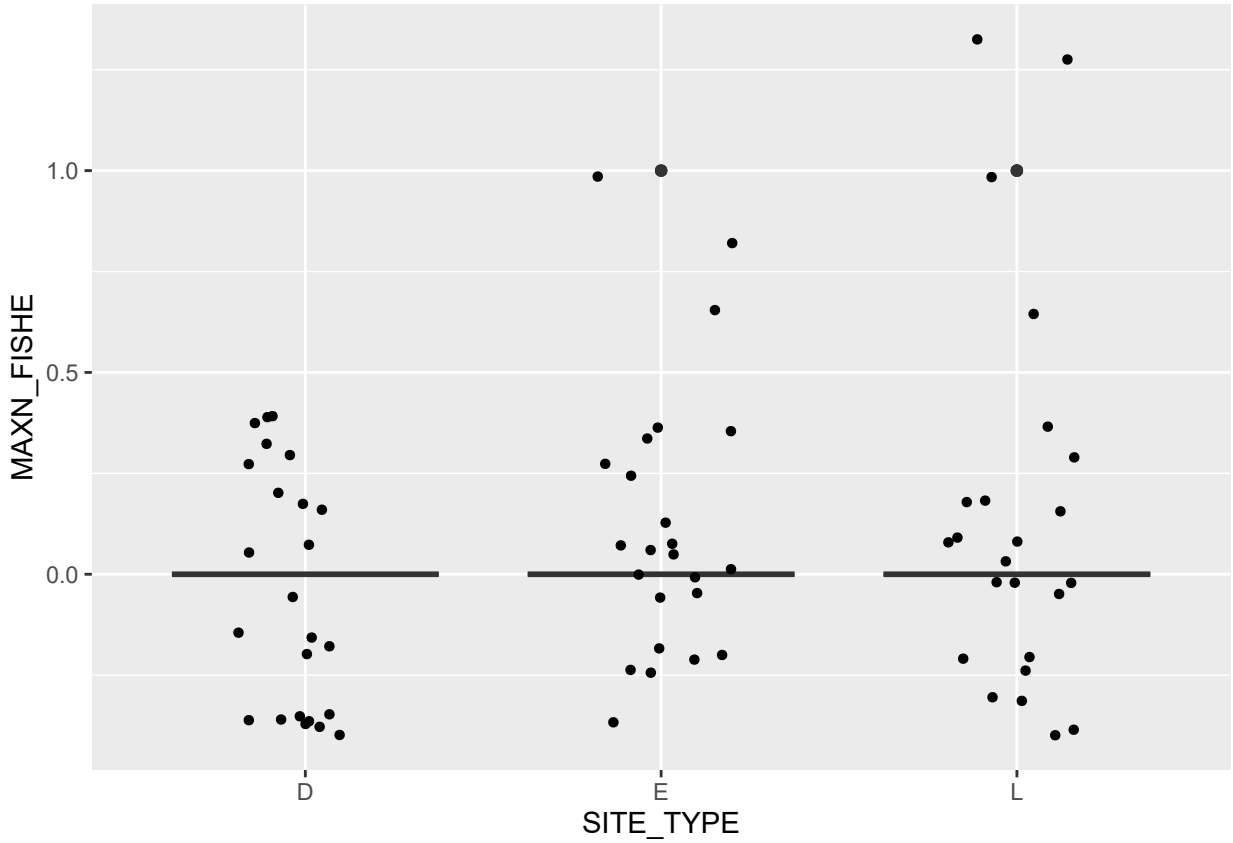
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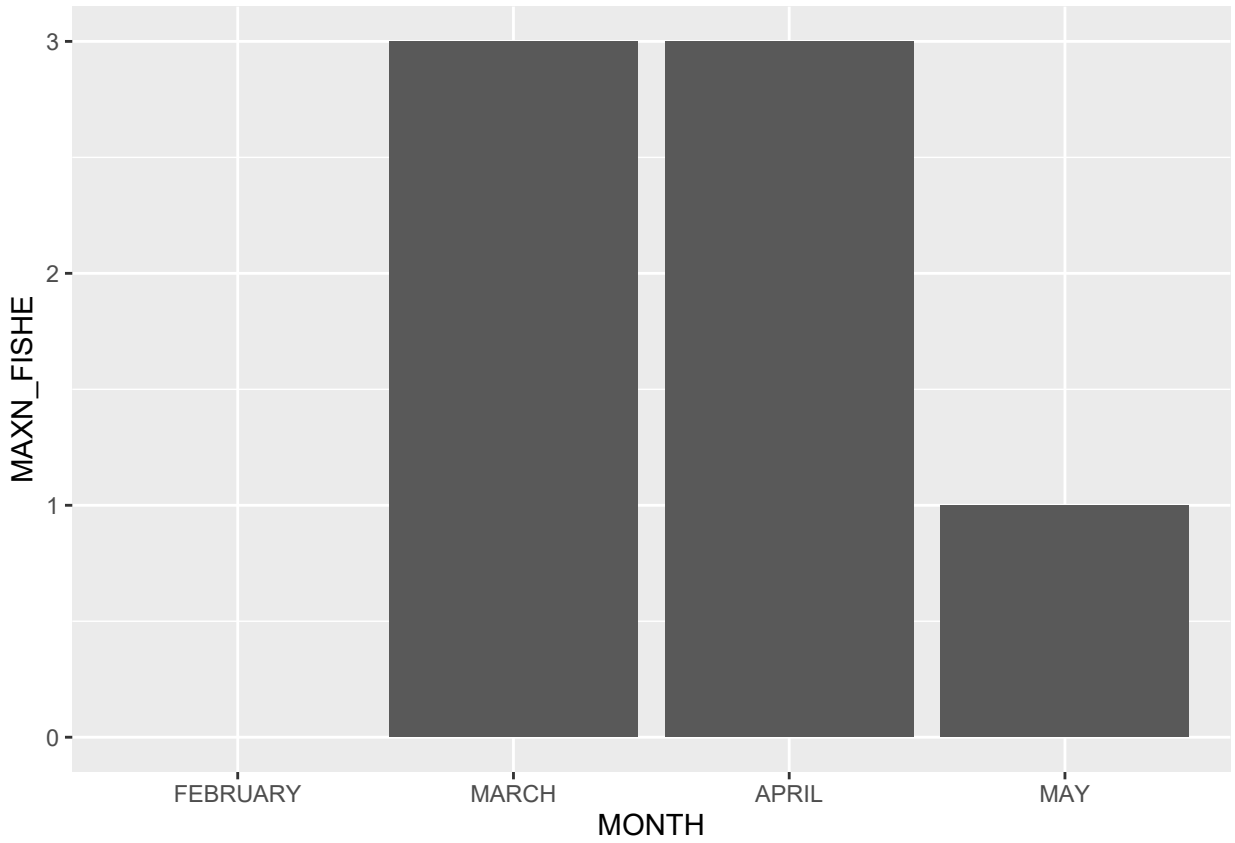
SITE_TYPE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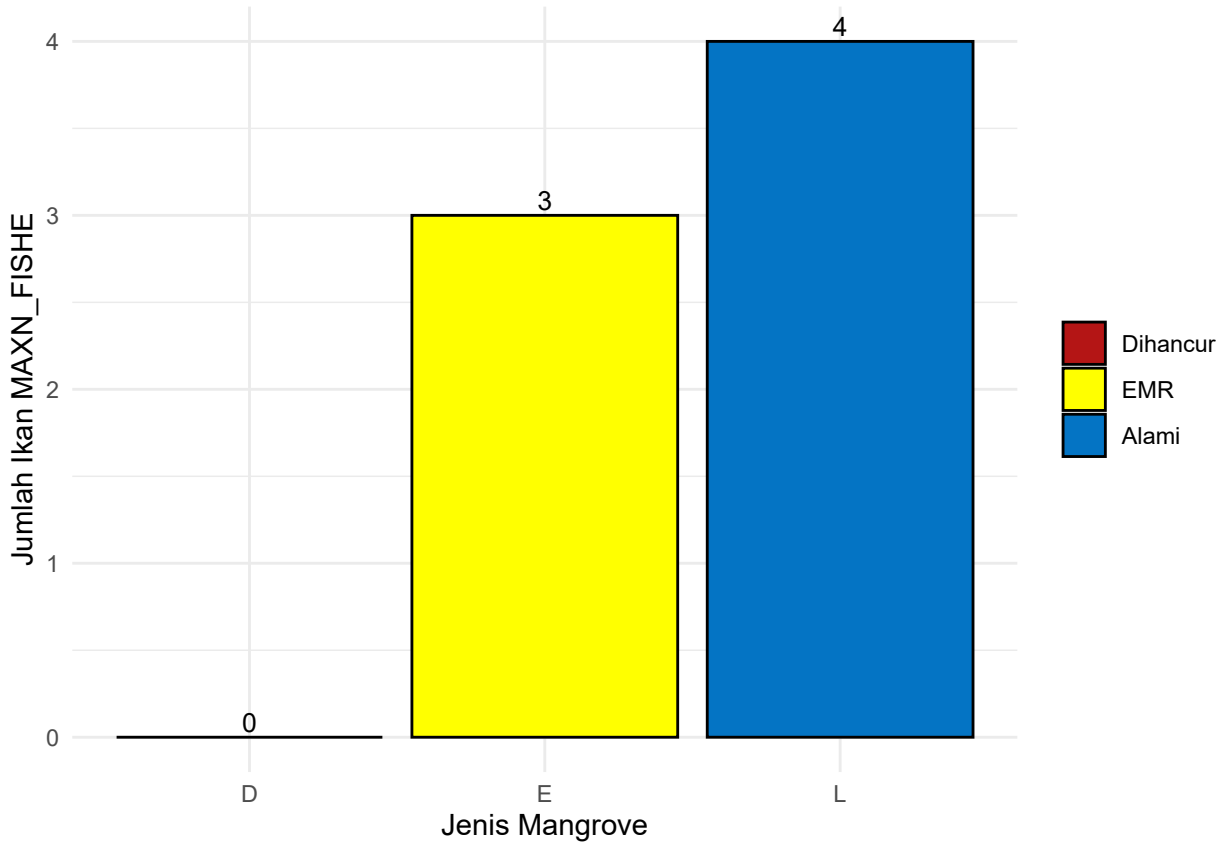
FEBRUARY
MARCH
APRIL
MAY
MONTH


4
3
2
1
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Jumlah Ikan MAXN_FISHE
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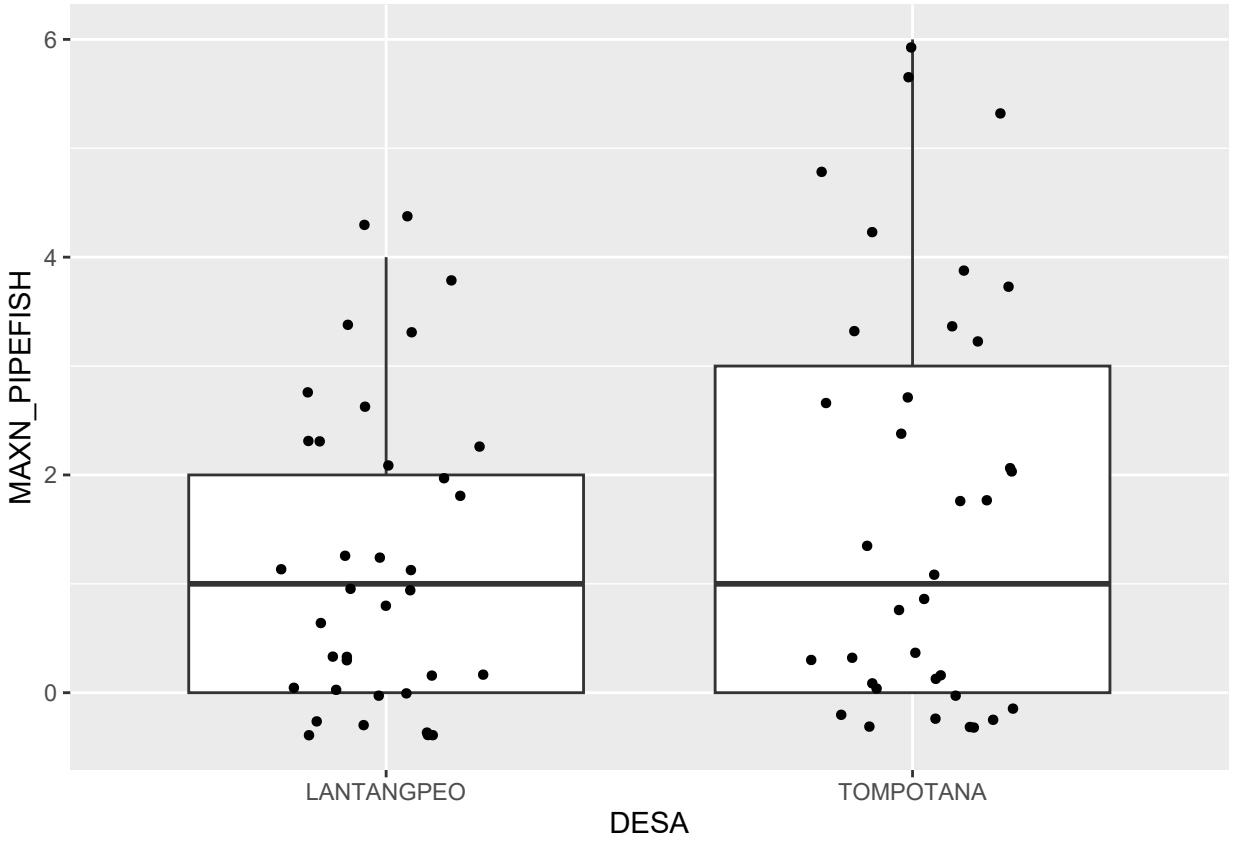
D
E
L
Jenis Mangrove
Dihancur
EMR
Alami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4
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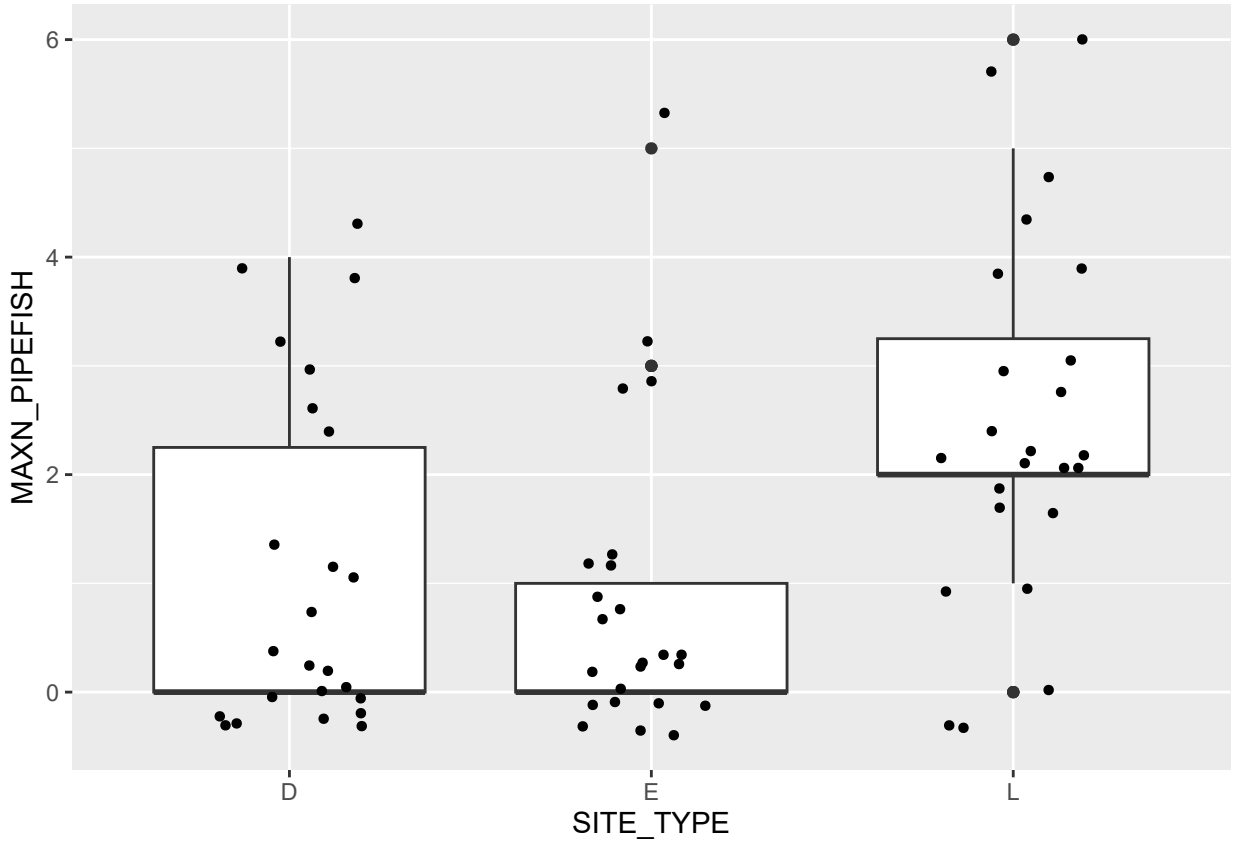
LANTANGPEO
TOMPOTANA
DESA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4
2
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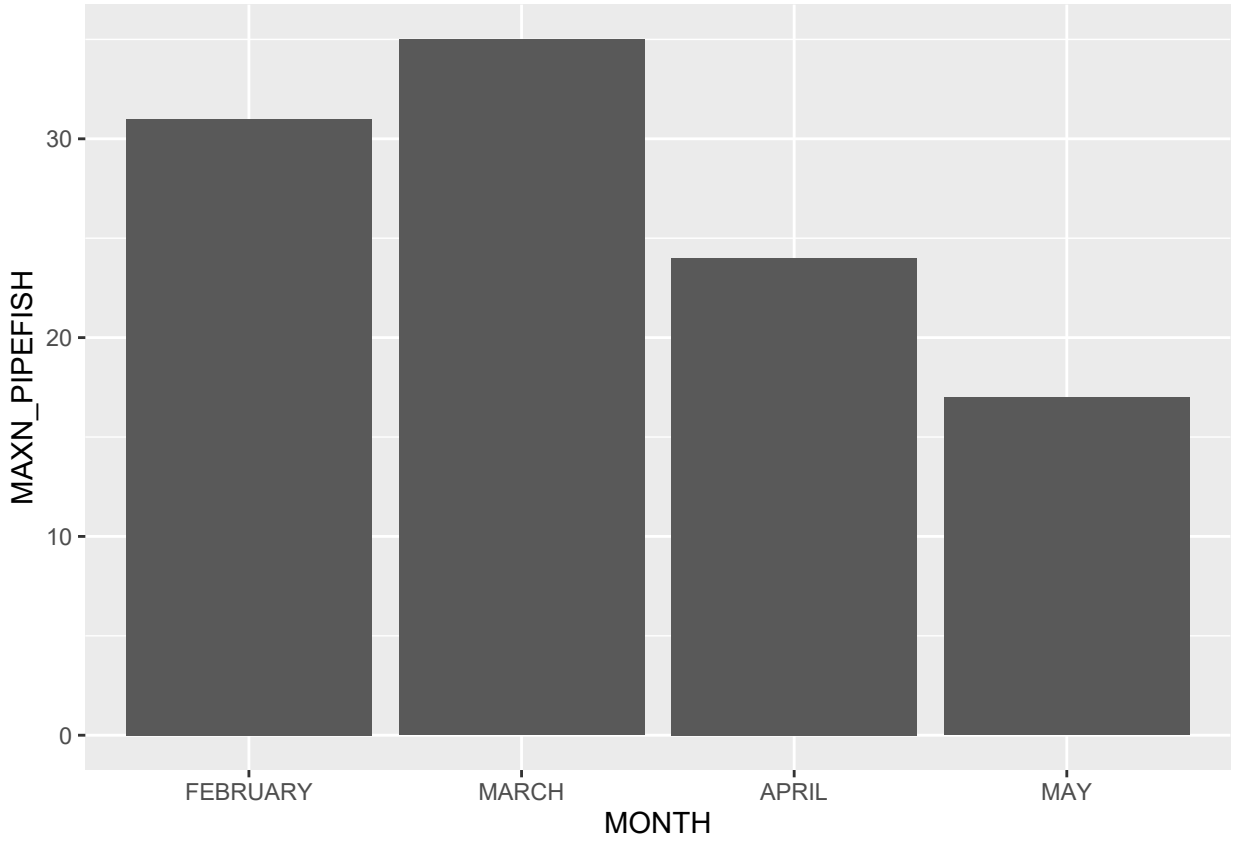
MAXN_PIPEFISH
D
E
L
SITE_TYPE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20
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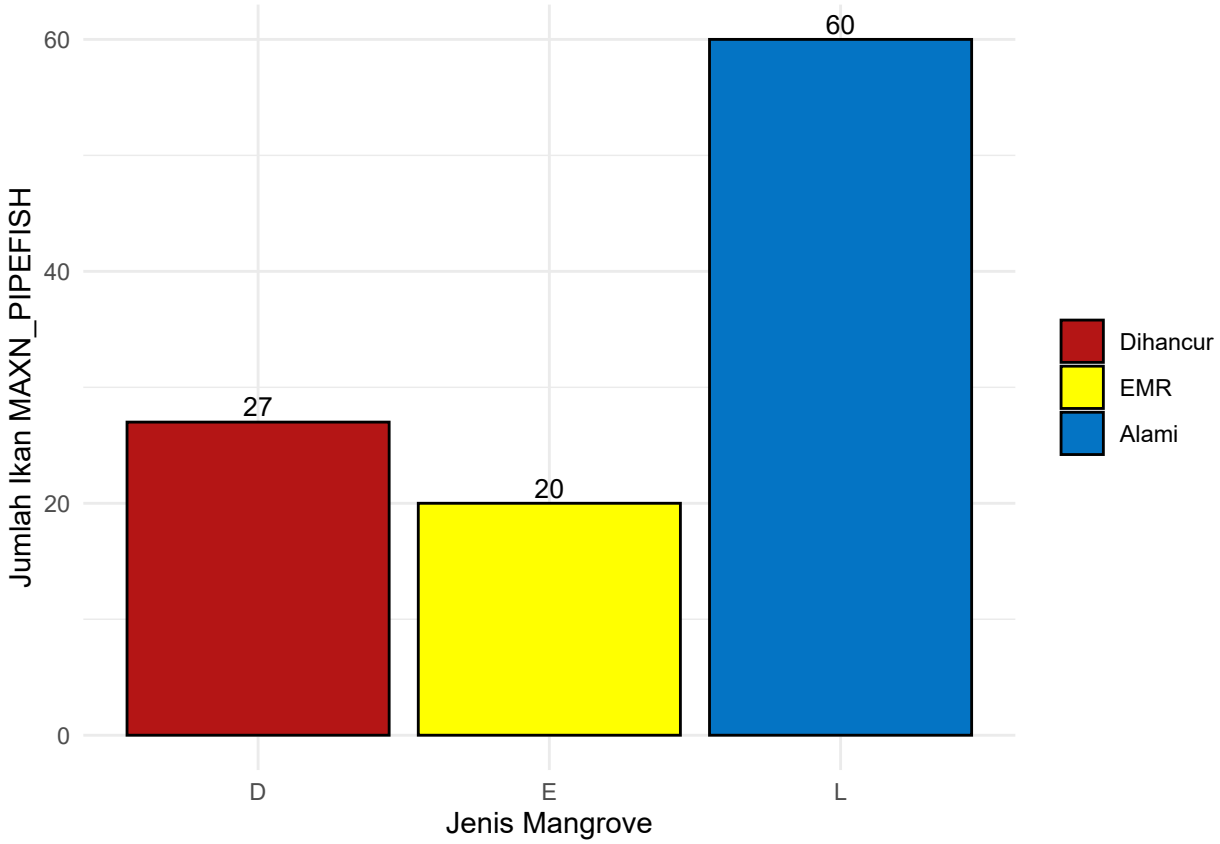
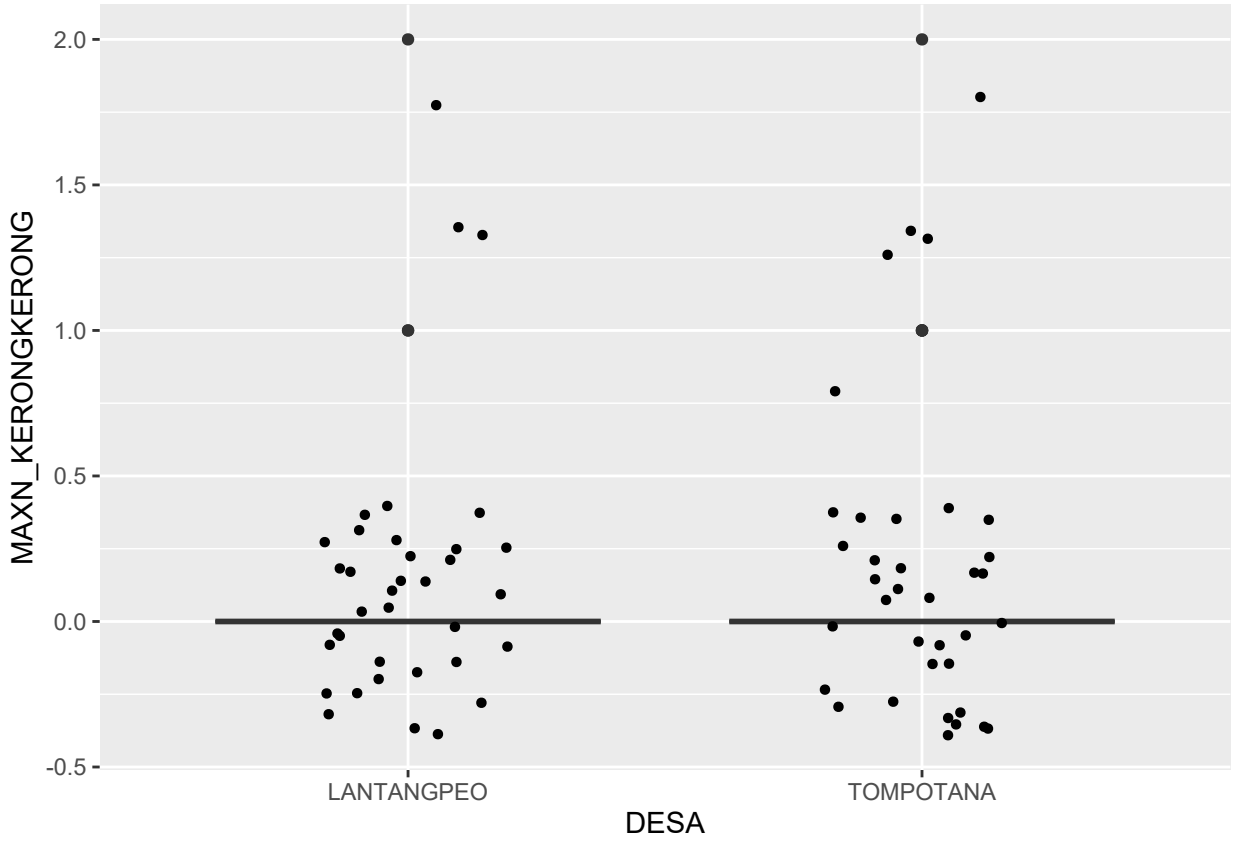
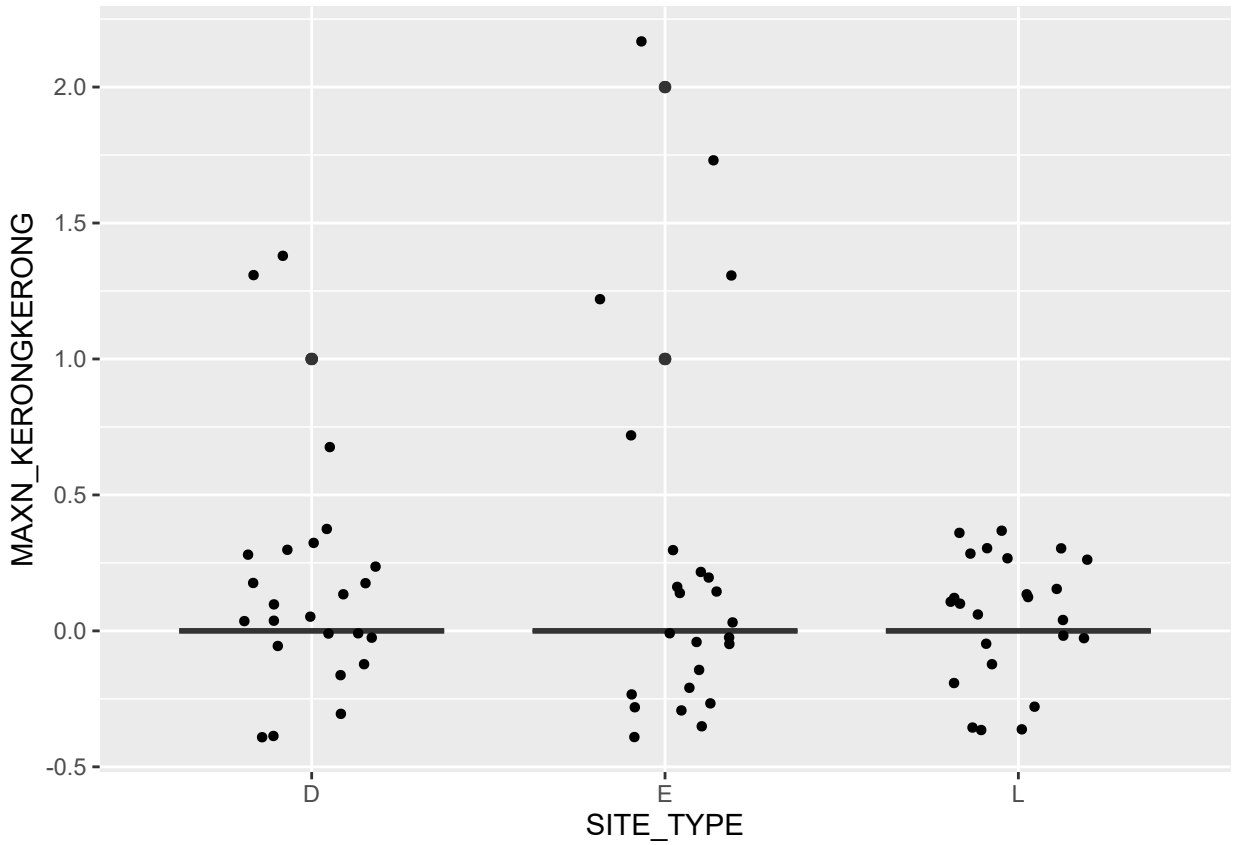
FEBRUARY
MARCH
APRIL
MAY
MONTH


60
40
20
0
Jumlah Ikan MAXN_PIPEFISH
27
20
60
D
E
L
Jenis Mangrove
Dihancur
EMR
Alami


2.0
1.5
1.0
0.5
0.0
-0.5
MAXN_KERONGKERONG
LANTANGPEO
TOMPOTANA
DESA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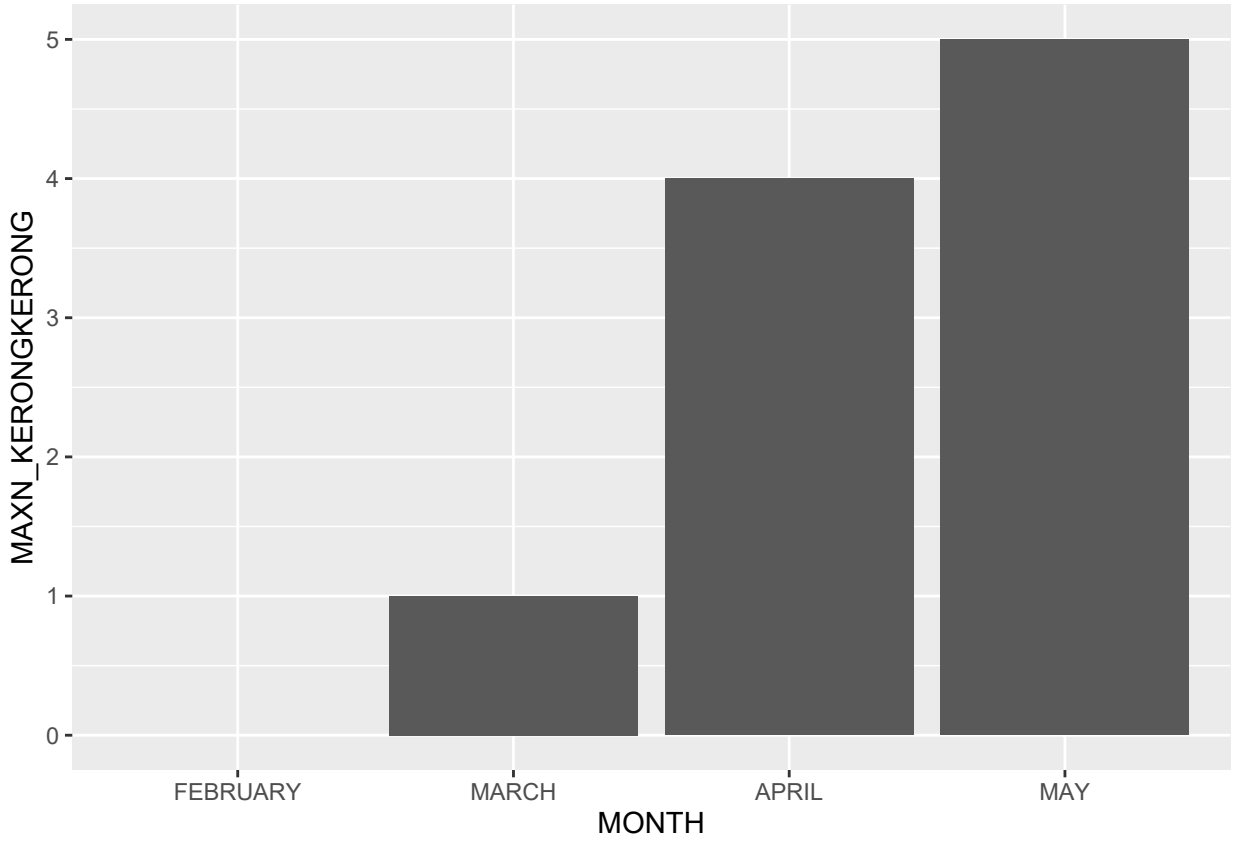
1.5
1.0
0.5
0.0
-0.5
D
E
L
SITE_TYPE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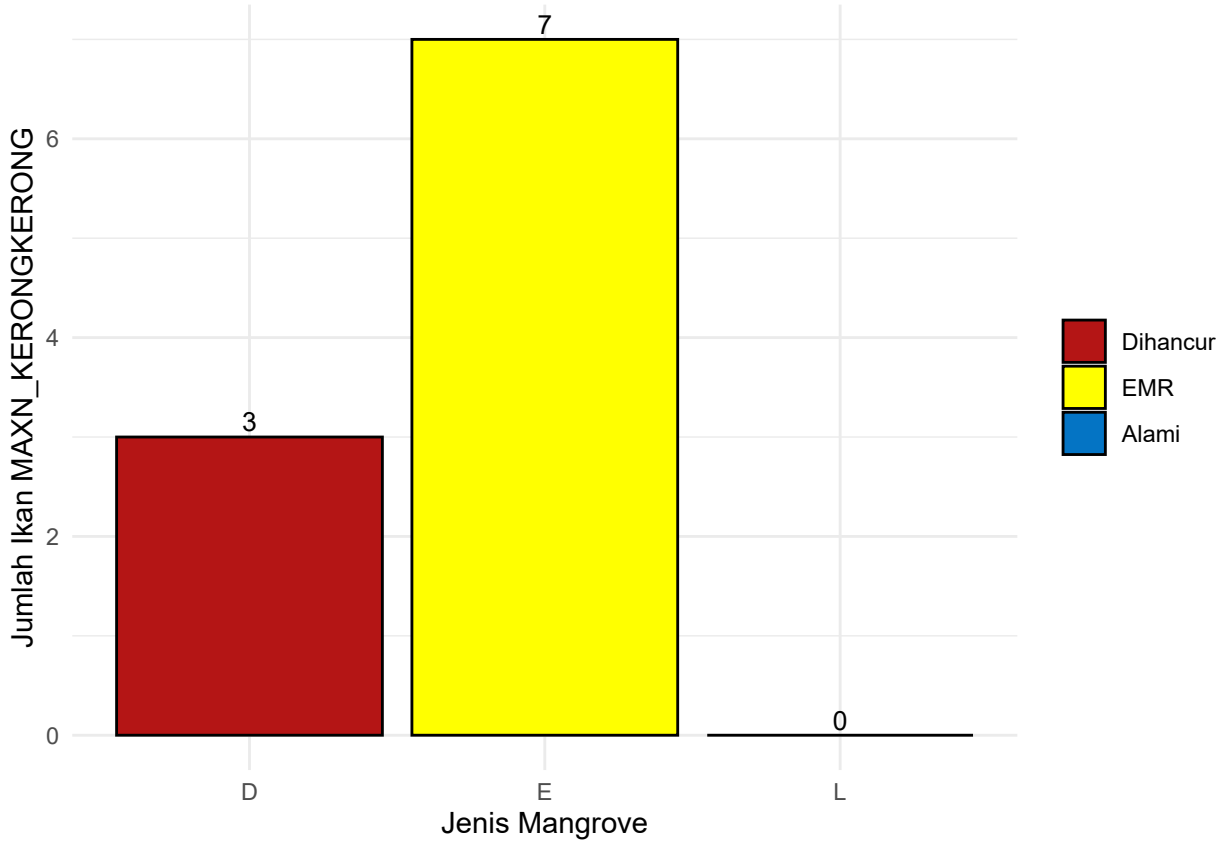
4
3
2
1
0
FEBRUARY
MARCH
APRIL
MAY
MONTH


Jumlah Ikan MAXN_KERONGKERONG
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2
4
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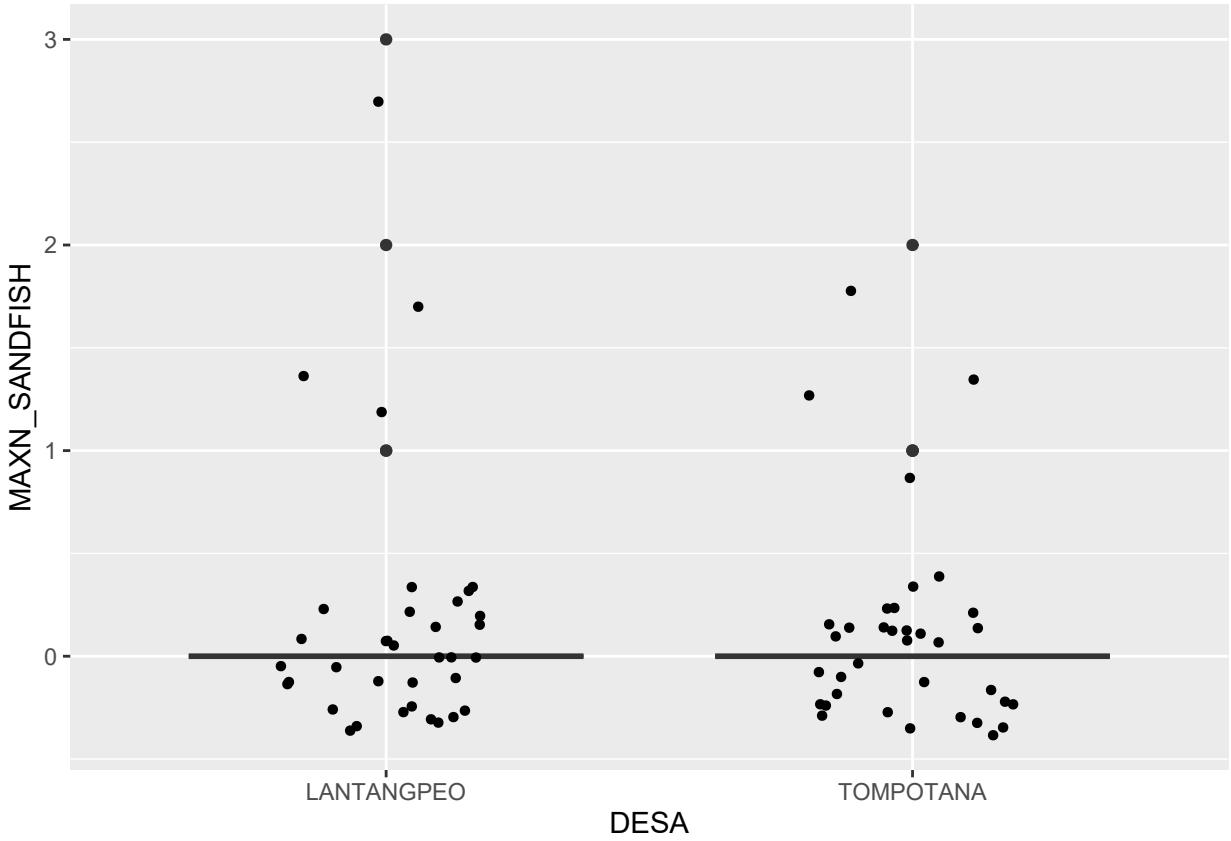
7
0
D
E
L
Jenis Mangrove
Dihancur
EMR
Alami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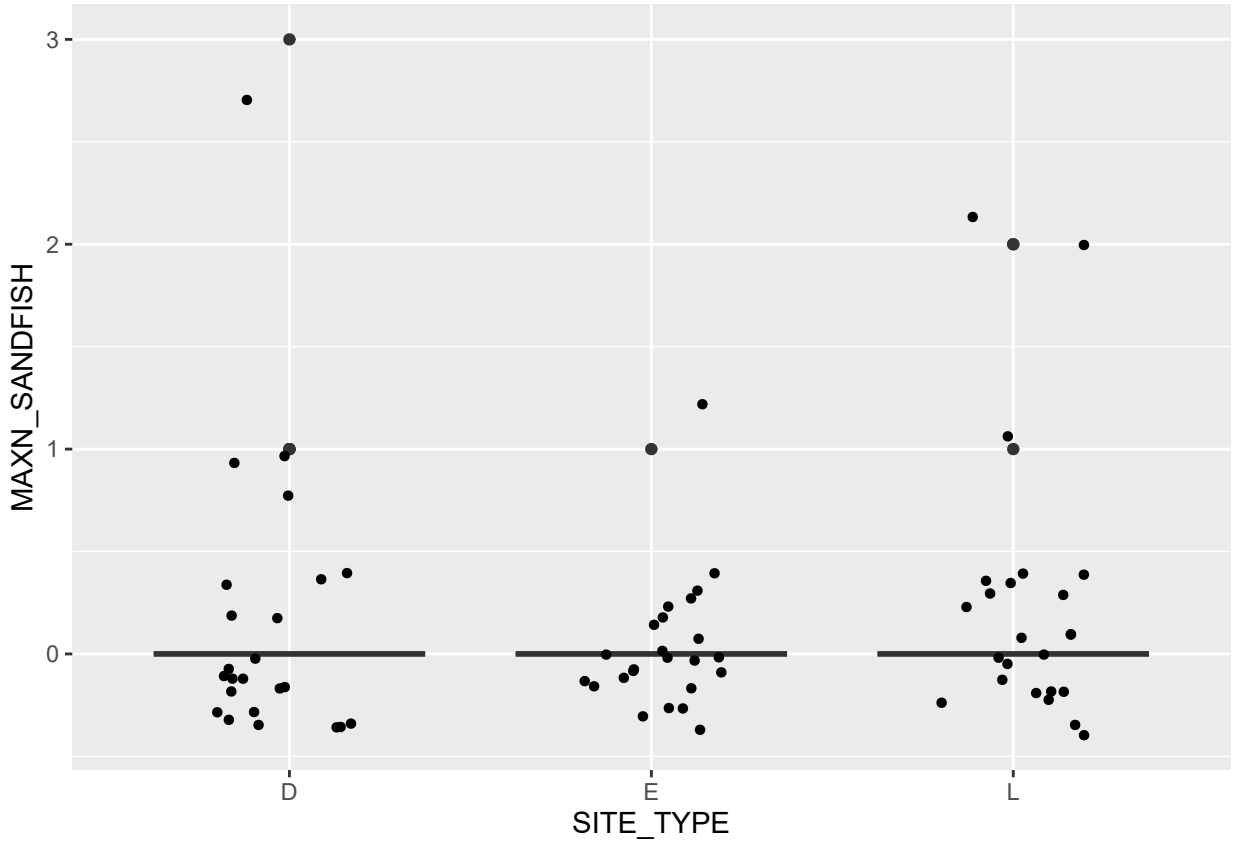
LANTANGPEO
TOMPOTANA
DESA


3
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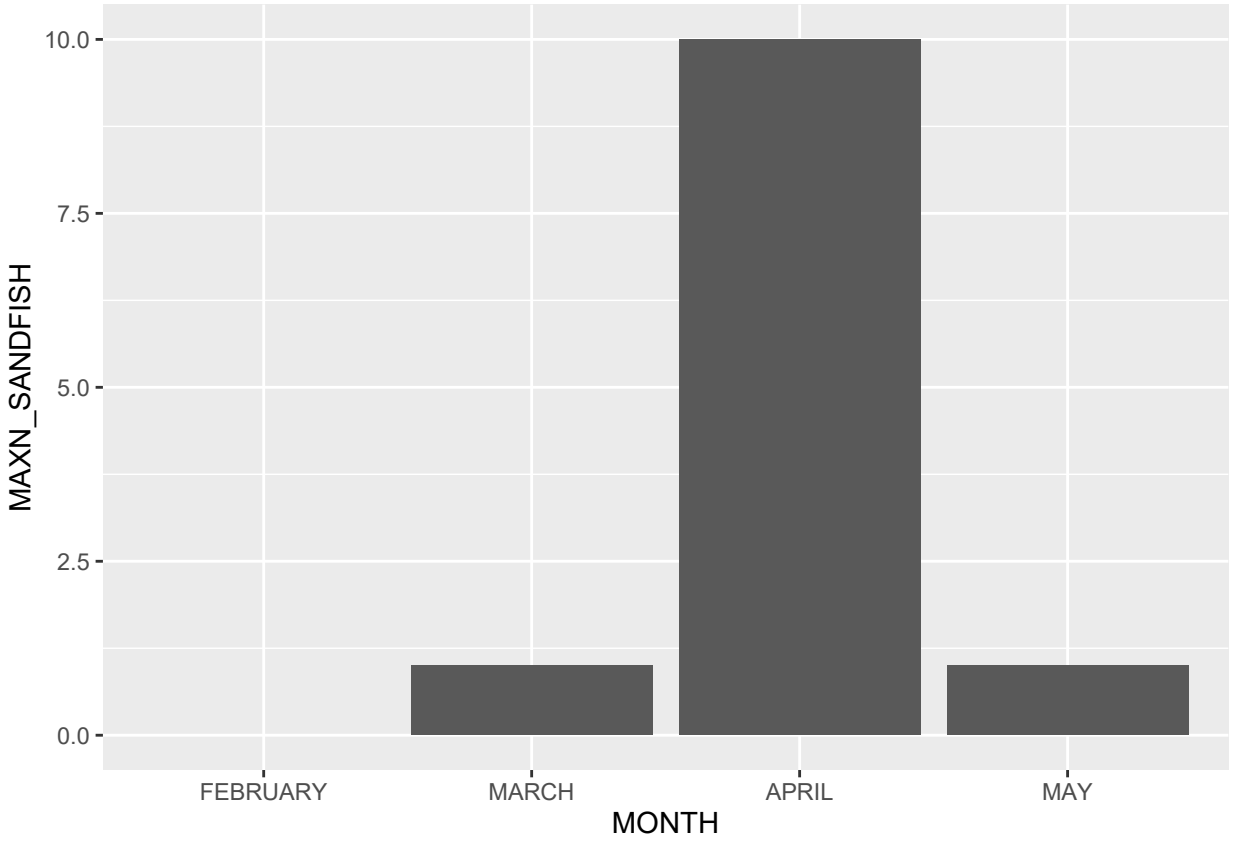
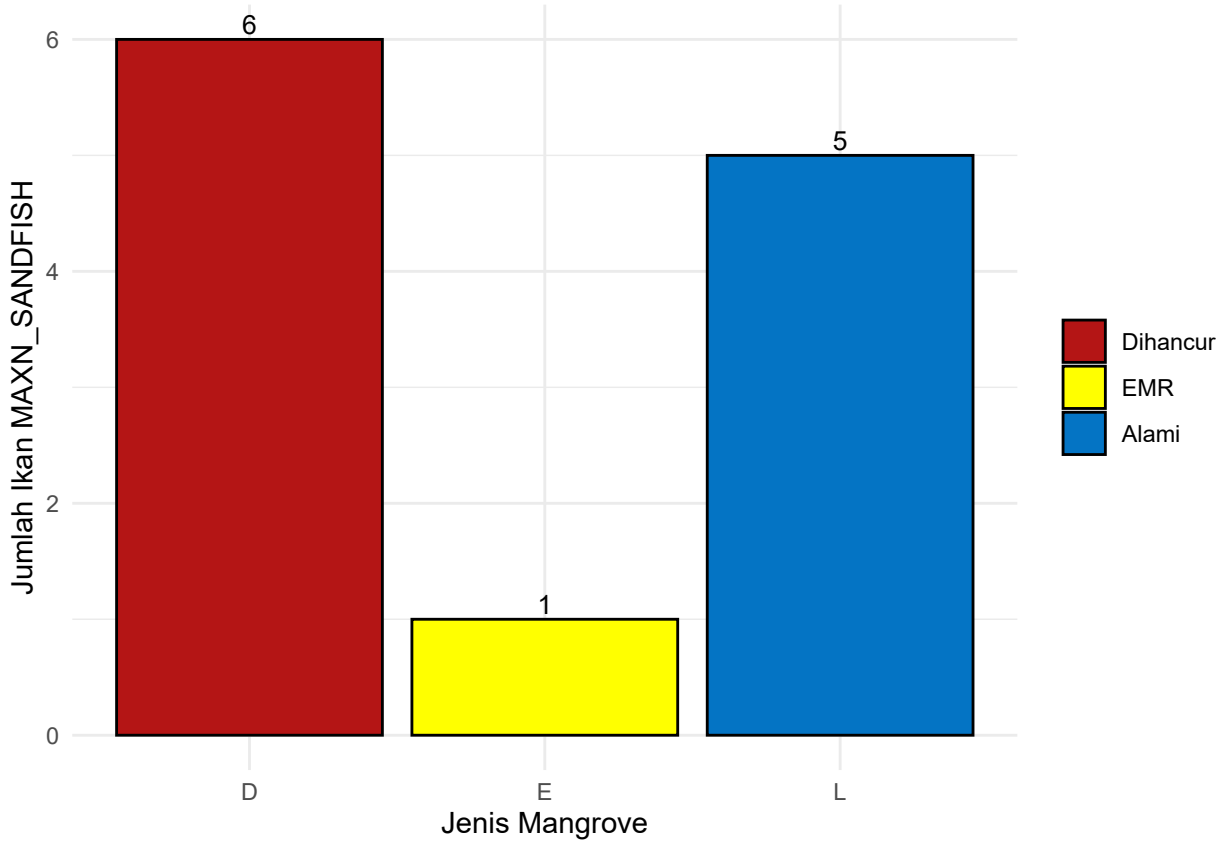
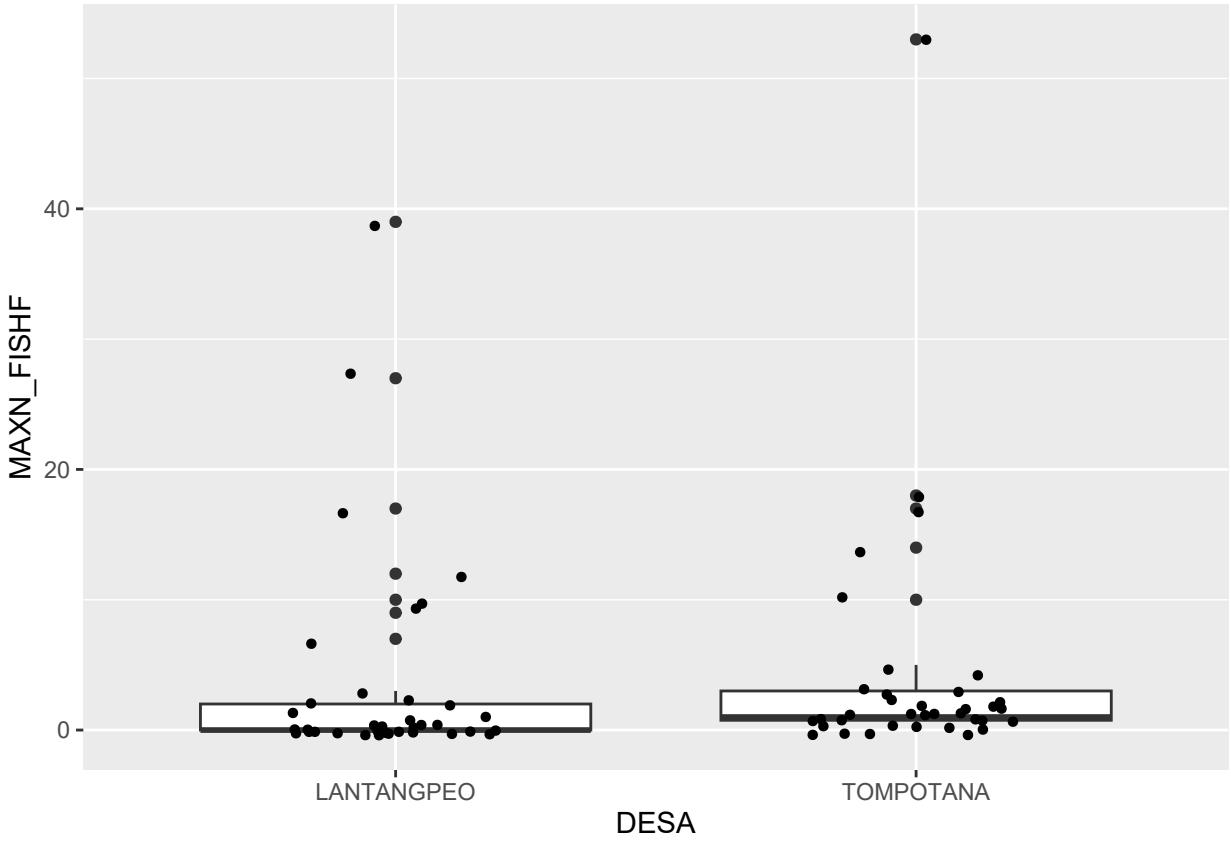
1
0
MAXN_SANDFISH
D
E
L
SITE_TYPE


10.0
7.5
5.0
2.5
0.0
MAXN_SANDFISH
FEBRUARY
MARCH
APRIL
MAY
MONTH


6
5
1
6
4
2
0
Jumlah Ikan MAXN_SANDFISH
D
E
L
Jenis Mangrove
Dihancur
EMR
Alami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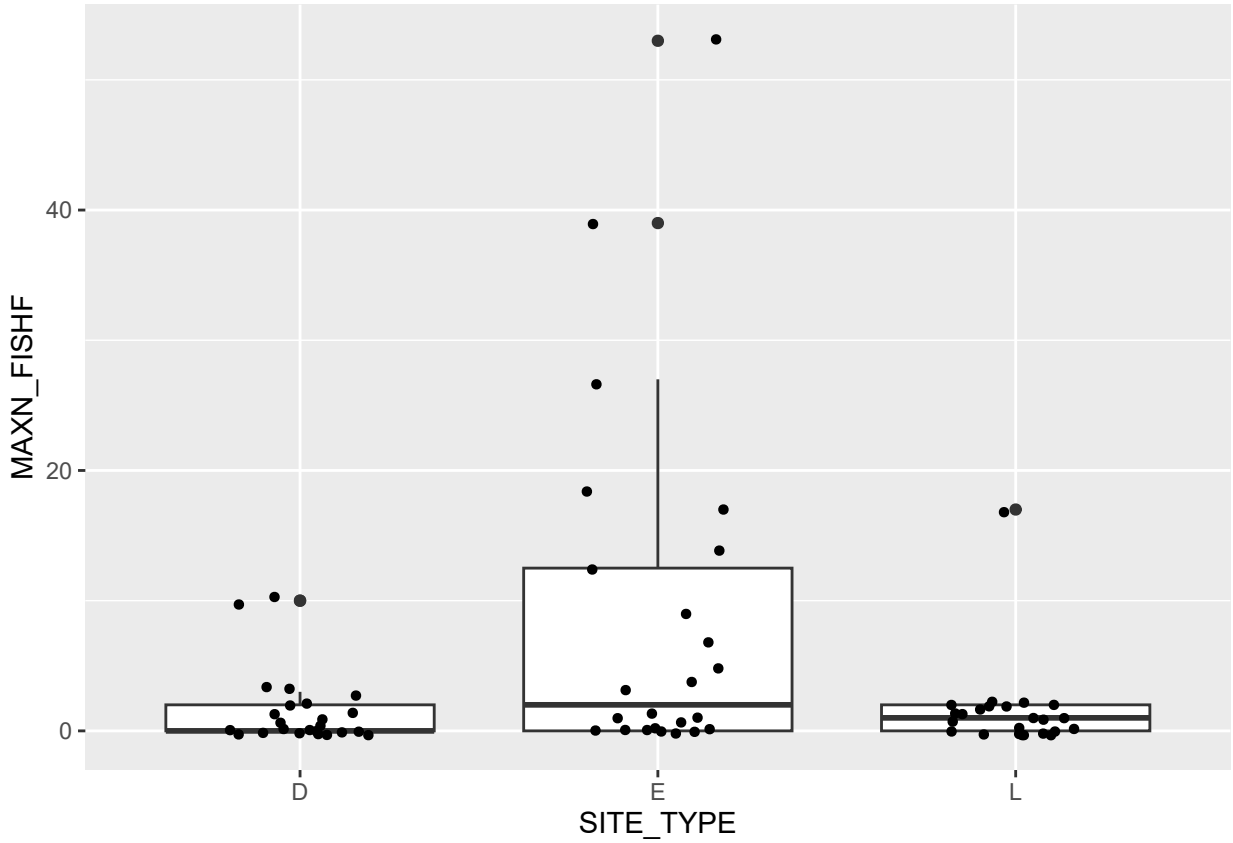
DESA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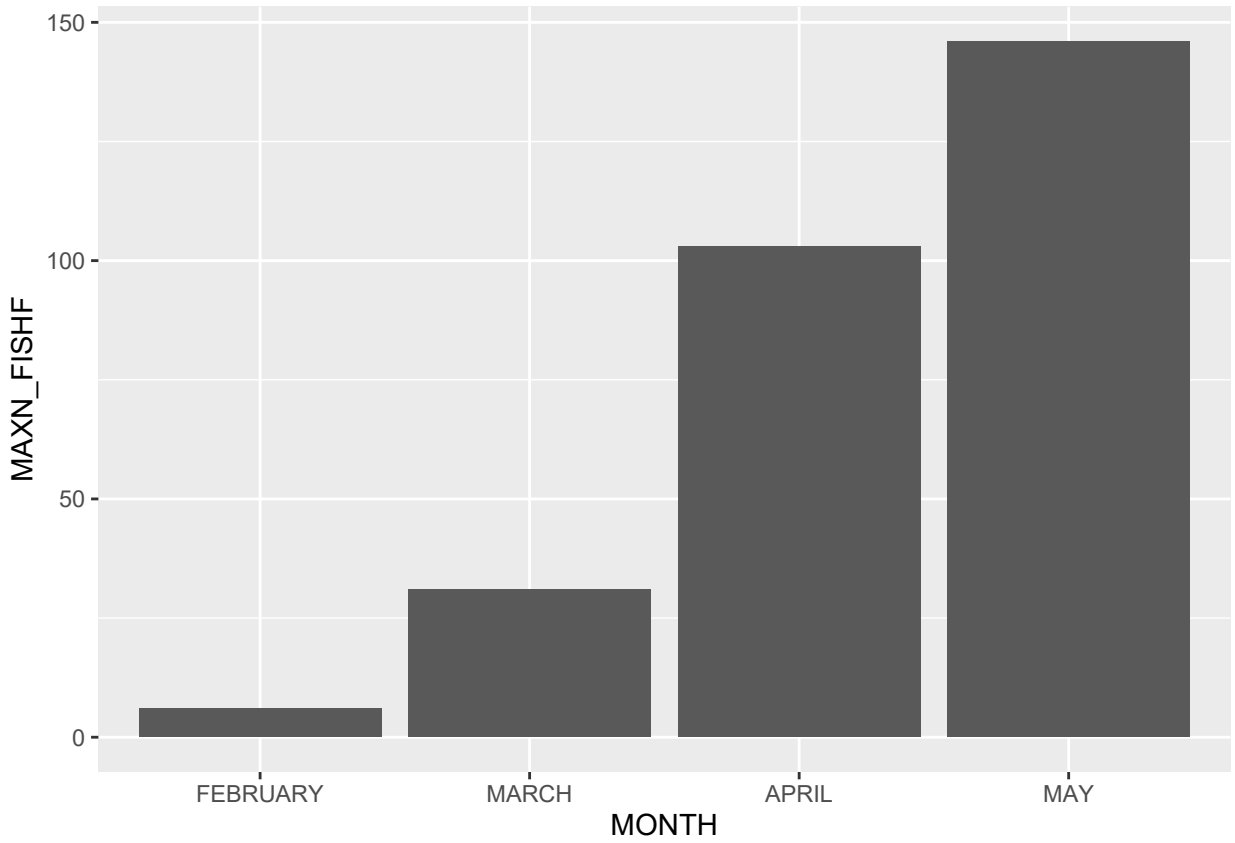
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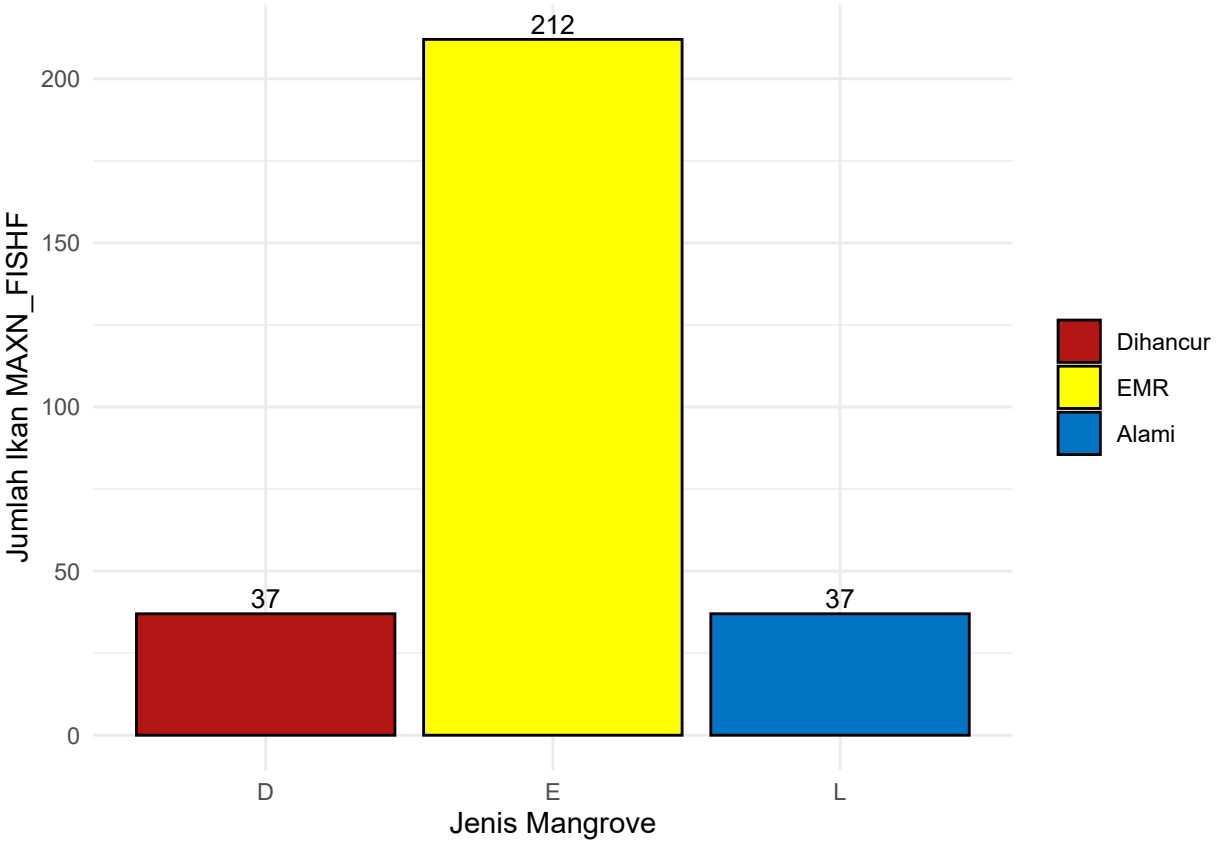
MARCH
APRIL
MAY
MONTH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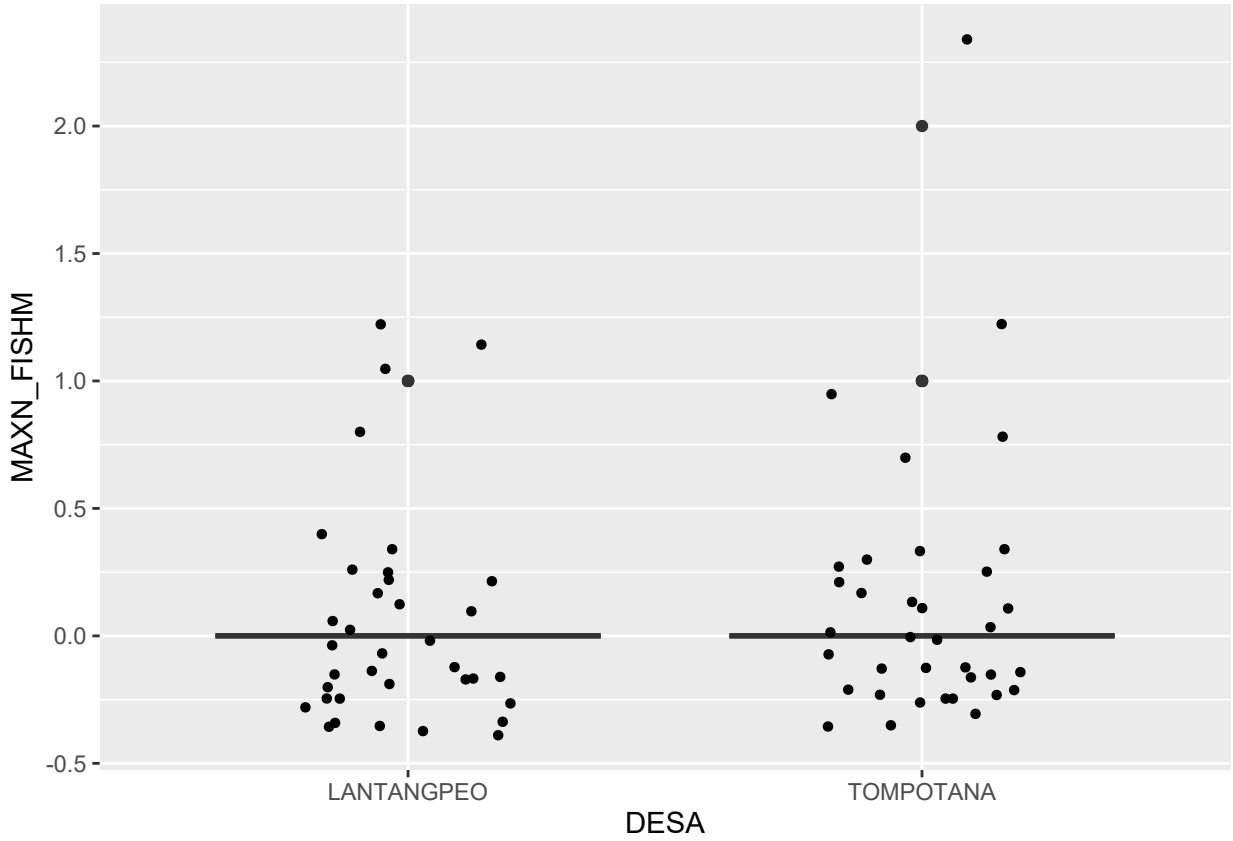
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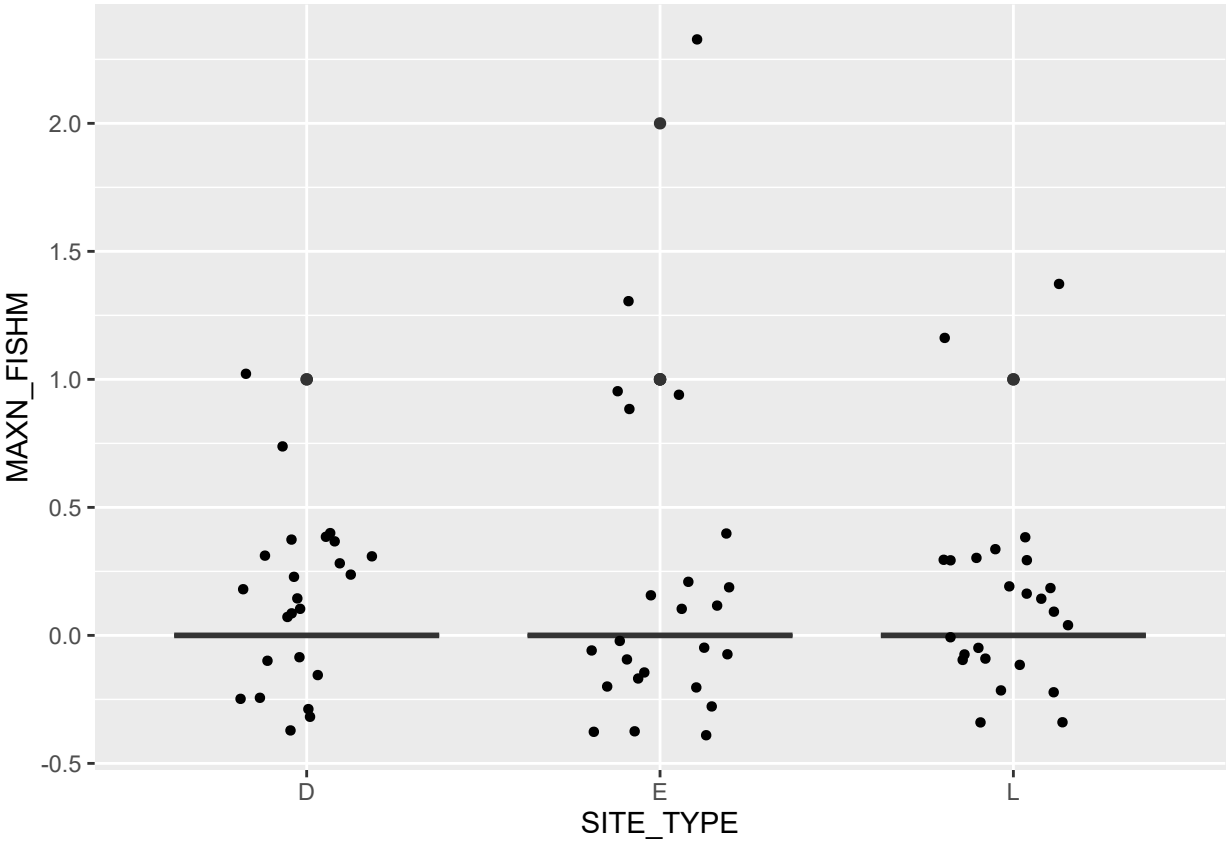
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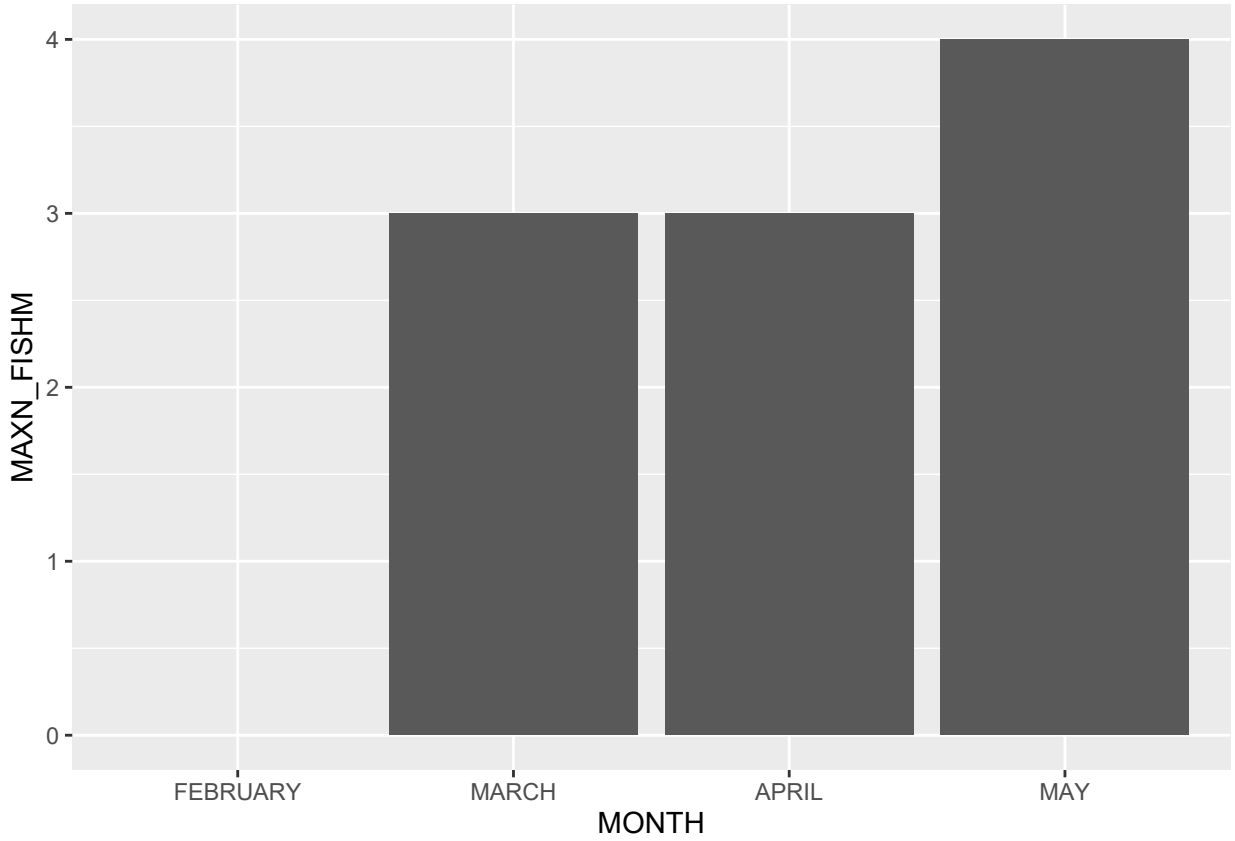
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MAY
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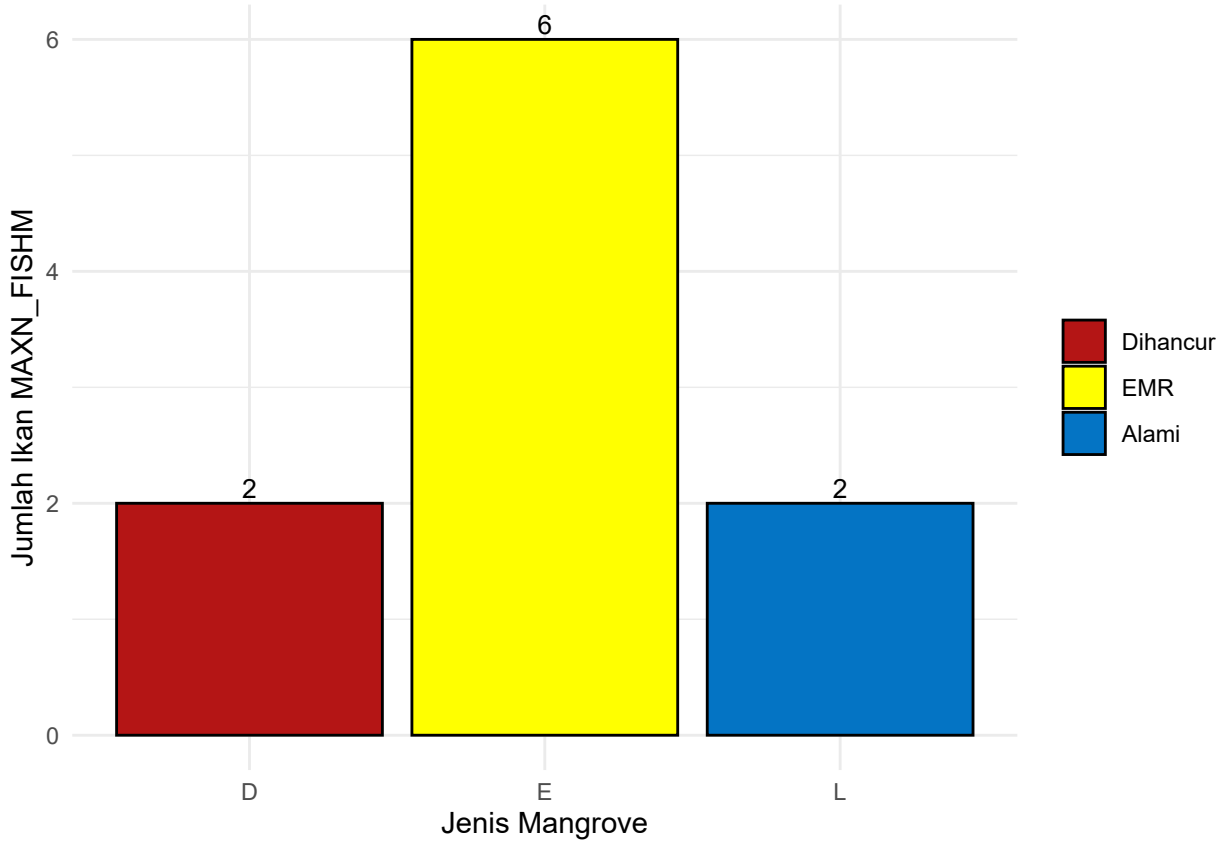
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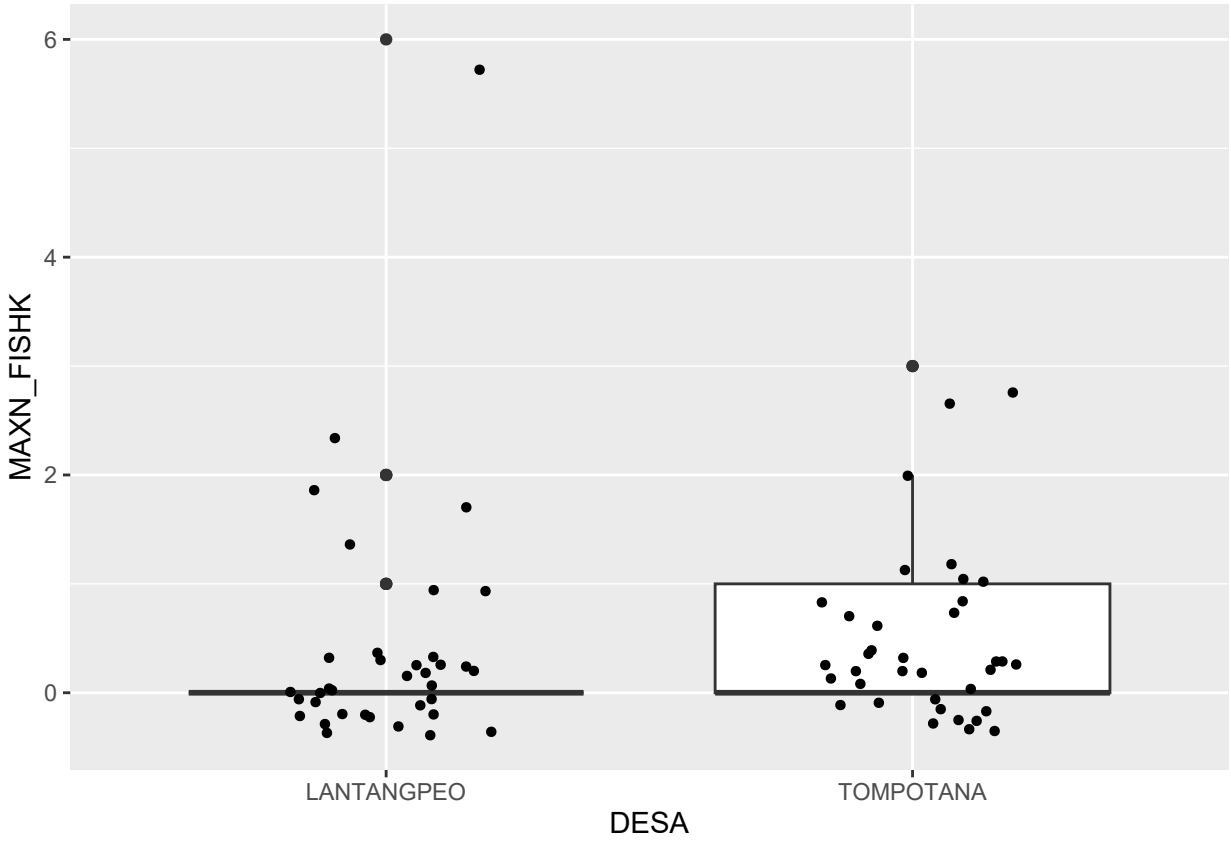
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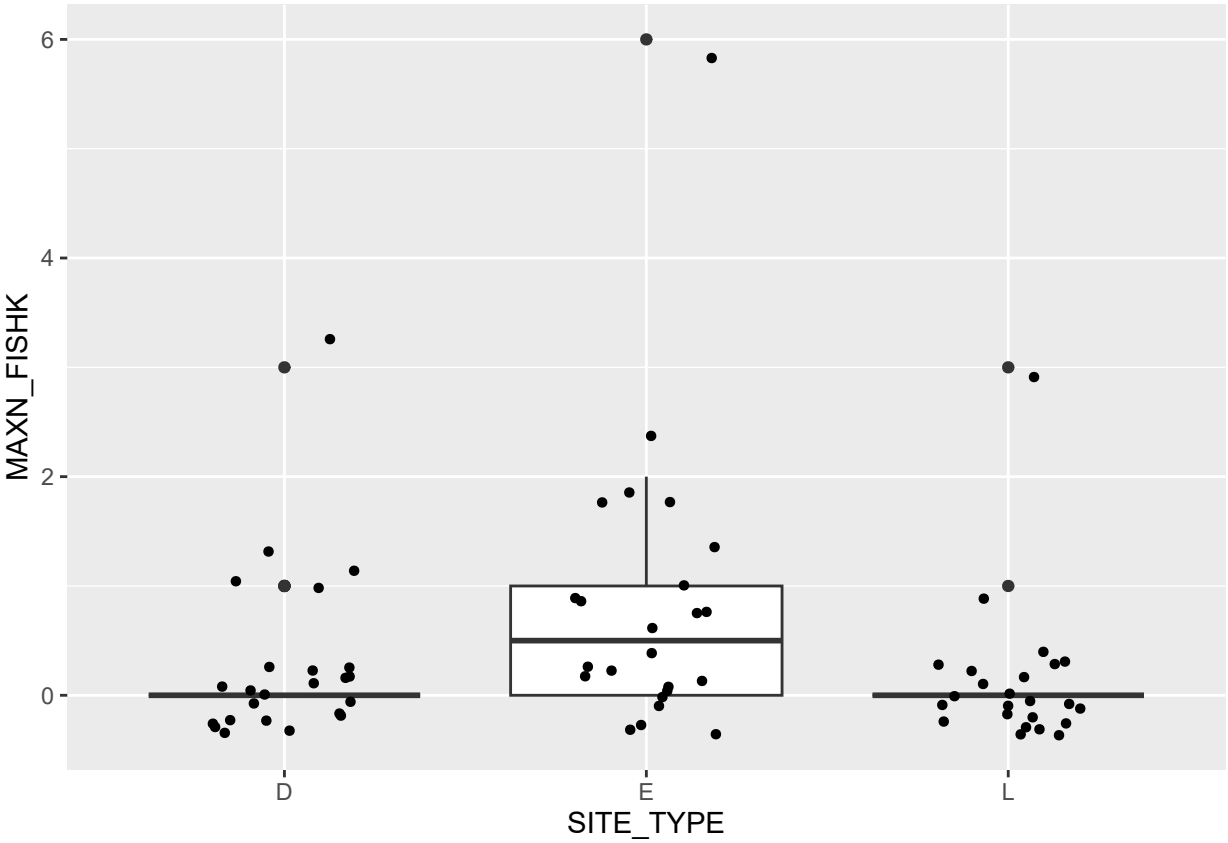
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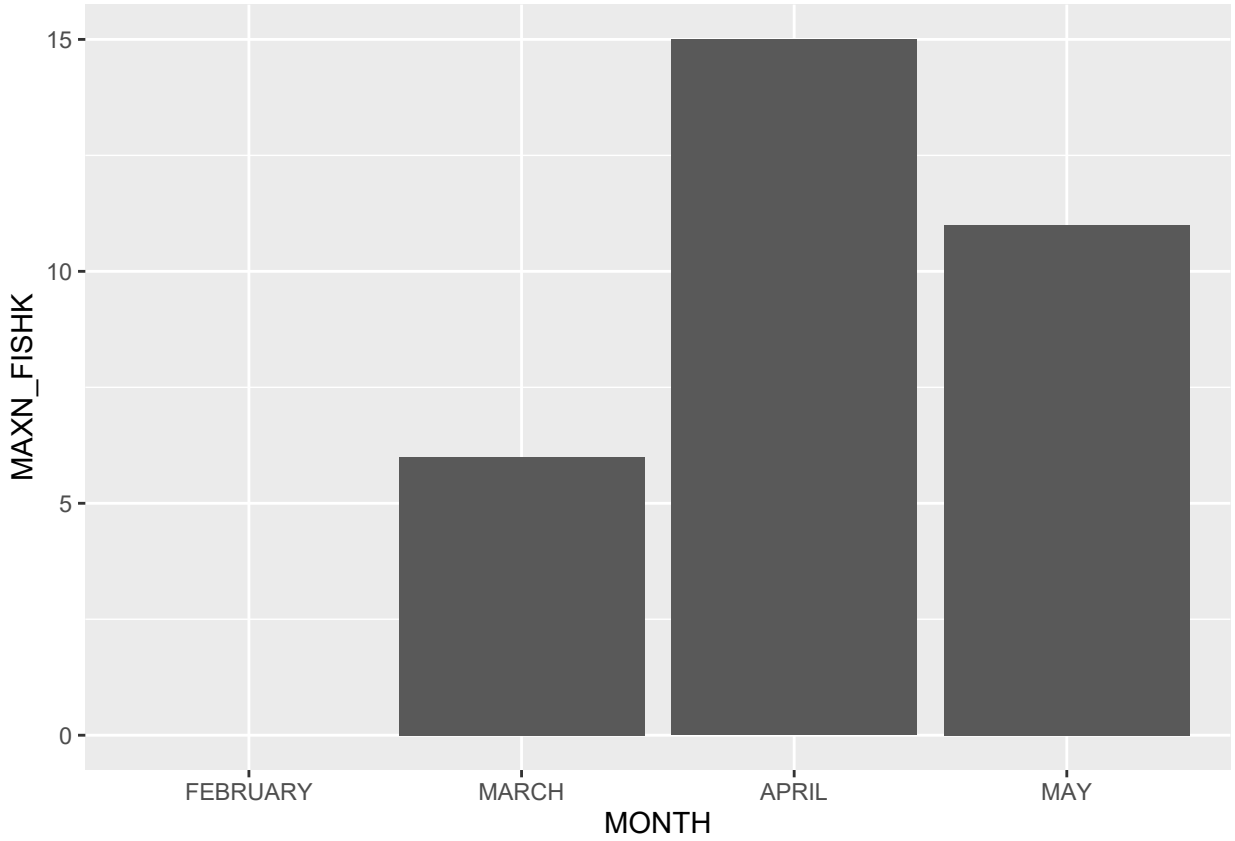
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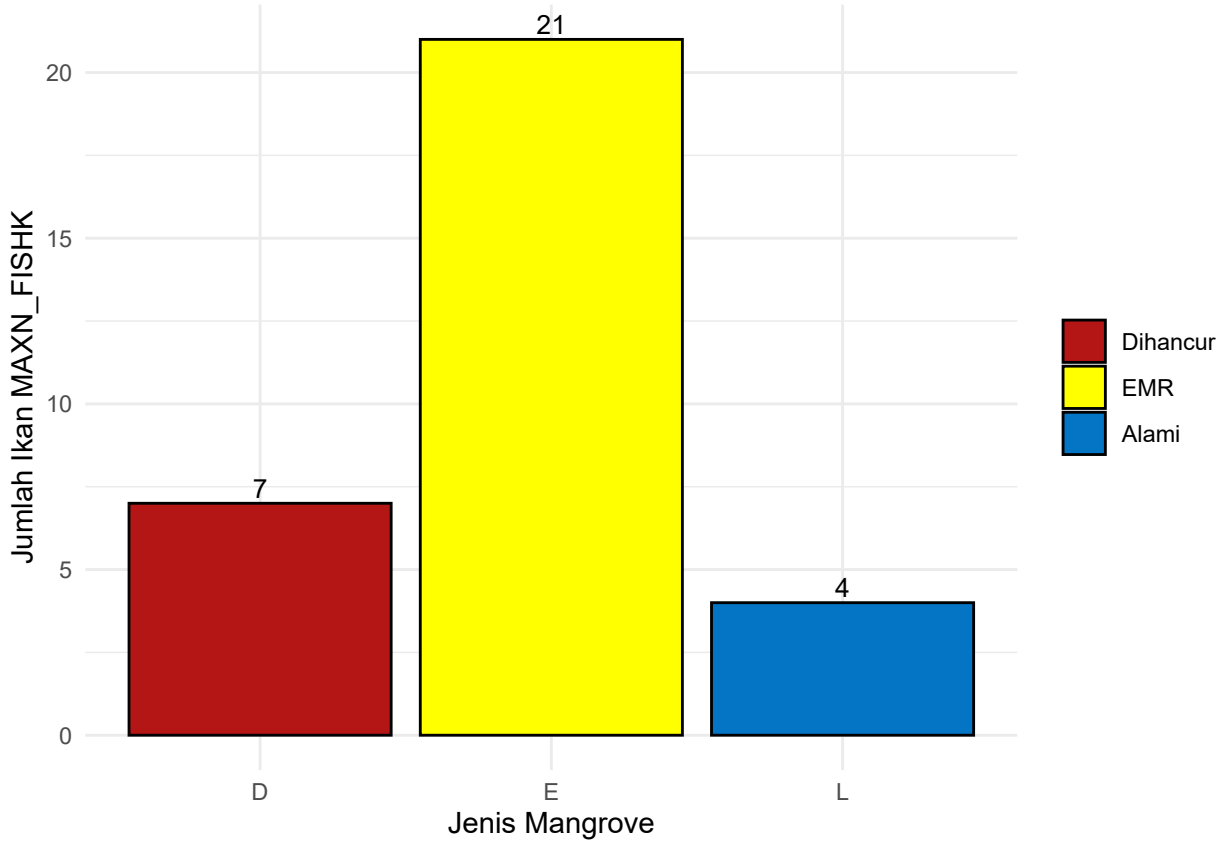
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7
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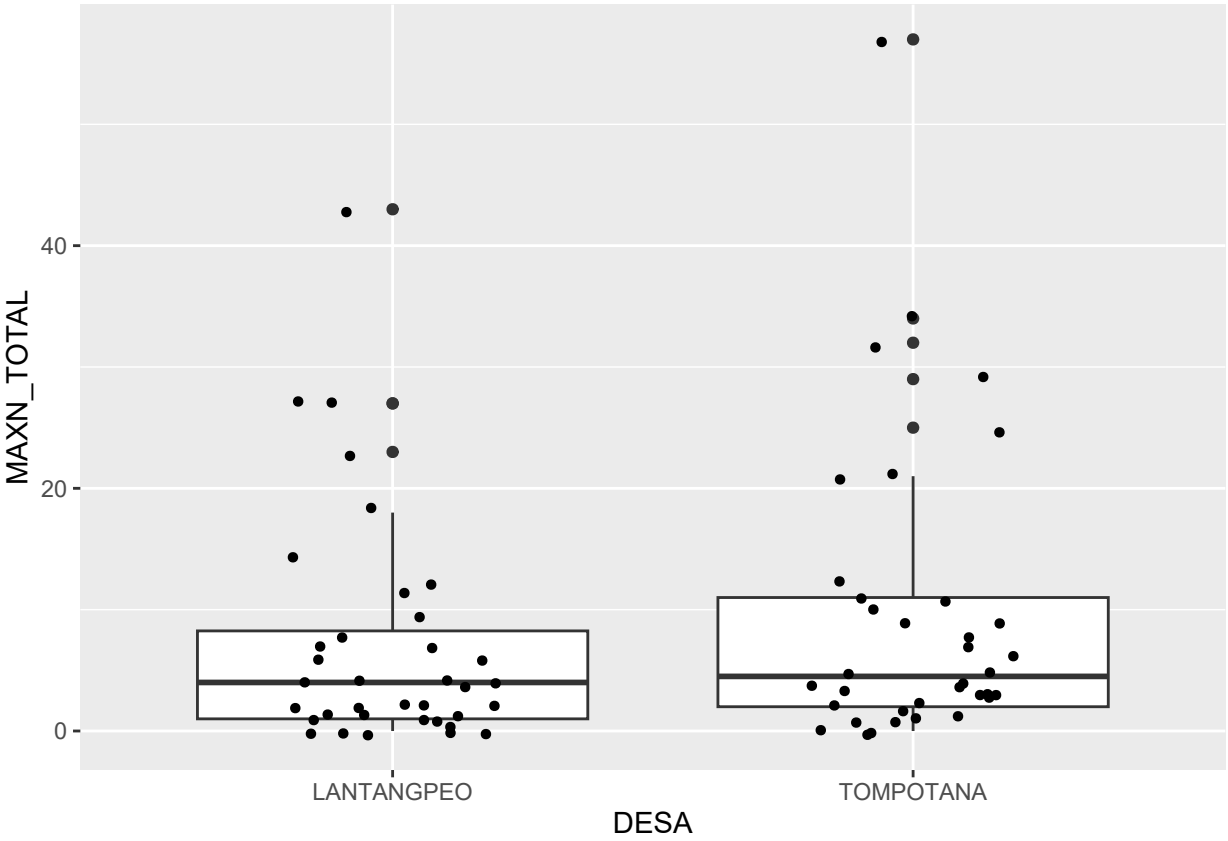
Jenis Mangrove
Dihancur
EMR
Alami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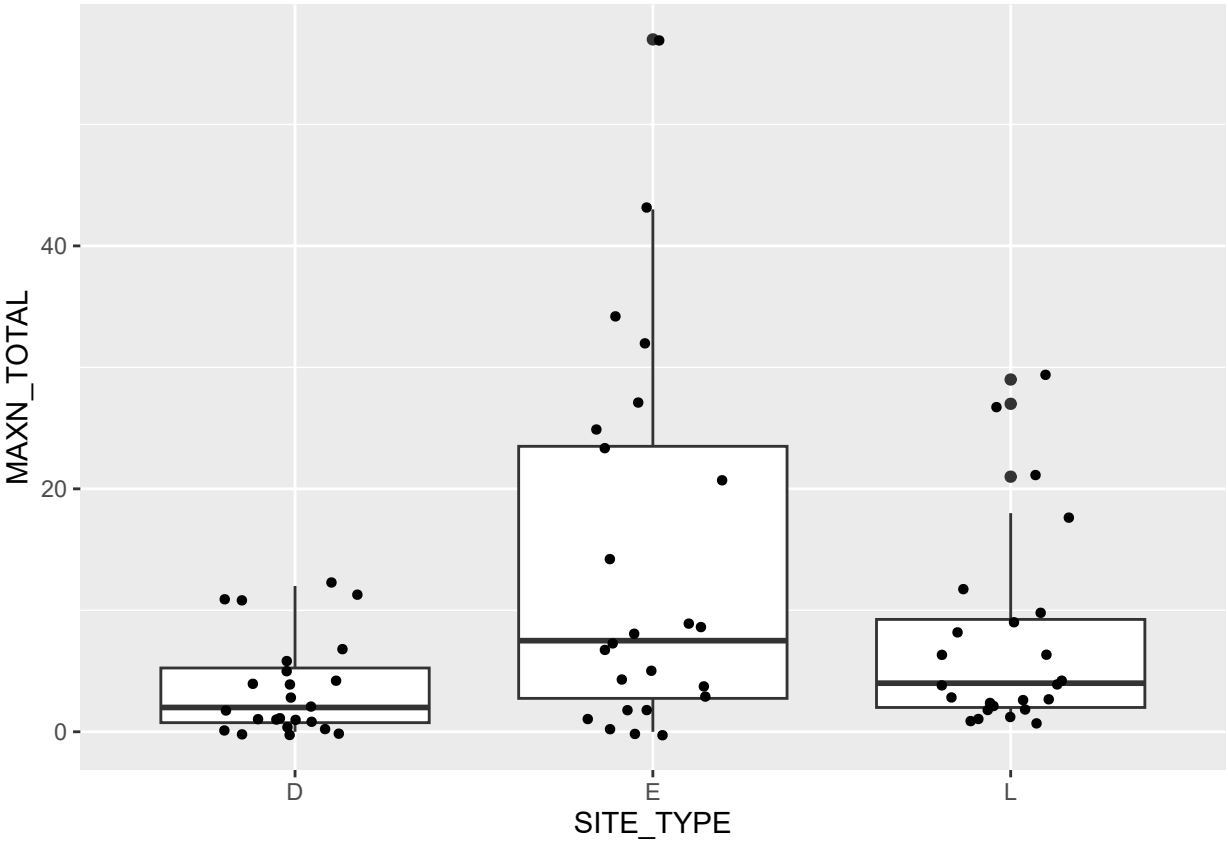
TOMPOTANA
DESA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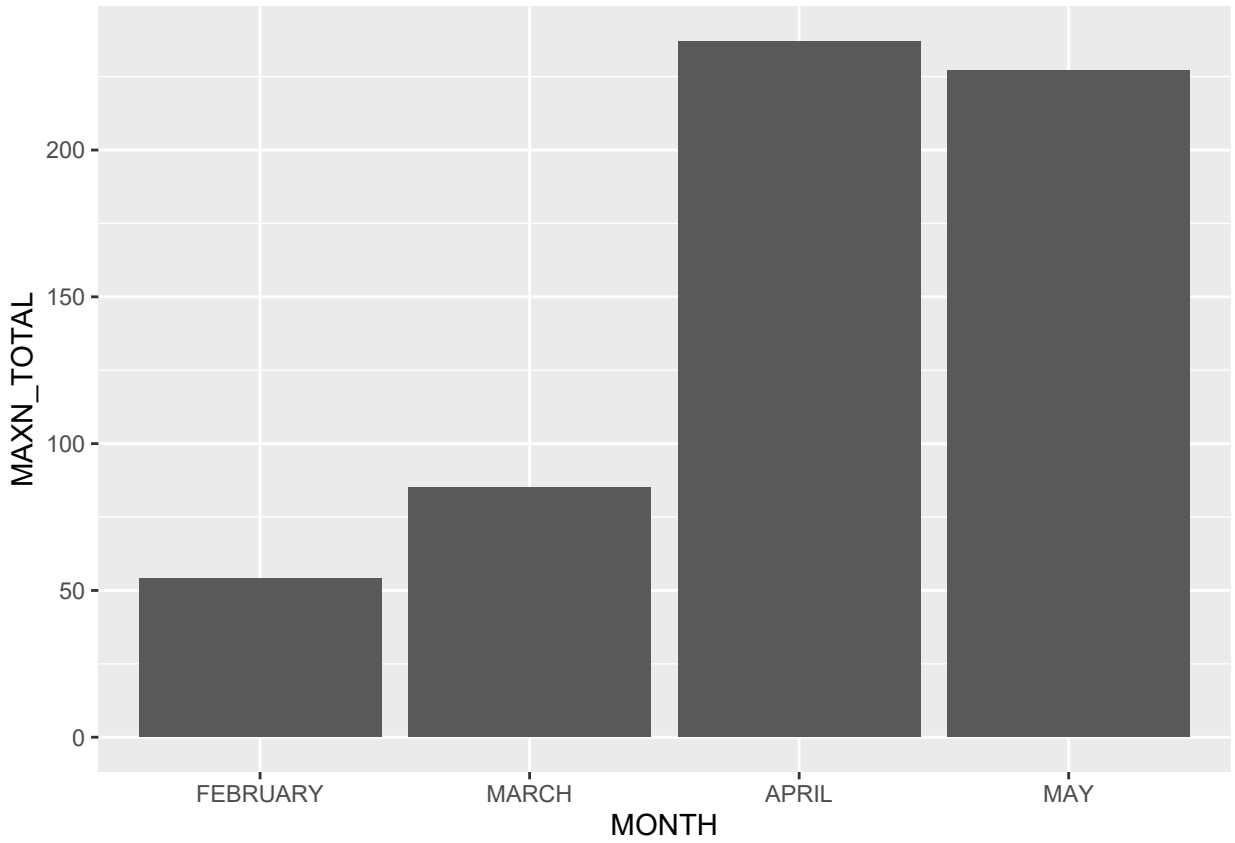
SITE_TYPE


MAXN_TOTAL
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100
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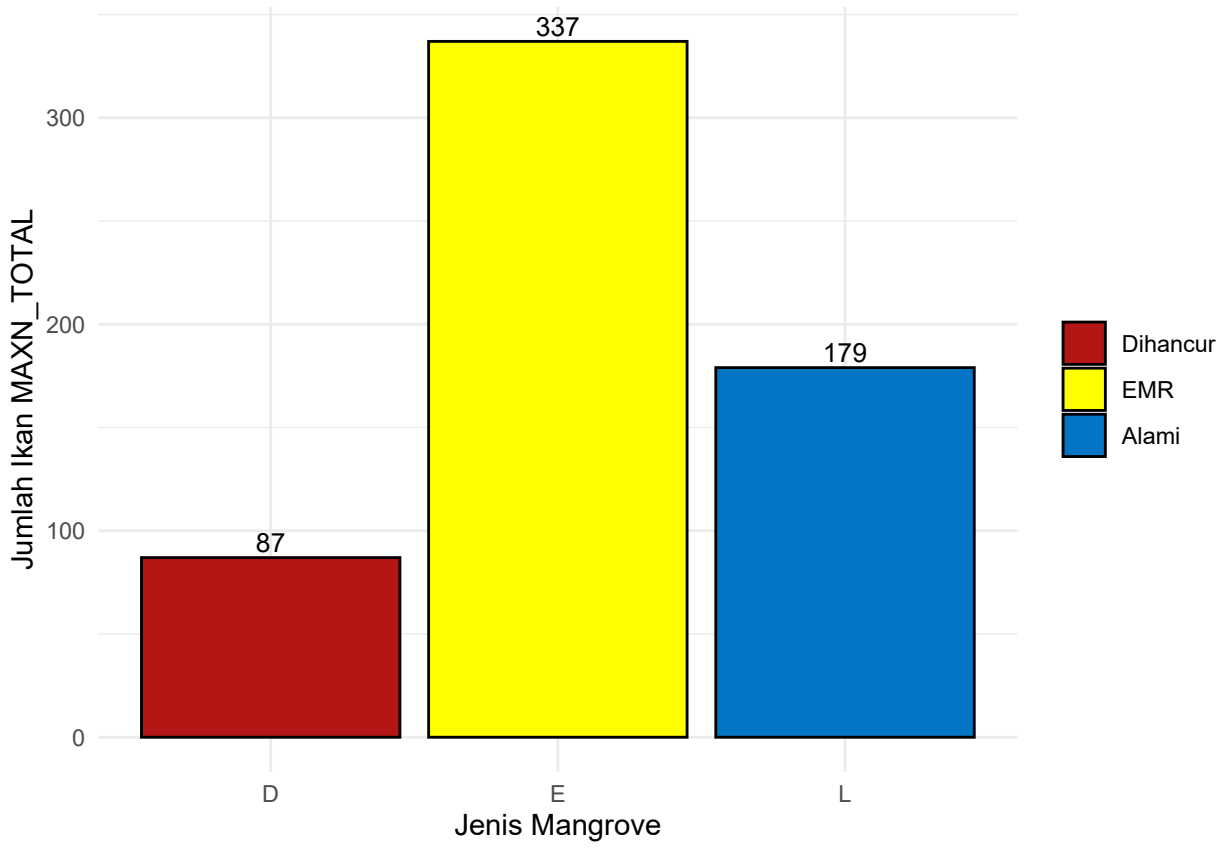
FEBRUARY
MARCH
APRIL
MAY
MONTH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Jumlah Ikan MAXN_TOTAL
D
E
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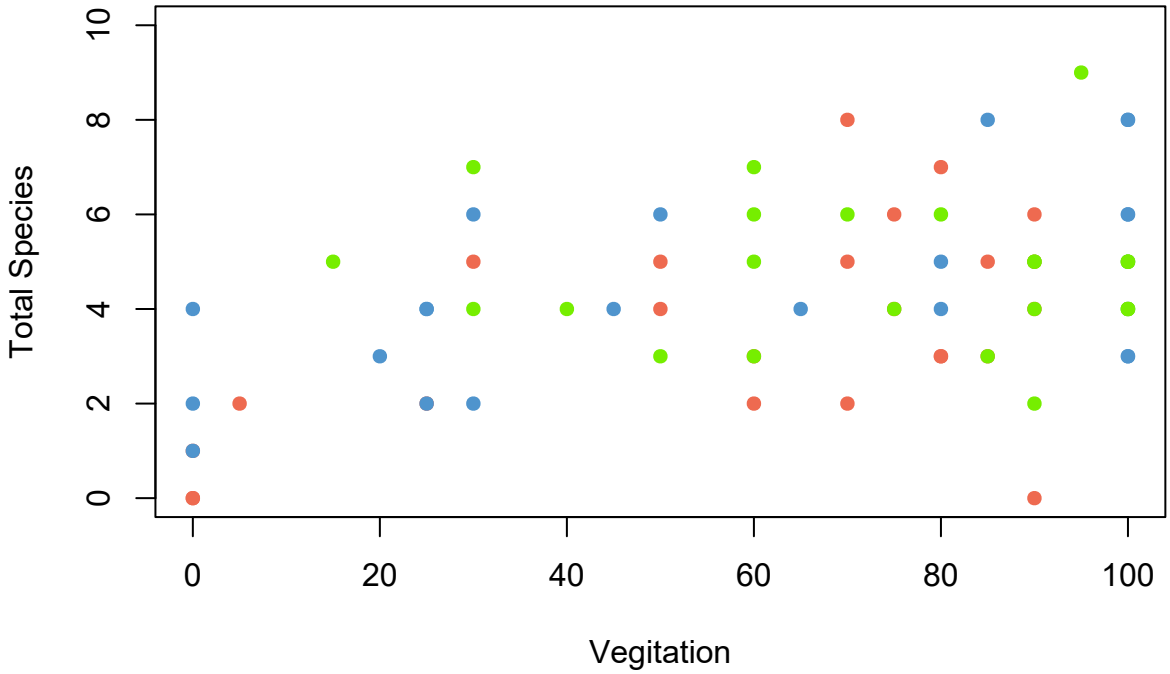
Jenis Mangrove
Dihancur
EMR
Alami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0
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80
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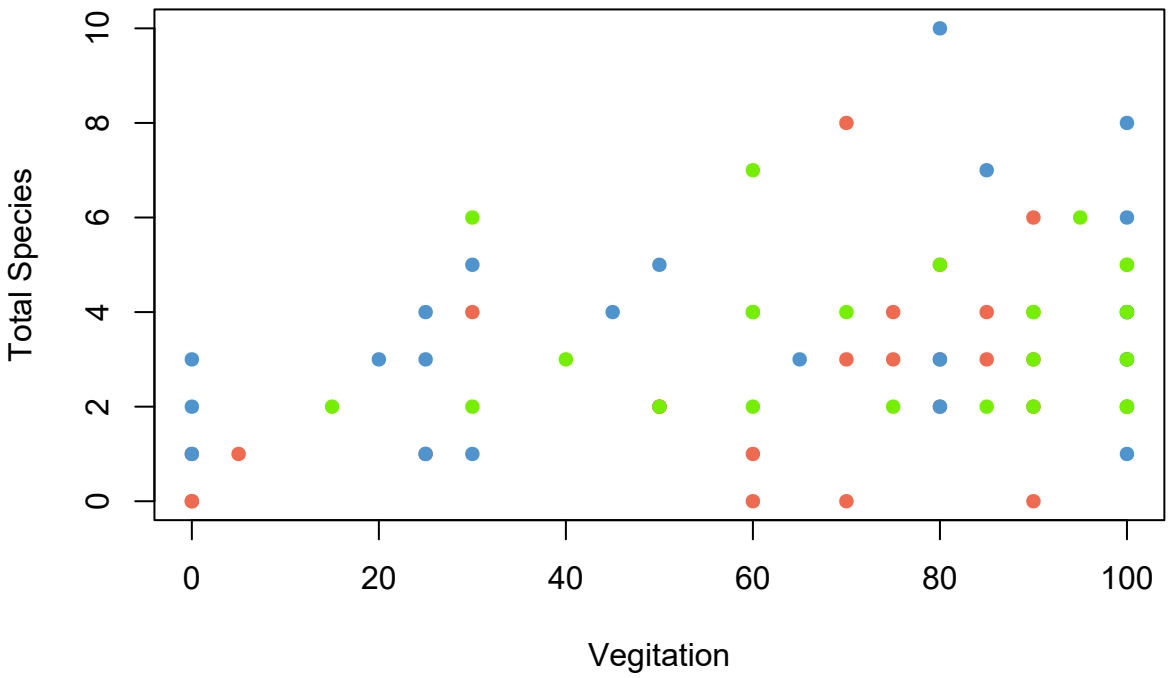
Vegitation


Total Species
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6
8
10
0
20
40
60
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Vegitation