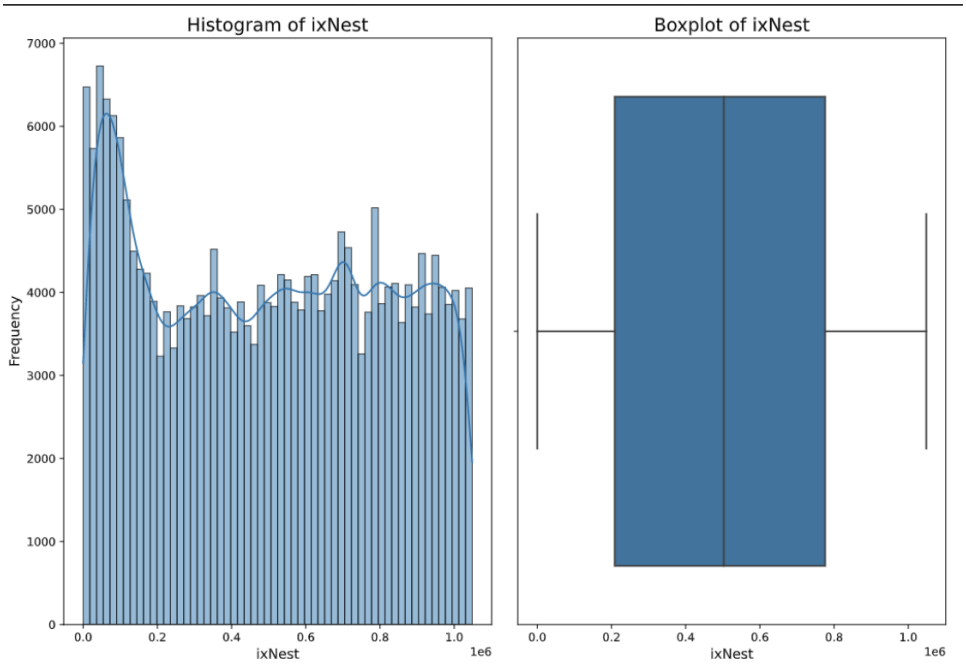
1. **ixNest (Note: I dont think it tells us much about how it affects the crop utilization, more of just explaining the index of the key clusters.)**

Data Type: Int IDENTITY(1, 1) PRIMARY KEY CLUSTERED,
Definition: Nest record index

Clean Data Descriptive Values:
count 2.446960e+05
mean 4.999140e+05
std 3.147843e+05
min 2.000000e+00
25% 2.088028e+05
50% 5.027080e+05
75% 7.759132e+05
max 1.048547e+06

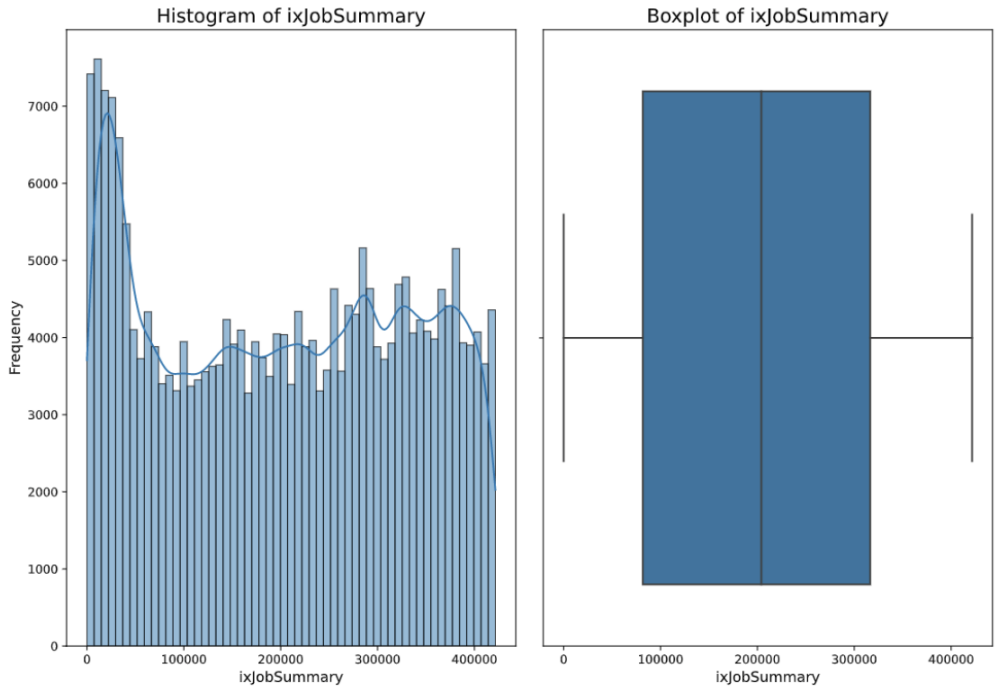


2. **ixJobSummary (Note: I dont think it tells us much about how it affects the crop utilization, more of just explaining the index of the key clusters.)**

Data Type: Int IDENTITY(1, 1) PRIMARY KEY CLUSTERED,
Definition: Record Index of job containing this nest or part

count 244696.000000
mean 201865.442247
std 128511.551563
min 2.000000
25% 81728.000000
50% 204067.000000

75% 316479.000000
max 421629.000000

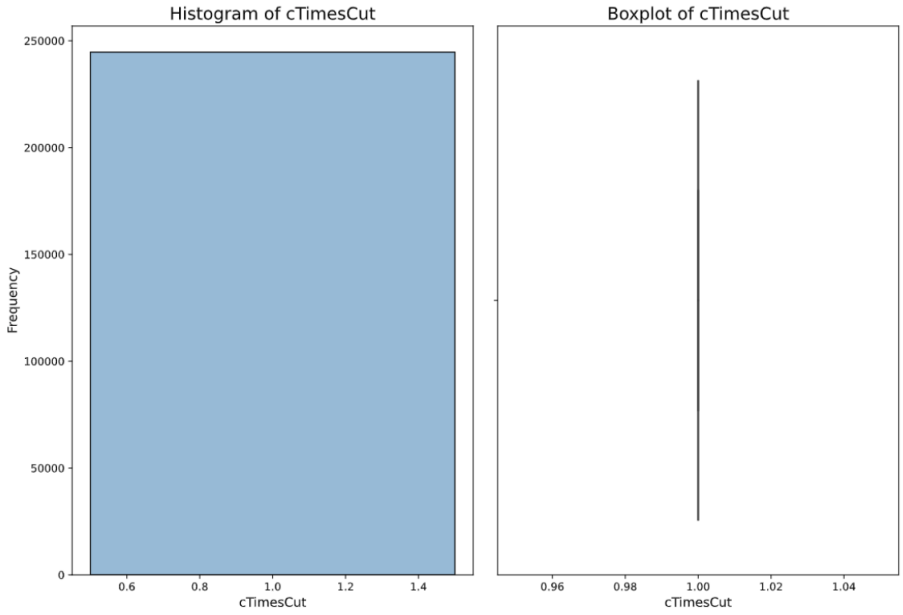


3. **cTimesCut**

Data Type: int

Definition: The number of times the nest will be cut

count 244696.0
mean 1.0
std 0.0
min 1.0
25% 1.0
50% 1.0
75% 1.0
max 1.0

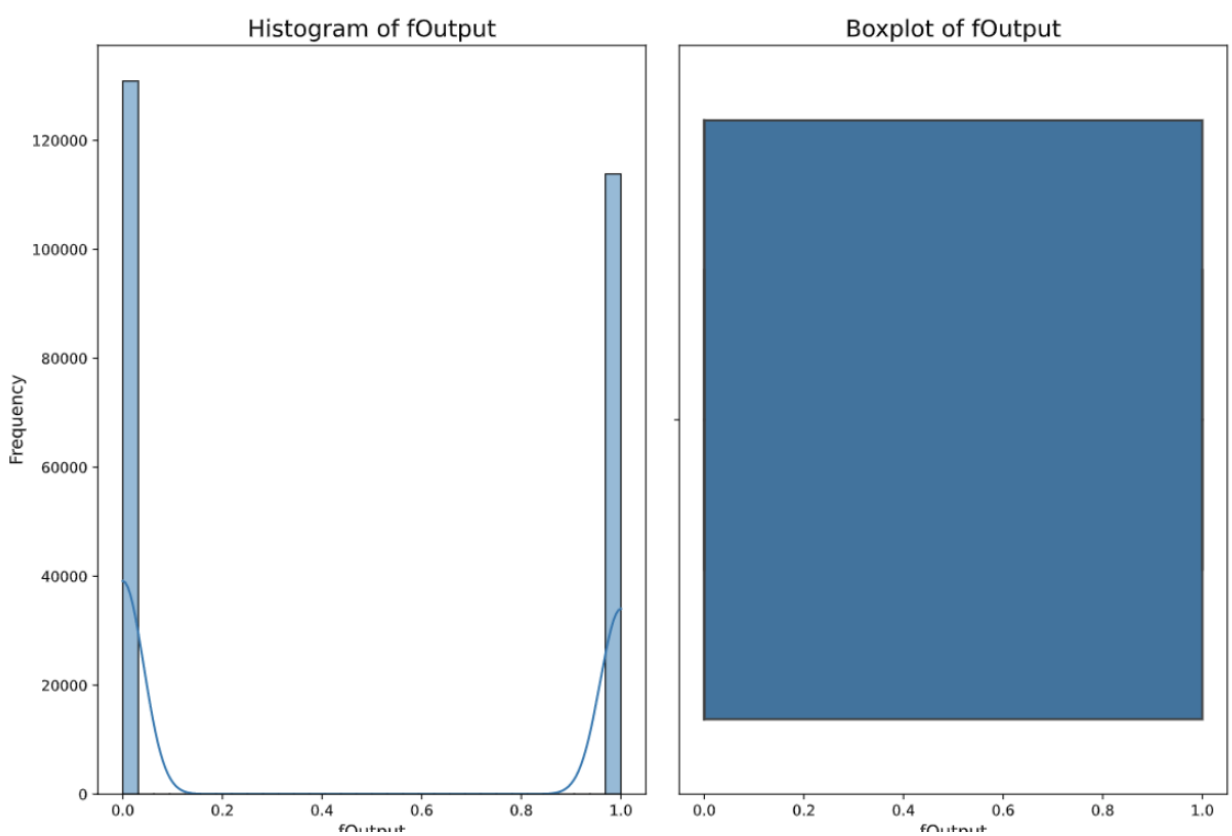


The number of times parts are cut seems to be occurring at the same frequency so possibly the number of cuts doesn't affect the crop utilization but how you cut it does?

4. **fOutput**

Data Type: tinyint
Definition: Has the nest been output?

count	**244696.000000**
mean	**0.465157**
std	**0.498785**
min	**0.000000**
25%	**0.000000**
50%	**0.000000**
75%	**1.000000**
max	**1.000000**



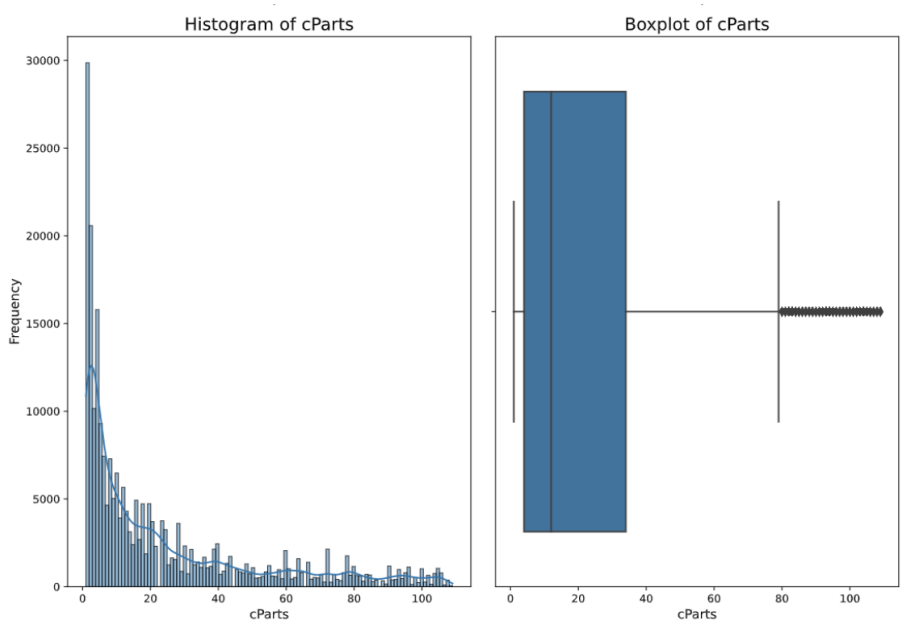
The information if the output has been nested is distributed between 1 and 0, which makes sense since the output is either nested or not nested. From what you can see in the figure, more times than not the output has not been nested.

5.cParts

Data Type: int

Definition: Total number of parts nested

count	**244696.000000**
mean	**23.485018**
std	**27.234019**
min	**1.000000**
25%	**4.000000**
50%	**12.000000**
75%	**34.000000**
max	**109.000000**

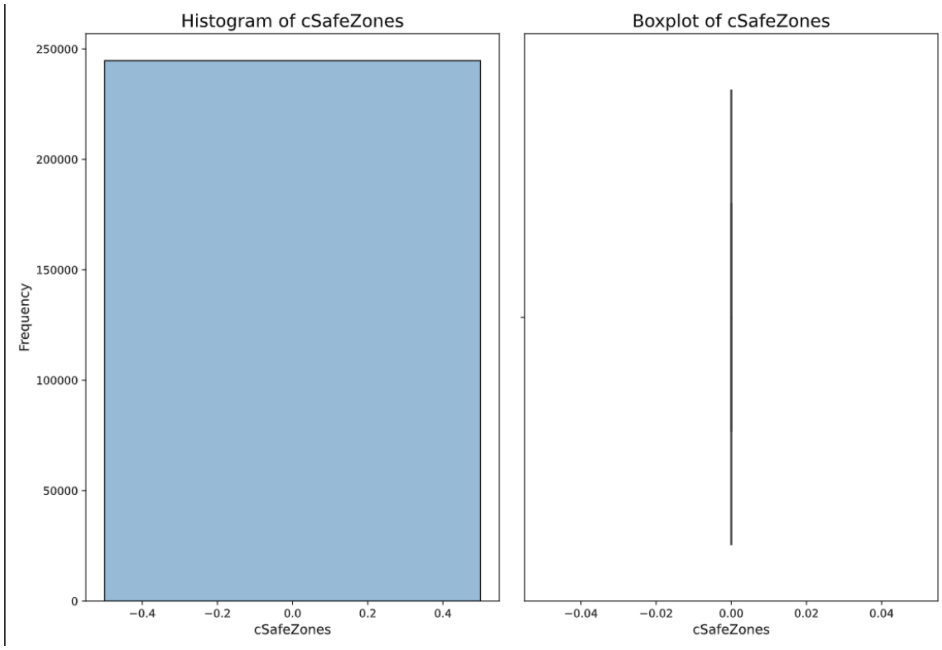


The data seems to be right skewed meaning that the data seems to congregate more towards the left side of the plot. The total number of parts that seem to be nested are be nested are frequently between 0 to 20.

6.cSafeZones

Data Type: int
Definition: Number of safe zones used on the nest

count	**244696.000000**
mean	**23.485018**
std	**27.234019**
min	**1.000000**
25%	**4.000000**
50%	**12.000000**
75%	**34.000000**
max	**109.000000**



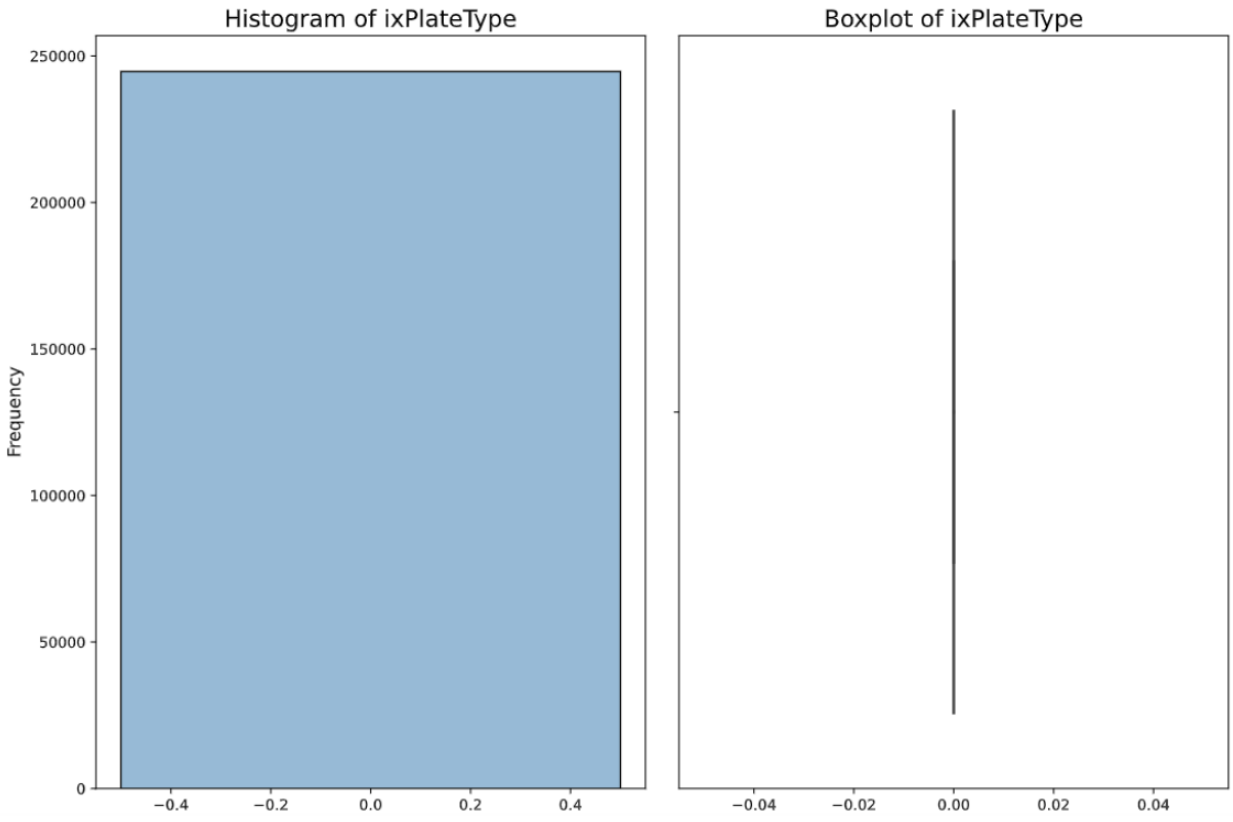
The csafezones has the same value of frequencies between -0.4 and 0.4. Not much else in terms of information.

6.ixPlateType

Data Type: int

Definition: Number of safe zones used on the nest

count	**244696.0**
mean	**0.0**
std	**0.0**
min	**0.0**
25%	**0.0**
50%	**0.0**
75%	**0.0**
max	**0.0**

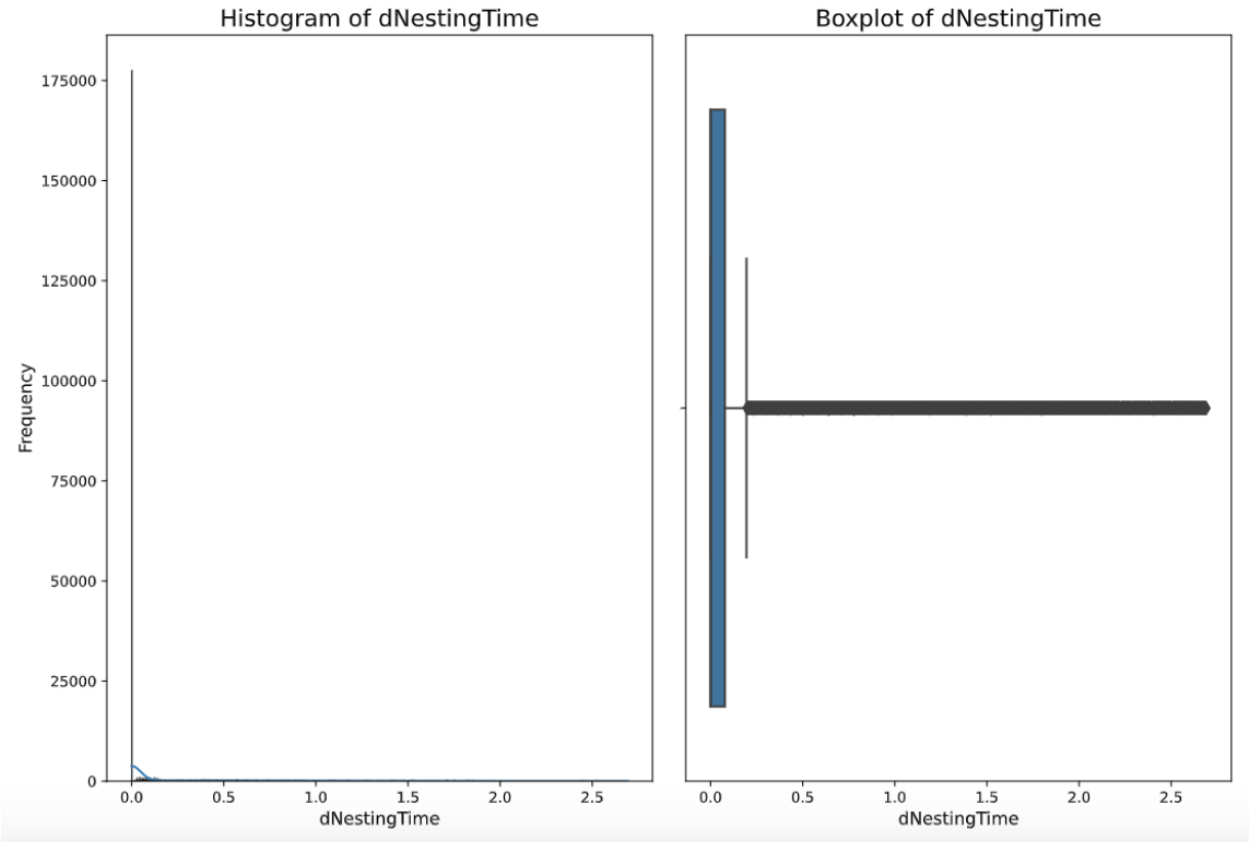


7. dNestingTime

Data Type: int

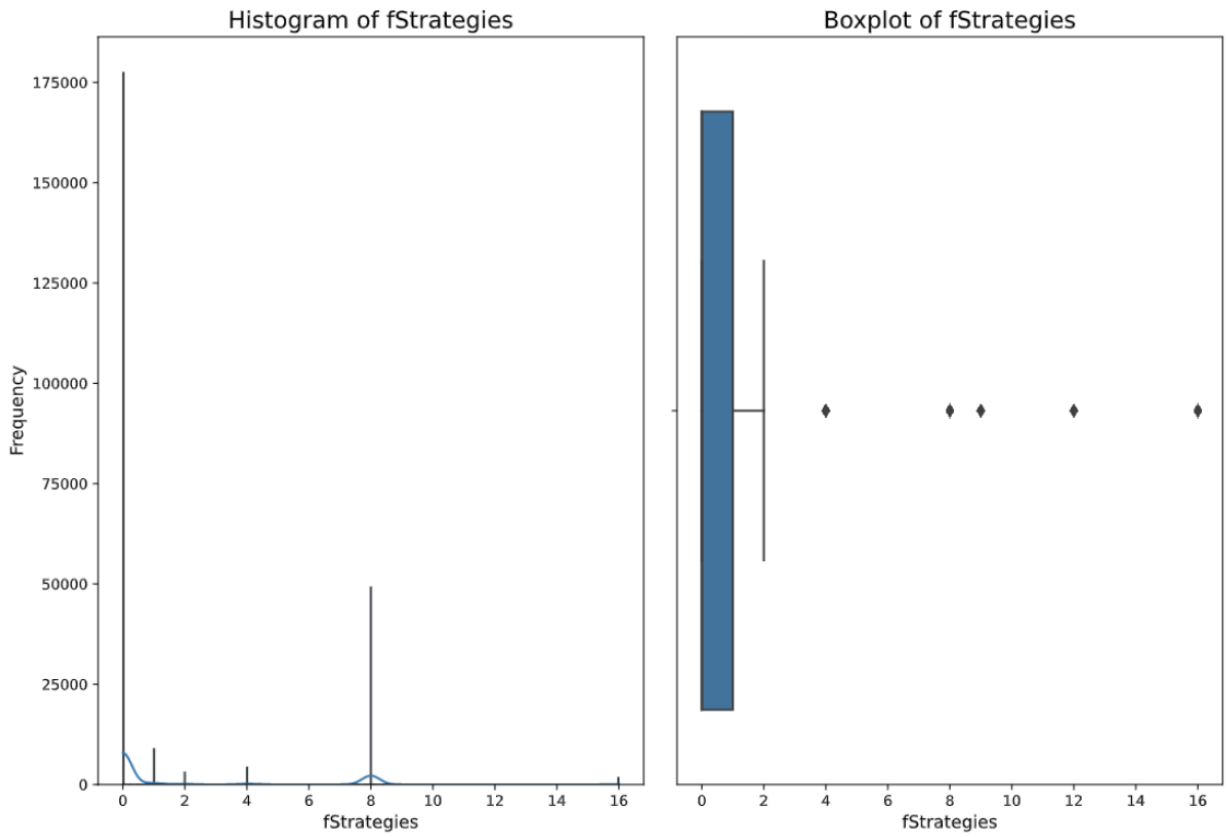
Definition: Number of safe zones used on the nest

count	**244696.000000**
mean	**0.255325**
std	**0.568401**
min	**0.000000**
25%	**0.000000**
50%	**0.000000**
75%	**0.078000**
max	**2.692000**



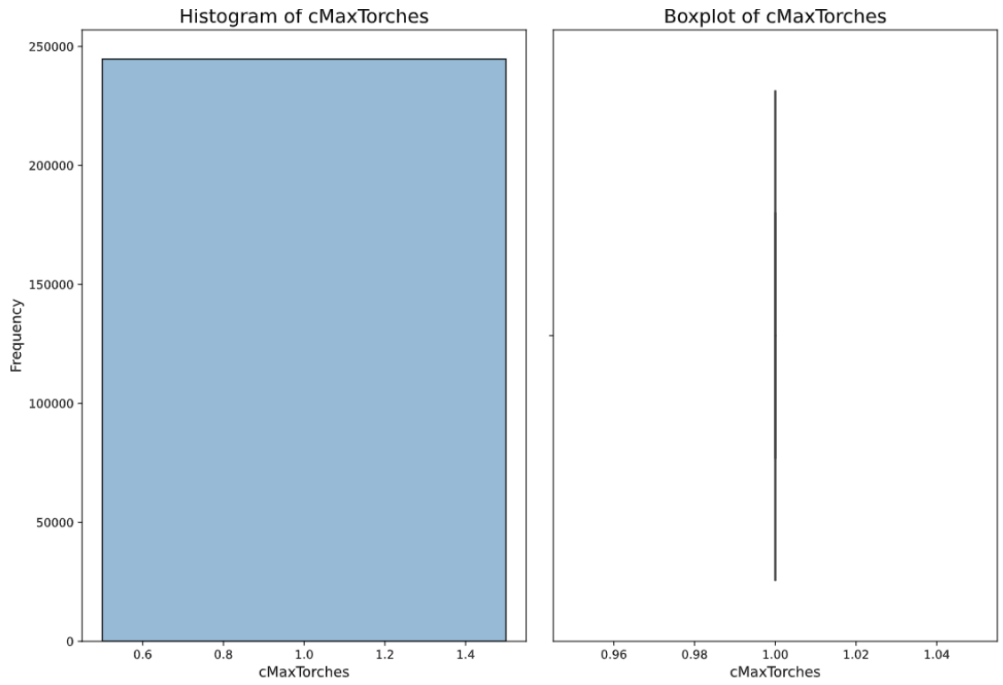
8. fStrategies
Data Type: int
Definition: Number of safe zones used on the nest

count	**244696.000000**
mean	**1.855114**
std	**3.410276**
min	**0.000000**
25%	**0.000000**
50%	**0.000000**
75%	**1.000000**
max	**16.000000**



9. cMaxTorches
Data Type: int
Definition: Number of safe zones used on the nest

count	**244696.0**
mean	**1.0**
std	**0.0**
min	**1.0**
25%	**1.0**
50%	**1.0**
75%	**1.0**
max	**1.0**



10. dMaxTorchSpacing

Data Type: int
Definition: Number of safe zones used on the nest

count	**244696.0**
mean	**0.0**
std	**0.0**
min	**0.0**
25%	**0.0**
50%	**0.0**
75%	**0.0**
max	**0.0**

11. dLength
Data Type: int
Definition: Number of safe zones used on the nest

count	**244696.000000**
mean	**113.047101**
std	**23.441202**
min	**24.000000**
25%	**96.000000**
50%	**120.000000**
75%	**120.000000**
max	**216.000000**

12. dWidth

count	244696.000000
mean	56.707070
std	8.857813
min	30.000000
25%	48.000000
50%	60.000000
75%	60.000000
max	78.000000

13. dArea

count	244696.000000
mean	6500.716835
std	1876.957729
min	750.000000
25%	4704.000000
50%	7200.000000
75%	7200.000000
max	11076.000000

14.ixMaterial

count	244696.000000
mean	42.547287
std	85.471055
min	1.000000
25%	4.000000
50%	7.000000
75%	38.000000
max	441.000000

15.dlengthUsed

count	244696.000000
mean	85.172995
std	42.830929
min	-0.999000
25%	46.107500
50%	98.507100
75%	119.113900
max	214.207300

16. dWidthUsed

count	244696.000000
mean	49.041148
std	14.996256
min	10.191800
25%	42.525975
50%	51.362300
75%	59.607400
max	87.976800

17. dCropUtil

count	244696.000000
mean	52.943143
std	28.139143
min	0.000000
25%	30.251400
50%	60.201500
75%	75.460875
max	141.053100

18. dPartArea

count	244696.000000
mean	3239.729997
std	2309.002157
min	0.000000
25%	1061.500000
50%	3353.324200
75%	4974.830300
max	10736.554700

18. dTrueArea

count	244696.000000
mean	5054.750032
std	2910.823518
min	0.000000
25%	2331.469300
50%	5760.000000
75%	7200.000000
max	13307.230400

18.