STATISTICAL CONSULTING HW2

R26131086

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1. Data discription

Variable	Data Type	Definition	Note
family	character	Name of the family of mushroom species	Multinomial
name	character	Name of the mushroom species	Multinomial
class	binary	Edibility classification	p = poisonous, e = edible
cap-diameter	metrical	Cap diameter in cm	Min & Max values or Mean
cap-shape	nominal	Shape of the mushroom cap	b = bell, c = conical, x = convex, f = flat, s = sunken, p = spherical, o = others
cap-surface	nominal	Surface texture of the cap	i = fibrous, g = grooves, y = scaly, s = smooth, h = shiny,I = leathery, k = silky, t = sticky,w = wrinkled, e = fleshy
cap-color	nominal	Cap color	n = brown, b = buff, g = gray, r = green, p = pink, u = purple, e = red, w = white, y = yellow, I = blue, o = orange, k = black
does-bruise- bleed	nominal	Whether the mushroom bruises or bleeds	t = true, f = false

Variable	Data Type	Definition	Note
gill-attachment	nominal	How the gills attach to the stem	a = adnate, x = adnexed, d = decurrent, e = free, s = sinuate, p = pores, f = none, ? = unknown
gill-spacing	nominal	Distance between gills	c = close, d = distant, f = none
gill-color	nominal	Color of the gills	Same as cap-color + f = none
stem-height	metrical	Height of the mushroom stem in cm	Min & Max values or Mean
stem-width	metrical	Width of the mushroom stem in mm	Min & Max values or Mean
stem-root	nominal	Type of root structure	b = bulbous, s = swollen, c = club, u = cup, e = equal, z = rhizomorphs, r = rooted
stem-surface	nominal	Surface texture of the stem	Same as cap-surface + f = none
stem-color	nominal	Color of the stem	Same as cap-color + f = none
veil-type	nominal	Type of veil	p = partial, u = universal
veil-color	nominal	Color of the veil	Same as cap-color + f = none
has-ring	nominal	Whether the mushroom has a ring	t = true, f = none
ring-type	nominal	Type of ring	c = cobwebby, e = evanescent, r = flaring, g = grooved, I = large, p = pendant, s = sheathing, z = zone, y = scaly, m = movable, f = none, ? = unknown
spore-print-color	nominal	Color of the spore print	Same as cap-color
habitat	nominal	Where the mushroom is found	g = grasses, I = leaves, m = meadows, p = paths, h = heaths, u = urban, w = waste, d = woods
season	nominal	Season when the mushroom grows	s = spring, u = summer, a = autumn, w = winter

2. Data checking and fixing

```
mushdata <- read.csv("C:/Users/r2613/Rstudio/StatCons_hw/HW2/mushroom/primary_data.csv",</pre>
                      sep=";")
library(tidyr)
library(dplyr)
mushdata <- mushdata %>%
  mutate(
    cap.diameter_min = as.numeric(gsub("\\[|,.*|\\]", "", cap.diameter)),
    cap.diameter_max = as.numeric(gsub("\\[|.* |\\]", "", cap.diameter)),
    stem.height_min = as.numeric(gsub("\\[|,.*|\\]", "", stem.height)),
    stem.height_max = as.numeric(gsub("\\[|.* |\\]", "", stem.height)),
    stem.width_min = as.numeric(gsub("\\[|,.*|\\]", "", stem.width)),
    stem.width_max = as.numeric(gsub("\\[|.* |\\]", "", stem.width))
variab_to_clean <- names(mushdata)[sapply(mushdata, function(x) any(grepl("\\[|\\]", x)))]</pre>
variab_to_clean <- c(variab_to_clean, "family", "class")</pre>
mushdata[variab_to_clean] <- lapply(mushdata[variab_to_clean], function(x) {</pre>
  as.factor(gsub("\\[|\\]", "", as.character(x)))})
mushdata <- mushdata[, !(names(mushdata) %in%</pre>
                            c("cap.diameter", "stem.height", "stem.width",
                              "stem.height", "stem.width"))]
```

str(mushdata)

```
'data.frame': 173 obs. of 26 variables:
                      : Factor w/ 23 levels "Amanita Family",..: 1 1 1 1 1 1 1 1 1 3 13 ...
$ family
$ name
                      : chr "Fly Agaric" "Panther Cap" "False Panther Cap" "The Blusher" ...
                      : Factor w/ 2 levels "e", "p": 2 2 2 1 2 1 2 1 1 1 ...
$ class
                      : Factor w/ 27 levels "b", "b, f", "b, f, s",...: 23 18 23 23 23 22 1 8 17 22 ...
$ cap.shape
$ Cap.surface
                      : Factor w/ 41 levels "","d","d, e, y, i",..: 12 11 1 1 16 1 34 19 40 10 ...
$ cap.color
                     : Factor w/ 67 levels "b", "b, p, e, y",...: 8 26 14 26 49 61 56 26 58 26 ...
$ does.bruise.or.bleed: Factor w/ 2 levels "f","t": 1 1 1 2 1 1 1 1 1 2 ...
$ gill.attachment
                     : Factor w/ 9 levels "", "a", "a, d",...: 5 5 5 1 1 5 5 5 1 5 ...
                     : Factor w/ 4 levels "", "c", "d", "f": 1 1 1 1 2 1 2 1 1 1 ...
$ gill.spacing
$ gill.color
                     : Factor w/ 59 levels "b", "b, p, w",...: 38 38 38 38 38 38 38 38 38 38 ...
                      : Factor w/ 6 levels "","b","c","f",..: 6 1 1 2 1 2 1 1 6 1 ...
$ stem.root
                     : Factor w/ 15 levels "","f","g","h",..: 14 14 1 1 1 1 14 11 1 1 ...
$ stem.surface
$ stem.color
                     : Factor w/ 41 levels "b, u", "e", "e, n", ...: 32 32 32 32 32 37 32 34 16 32 ...
                     : Factor w/ 2 levels "","u": 2 2 2 2 2 2 2 1 1 ...
$ veil.type
                     : Factor w/ 8 levels "","e, n","k",..: 6 6 6 6 6 6 6 1 1 ...
$ veil.color
                     : Factor w/ 2 levels "f", "t": 2 2 2 2 2 2 2 1 2 2 ...
$ has.ring
$ ring.type : Factor w/ 14 levels "","e","e, g",..: 6 12 3 5 6 5 8 4 11 1 ...
$ Spore.print.color : Factor w/ 9 levels "", "g", "k", "k, r",...: 1 1 1 1 1 1 1 1 1 1 ...
$ habitat
                     : Factor w/ 21 levels "d", "d, h", "g",...: 1 1 1 1 1 1 1 1 1 8 4 ...
                     : Factor w/ 10 levels "a", "a, w", "s", ...: 10 9 9 9 9 9 9 9 9 9 ...
$ season
```

```
$ cap.diameter_min
                             : num
                                      10 5 10 5 5 4 5 4 10 12 ...
 $ cap.diameter_max
                             : num
                                      20 10 15 15 12 9 10 8 25 18 ...
                                      15 6 10 7 10 5 10 10 15 8 ...
 $ stem.height_min
                             : num
 $ stem.height_max
                             : num
                                      20 10 12 15 12 7 15 15 35 12 ...
 $ stem.width_min
                                      15 10 10 10 10 10 10 10 15 15 ...
                               num
 $ stem.width_max
                                      20 20 20 25 20 15 15 15 25 20 ...
                             : num
library(Hmisc)
latex(describe(mushdata),file="")
                                                   mushdata
s 173 Observations
                                      26 Variables
family
                 distinct
        missing
 173
lowest : Amanita Family
                           Bolbitius Family
                                             Bolete Family
                                                                Bracket Fungi
                                                                                  Chanterelle Family
highest: Russula Family
                           Saddle-Cup Family Stropharia Family Tricholoma Family Wax Gill Family
name
       missing
0
                 distinct
 173
                    173
lowest : Amethyst Deceiver
highest: Yellow-gilled Russula
                                 Aniseed Funnel Cap Apricot Fungus Bare-toothed Russula Yellow-staining Mushroom Yellow-stemmed Bell Cap Yellow Swamp Russula
                                                                                                         Bay Bolete
Yellow Wax cap
class
       missing
                 distinct
 173
Value
             77
Frequency
Proportion 0.445 0.555
                                                                                        cap.shape
       missing
                 distinct
27
 n
173
lowest : b
                b, f b, f, s b, x b, x, f, highest: x, f
                                                                x, f, s x, o
                                                                                x, p
Cap.surface
                                                                                        L.......
       missing
                 distinct
 n
173
lowest :
highest: t, w, d
                              d, k, s
y, s
cap.color
       missing
0
                 distinct
lowest : b highest: y
                                                 e e, n
y, o, g, n, r y, o, r, n
```

does.bruise.or.bleed	
n missing distinct 173 0 2	
Value f t Frequency 143 30 Proportion 0.827 0.173	
gill.attachment	11.1
n missing distinct 173 0 9	
Value a a, d d e f p s x Frequency 28 32 8 25 16 10 17 16 21 Proportion 0.162 0.185 0.046 0.145 0.092 0.058 0.098 0.092 0.121	
gill.spacing	l I
n missing distinct 173 0 4	
Value c d f Frequency 71 70 22 10 Proportion 0.410 0.405 0.127 0.058	
gill.color	
n missing distinct 173 0 59	
lowest: b b, p, w b, u e f , highest: y, n y, o, e y, r y	, r, k y, w
stem.root	
n missing distinct 173 0 6	
Value b c f r s Frequency 146 9 2 3 4 9 Proportion 0.844 0.052 0.012 0.017 0.023 0.052	
stem.surface	1
n missing distinct 173 0 15	
Value f g h i i, s i, t i, y k k, s s s, h Frequency 108 3 5 1 11 1 1 1 1 4 1 15 1 Proportion 0.624 0.017 0.029 0.006 0.064 0.006 0.006 0.006 0.023 0.006 0.087 0.006 0	t y 7 13 .040 0.075
Value y, s Frequency 1 Proportion 0.006	
stem.color	L
n missing distinct 173 0 41	

lowest: b, u e e, n e, u, y e, y , highest: w, y y y, e, n y, n y, o, k

veil.type	
n missing distinct 173 0 2	
Value u Frequency 164 9 Proportion 0.948 0.052	
veil.color n missing distinct 173 0 8	T
Value e, n k n u w y y, w Frequency 152 1 1 1 1 15 1 1 Proportion 0.879 0.006 0.006 0.006 0.006 0.006 0.006	
has.ring	
n missing distinct 173 0 2	
Value f t Frequency 130 43 Proportion 0.751 0.249	
ring.type n missing distinct 173 0 14	l
Value e e, g f g g, p 1 1, e 1, p 1, r m p 7 Frequency 7 6 1 137 2 2 2 1 1 2 1 2 1 Proportion 0.040 0.035 0.006 0.792 0.012 0.012 0.012 0.006 0.006 0.012 0.006 0.012 0.012	3 6
Spore.print.color	1
n missing distinct 173 0 9	
Value g k k, r k, u n p p, w w Frequency 155 1 5 1 1 3 3 1 3 Proportion 0.896 0.006 0.029 0.006 0.006 0.017 0.017 0.006 0.017	
habitat	1
n missing distinct 173 0 21	
lowest: d d, h g g, d g, d, h, highest: m m, d m, h p, d	W
season	
n missing distinct 173 0 10	
Value a a, w s s, a, w s, u s, u, as, u, as, w Frequency 16 15 1 1 3 5 13 Proportion 0.092 0.087 0.006 0.006 0.017 0.029 0.075	
Value u u, a u, a, w Frequency 1 106 12 Proportion 0.006 0.613 0.069	

cap.diameter_min	alitha
n missing distinct Info Mean pMedian Gmd .05 .10 173 0 14 0.976 4.043 3.5 3.038 1 1	.25 .50 .75 .90 .95 2 3 5 7 8
Value 0.4 0.5 0.7 1.0 2.0 3.0 4.0 5.0 6.0 7.0 8 Frequency 2 4 1 17 39 24 26 29 11 4 Proportion 0.012 0.023 0.006 0.098 0.225 0.139 0.150 0.168 0.064 0.023 0.0	5.0 10.0 12.0 50.0 9 4 2 1 52 0.023 0.012 0.006
For the frequency table, variable is rounded to the nearest 0	
cap.diameter_max	antial Carrer .
n missing distinct Info Mean pMedian Gmd .05 .10 173 0 20 0.991 9.435 8.5 6.548 2 3	.25 .50 .75 .90 .95 5 8 12 15 20
Value 1.0 1.3 1.5 2.0 3.0 4.0 5.0 6.0 7.0 8.0 9 Frequency 3 1 4 7 6 12 18 16 7 16 Proportion 0.017 0.006 0.023 0.040 0.035 0.069 0.104 0.092 0.040 0.092 0.0	3 28 18 3 17 0.162 0.104 0.017
Value 15.0 18.0 20.0 25.0 30.0 50.0 Frequency 15 3 5 5 2 1 Proportion 0.087 0.017 0.029 0.029 0.012 0.006	
For the frequency table, variable is rounded to the nearest 0	
stem.height_min	
n missing distinct Info Mean pMedian Gmd .05 .10 173 0 12 0.957 4.306 4 2.233 2.0 2.0	.25 .50 .75 .90 .95 3.0 4.0 5.0 6.8 8.0
Value 0 1 2 3 4 5 6 7 8 10 Frequency 3 2 21 38 52 24 15 3 7 5 Proportion 0.017 0.012 0.121 0.220 0.301 0.139 0.087 0.017 0.040 0.029 0.0 For the frequency table, variable is rounded to the nearest 0	12 15 1 2 06 0.012
stem.height_max	til.la.a
n missing distinct Info Mean pMedian Gmd .05 .10	.25 .50 .75 .90 .95 6.0 8.0 10.0 14.8 15.0
n missing distinct Info Mean pMedian Gmd .05 .10 173 0 19 0.977 8.873 8 4.37 4.0 5.0	.25 .50 .75 .90 .95 6.0 8.0 10.0 14.8 15.0 11 12 14 15 1 12 1 10
n missing distinct Info Mean pMedian Gmd .05 .10 173 0 19 0.977 8.873 PMedian 8 4.37 4.0 5.0 Value 0 2 3 4 5 6 7 8 9 10 Frequency 3 1 2 6 14 25 16 37 2 35	.25 .50 .75 .90 .95 6.0 8.0 10.0 14.8 15.0 11 12 14 15 1 12 1 10
n missing distinct Info Mean pMedian Gmd .05 .10 173 0 19 0.977 8.873 PMedian Gmd .05 .10 5.0 Value 0 2 3 4 5 6 7 8 9 10 Frequency 3 1 2 6 14 25 16 37 2 35 Proportion 0.017 0.006 0.012 0.035 0.081 0.145 0.092 0.214 0.012 0.202 0.00 Value 18 20 25 30 35 Frequency 1 4 1 1 1	.25 .50 .75 .90 .95 6.0 8.0 10.0 14.8 15.0 11 12 14 15 1 12 1 10
n missing distinct Info Mean pMedian Gmd .05 .10 173 0 19 0.977 8.873 PMedian Gmd .05 .10 5.0 Value 0 2 3 4 5 6 7 8 9 10 Frequency 3 1 2 6 14 25 16 37 2 35 Proportion 0.017 0.006 0.012 0.035 0.081 0.145 0.092 0.214 0.012 0.202 0.00 Value 18 20 25 30 35 Frequency 1 4 1 1 1 1 Proportion 0.006 0.023 0.006 0.006 0.006	.25 .50 .75 .90 .95 6.0 8.0 10.0 14.8 15.0 11 12 14 15 1 12 1 10
n missing distinct Info Mean pMedian Gmd .05 .10 173 0 19 0.977 8.873 8 4.37 4.0 5.0 Value 0 2 3 4 5 6 7 8 9 10 Frequency 3 1 2 6 14 25 16 37 2 35 Proportion 0.017 0.006 0.012 0.035 0.081 0.145 0.092 0.214 0.012 0.202 0.00 Value 18 20 25 30 35 Frequency 1 4 1 1 1 1 Proportion 0.006 0.023 0.006 0.006 For the frequency table, variable is rounded to the nearest 0	.25 .50 .75 .90 .95 6.0 8.0 10.0 14.8 15.0 11 12 14 15 1 12 1 10 06 0.069 0.006 0.058
n missing distinct Info Mean pMedian Gmd .05 .10 173 0 19 0.977 8.873 pMedian Gmd .05 .10 Value 0 2 3 4 5 6 7 8 9 10 Frequency 3 1 2 6 14 25 16 37 2 35 Proportion 0.017 0.006 0.012 0.035 0.081 0.145 0.092 0.214 0.012 0.202 0.0 Value 18 20 25 30 35 Frequency 1 4 1 1 1 Proportion 0.006 0.023 0.006 0.006 For the frequency table, variable is rounded to the nearest 0 stem.width_min n missing distinct Info Mean pMedian Gmd .05 .10 173 0 16 0.98 8.529 8 6.804 1 2	.25 .50 .75 .90 .95 6.0 8.0 10.0 14.8 15.0 11 12 14 15 1 12 1 10 06 0.069 0.006 0.058 25 .50 .75 .90 .95 4 8 10 19 20
n missing distinct Info Mean pMedian Gmd .05 .10 173 0 19 0.977 8.873 8 4.37 4.0 5.0 Value 0 2 3 4 5 6 7 8 9 10 Frequency 3 1 2 6 14 25 16 37 2 35 Proportion 0.017 0.006 0.012 0.035 0.081 0.145 0.092 0.214 0.012 0.202 0.0 Value 18 20 25 30 35 Frequency 1 4 1 1 1 Proportion 0.006 0.023 0.006 0.006 For the frequency table, variable is rounded to the nearest 0 Stem.width_min n missing distinct Info Mean pMedian Gmd .05 .10 173 0 16 0.98 8.529 8 6.804 1 2 Value 0.0 0.5 1.0 2.0 3.0 4.0 5.0 6.0 7.0 8.0 10 Frequency 3 1 9 18 12 12 19 7 1 10	.25 .50 .75 .90 .95 6.0 8.0 10.0 14.8 15.0 11 12 14 15 1 12 1 10 06 0.069 0.006 0.058 25 .50 .75 .90 .95 4 8 10 19 20
n missing distinct Info Mean pMedian Gmd .05 .10 173 0 19 0.977 8.873 8 4.37 4.0 5.0 Value 0 2 3 4 5 6 7 8 9 10 Frequency 3 1 2 6 14 25 16 37 2 35 Proportion 0.017 0.006 0.012 0.035 0.081 0.145 0.092 0.214 0.012 0.202 0.0 Value 18 20 25 30 35 Frequency 1 4 1 1 1 Proportion 0.006 0.023 0.006 0.006 For the frequency table, variable is rounded to the nearest 0 stem.width_min n missing distinct Info Mean pMedian Gmd .05 .10 . 173 0 16 0.98 8.529 8 6.804 1 2 Value 0.0 0.5 1.0 2.0 3.0 4.0 5.0 6.0 7.0 8.0 10 Frequency 3 1 9 18 12 12 19 7 1 10 Proportion 0.017 0.006 0.052 0.104 0.069 0.069 0.110 0.040 0.006 0.058 0.2 Value 30.0 40.0 Frequency 1 1	.25 .50 .75 .90 .95 6.0 8.0 10.0 14.8 15.0 11 12 14 15 1 12 1 10 06 0.069 0.006 0.058 25 .50 .75 .90 .95 4 8 10 19 20
n missing distinct Info Mean pMedian Gmd .05 .10 173 0 19 0.977 8.873 8 4.37 4.0 5.0 Value 0 2 3 4 5 6 7 8 9 10 Frequency 3 1 2 6 14 25 16 37 2 35 Proportion 0.017 0.006 0.012 0.035 0.081 0.145 0.092 0.214 0.012 0.202 0.0 Value 18 20 25 30 35 Frequency 1 4 1 1 1 Proportion 0.006 0.023 0.006 0.006 For the frequency table, variable is rounded to the nearest 0 Stem.width_min n missing distinct Info Mean pMedian Gmd .05 .10 173 0 16 0.98 8.529 8 6.804 1 2 Value 0.0 0.5 1.0 2.0 3.0 4.0 5.0 6.0 7.0 8.0 10 Frequency 3 1 9 18 12 12 19 7 1 10 Proportion 0.017 0.006 0.052 0.104 0.069 0.069 0.110 0.040 0.006 0.058 0.2 Value 30.0 40.0 Frequency 1 1 Proportion 0.006 0.006	.25 .50 .75 .90 .95 6.0 8.0 10.0 14.8 15.0 11 12 14 15 1 12 1 10 06 0.069 0.006 0.058 25 .50 .75 .90 .95 4 8 10 19 20
n missing distinct Info Mean pMedian Gmd .05 .10 173 0 19 0.977 8.873 8 4.37 4.0 5.0 Value 0 2 3 4 5 6 7 8 9 10 Frequency 3 1 2 6 14 25 16 37 2 35 Proportion 0.017 0.006 0.012 0.035 0.081 0.145 0.092 0.214 0.012 0.202 0.0 Value 18 20 25 30 35 Frequency 1 4 1 1 1 Proportion 0.006 0.023 0.006 0.006 For the frequency table, variable is rounded to the nearest 0 Stem.width_min n missing distinct Info Mean pMedian Gmd .05 .10 173 0 16 0.98 8.529 8 6.804 1 2 Value 0.0 0.5 1.0 2.0 3.0 4.0 5.0 6.0 7.0 8.0 10 Frequency 3 1 9 18 12 12 19 7 1 10 Proportion 0.017 0.006 0.052 0.104 0.069 0.069 0.110 0.040 0.006 0.058 0.2 Value 30.0 40.0 Frequency 1 1 Proportion 0.006 0.006 For the frequency table, variable is rounded to the nearest 0	25 .50 .75 .90 .95 6.0 8.0 10.0 14.8 15.0 11 12 14 15 1 12 1 10 06 0.069 0.006 0.058 25 .50 .75 .90 .95 4 8 10 19 20 1.0 12.0 15.0 20.0 42 1 20 16 43 0.006 0.116 0.092

3. Table1

mushdata\$name <- NULL</pre>

library(table1)

table1(~.|class, mushdata)

	е	р	Overall
	(N=77)	(N=96)	(N=173)
family	-	•	
Amanita Family	3 (3.9%)	5 (5.2%)	8 (4.6%)
Bolbitius Family	1 (1.3%)	2 (2.1%)	3 (1.7%)
Bolete Family	11 (14.3%)	3 (3.1%)	14 (8.1%)
Bracket Fungi	1 (1.3%)	6 (6.3%)	7 (4.0%)
Chanterelle Family	3 (3.9%)	0 (0%)	3 (1.7%)
Cortinarius Family	0 (0%)	11 (11.5%)	11 (6.4%)
Crepidotus Family	0 (0%)	1 (1.0%)	1 (0.6%)
Ear-Pick Family	0 (0%)	1 (1.0%)	1 (0.6%)
Entoloma Family	1 (1.3%)	6 (6.3%)	7 (4.0%)
Hydnum Family	1 (1.3%)	0 (0%)	1 (0.6%)
Ink Cap Family	6 (7.8%)	7 (7.3%)	13 (7.5%)
Jelly Discs Family	0 (0%)	1 (1.0%)	1 (0.6%)
Lepiota Family	2 (2.6%)	1 (1.0%)	3 (1.7%)
Morel Family	1 (1.3%)	0 (0%)	1 (0.6%)
Mushroom Family	4 (5.2%)	1 (1.0%)	5 (2.9%)
Oyster Mushroom Family	2 (2.6%)	0 (0%)	2 (1.2%)
Paxillus Family	0 (0%)	3 (3.1%)	3 (1.7%)
Pluteus Family	2 (2.6%)	0 (0%)	2 (1.2%)
Russula Family	11 (14.3%)	16 (16.7%)	27 (15.6%)
Saddle-Cup Family	0 (0%)	1 (1.0%)	1 (0.6%)
Stropharia Family	1 (1.3%)	7 (7.3%)	8 (4.6%)
Tricholoma Family	23 (29.9%)	20 (20.8%)	43 (24.9%)
Wax Gill Family	4 (5.2%)	4 (4.2%)	8 (4.6%)
cap.shape			
b	2 (2.6%)	8 (8.3%)	10 (5.8%)
b, f	2 (2.6%)	3 (3.1%)	5 (2.9%)
b, f, s	0 (0%)	1 (1.0%)	1 (0.6%)
b, x	0 (0%)	3 (3.1%)	3 (1.7%)
b, x, f	0 (0%)	1 (1.0%)	1 (0.6%)
c	1 (1.3%)	2 (2.1%)	3 (1.7%)
c, f	0 (0%)	2 (2.1%)	2 (1.2%)
c, x	1 (1.3%)	0 (0%)	1 (0.6%)
c, x, f	1 (1.3%)	0 (0%)	1 (0.6%)
f	4 (5.2%)	4 (4.2%)	8 (4.6%)
f, s	3 (3.9%)	5 (5.2%)	8 (4.6%)
f, x	1 (1.3%)	1 (1.0%)	2 (1.2%)
0	1 (1.3%)	7 (7.3%)	8 (4.6%)
р	0 (0%)	1 (1.0%)	1 (0.6%)
р, b	1 (1.3%)	2 (2.1%)	3 (1.7%)
p, c, o	1 (1.3%)	0 (0%)	1 (0.6%)

	е	р	Overall
p, f	2 (2.6%)	0 (0%)	2 (1.2%)
p, x	3 (3.9%)	1 (1.0%)	4 (2.3%)
p, x, f	2 (2.6%)	0 (0%)	2 (1.2%)
s	4 (5.2%)	5 (5.2%)	9 (5.2%)
s, o	2 (2.6%)	0 (0%)	2 (1.2%)
x	23 (29.9%)	25 (26.0%)	48 (27.7%)
x, f	14 (18.2%)	15 (15.6%)	29 (16.8%)
x, f, s	7 (9.1%)	6 (6.3%)	13 (7.5%)
х, о	0 (0%)	1 (1.0%)	1 (0.6%)
x, p	1 (1.3%)	1 (1.0%)	2 (1.2%)
x, s	1 (1.3%)	2 (2.1%)	3 (1.7%)
Cap.surface	,	` ,	, ,
•	19 (24.7%)	21 (21.9%)	40 (23.1%)
d	4 (5.2%)	5 (S.2%)	9 (5.2%)
d, e, y, i	0 (0%)	1 (1.0%)	1 (0.6%)
d, k	1 (1.3%)	1 (1.0%)	2 (1.2%)
d, k, s	0 (0%)	1 (1.0%)	1 (0.6%)
d, s	1 (1.3%)	0 (0%)	1 (0.6%)
e	3 (3.9%)	2 (2.1%)	5 (2.9%)
e, k, s, h	0 (0%)	1 (1.0%)	1 (0.6%)
e, t, k	0 (0%)	1 (1.0%)	1 (0.6%)
e, y	1 (1.3%)	0 (0%)	1 (0.6%)
g	5 (6.5%)	7 (7.3%)	12 (6.9%)
g, h	0 (0%)	1 (1.0%)	1 (0.6%)
g, s, d	0 (0%)	1 (1.0%)	1 (0.6%)
g, s, h, t	1 (1.3%)	0 (0%)	1 (0.6%)
g, s, t	1 (1.3%)	0 (0%)	1 (0.6%)
h	3 (3.9%)	2 (2.1%)	5 (2.9%)
h, s, d	1 (1.3%)	0 (0%)	1 (0.6%)
h, s, t	0 (0%)	1 (1.0%)	1 (0.6%)
h, t	6 (7.8%)	4 (4.2%)	10 (5.8%)
h, t, w	0 (0%)	1 (1.0%)	1 (0.6%)
h, t, y	0 (0%)	1 (1.0%)	1 (0.6%)
i	0 (0%)	4 (4.2%)	4 (2.3%)
i, e	0 (0%)	1 (1.0%)	1 (0.6%)
i, y	2 (2.6%)	0 (0%)	2 (1.2%)
k	0 (0%)	4 (4.2%)	4 (2.3%)
k, e	0 (0%)	1 (1.0%)	1 (0.6%)
I	2 (2.6%)	2 (2.1%)	4 (2.3%)
S	8 (10.4%)	5 (5.2%)	13 (7.5%)
s, d	1 (1.3%)	0 (0%)	1 (0.6%)
s, h	0 (0%)	1 (1.0%)	1 (0.6%)
s, i	0 (0%)	1 (1.0%)	1 (0.6%)
s, t	2 (2.6%)	2 (2.1%)	4 (2.3%)
s, y	1 (1.3%)	2 (2.1%)	3 (1.7%)
t	2 (2.6%)	10 (10.4%)	12 (6.9%)
t, h	1 (1.3%)	1 (1.0%)	2 (1.2%)
t, h, s	1 (1.3%)	0 (0%)	1 (0.6%)
t, w, d	0 (0%)	1 (1.0%)	1 (0.6%)
w	2 (2.6%)	3 (3.1%)	5 (2.9%)
w, t	1 (1.3%)	0 (0%)	1 (0.6%)
	7 (9.1%)	7 (7.3%)	14 (8.1%)
у	, (3.170)	, (1.370)	

	e	р	Overall
y, s	1 (1.3%)	0 (0%)	1 (0.6%)
cap.color	_ (=,	- ()	_ (00000)
b	1 (1.3%)	0 (0%)	1 (0.6%)
b, p, e, y	0 (0%)	1 (1.0%)	1 (0.6%)
b, u	1 (1.3%)	0 (0%)	1 (0.6%)
e	0 (0%)	3 (3.1%)	3 (1.7%)
e, n	0 (0%)	2 (2.1%)	2 (1.2%)
e, n, p, w	0 (0%)	1 (1.0%)	1 (0.6%)
e, n, y	2 (2.6%)	0 (0%)	2 (1.2%)
e, o	0 (0%)	1 (1.0%)	1 (0.6%)
e, o, k	0 (0%)	1 (1.0%)	1 (0.6%)
e, p, w	0 (0%)	1 (1.0%)	1 (0.6%)
e, u, y	0 (0%)	1 (1.0%)	1 (0.6%)
g	0 (0%)	1 (1.0%)	1 (0.6%)
g, k	1 (1.3%)	1 (1.0%)	2 (1.2%)
g, n	6 (7.8%)	4 (4.2%)	10 (5.8%)
g, n, k	0 (0%)	1 (1.0%)	1 (0.6%)
g, r, k, n	0 (0%)	1 (1.0%)	1 (0.6%)
g, r, n	0 (0%)	2 (2.1%)	2 (1.2%)
g, u, n	0 (0%)	1 (1.0%)	1 (0.6%)
g, u, n, p	1 (1.3%)	0 (0%)	1 (0.6%)
k, n, w	1 (1.3%)	0 (0%)	1 (0.6%)
l, g, b, w	1 (1.3%)	0 (0%)	1 (0.6%)
l, k	0 (0%)	1 (1.0%)	1 (0.6%)
l, r, w	1 (1.3%)	0 (0%)	1 (0.6%)
l, u, g, n	1 (1.3%)	0 (0%)	1 (0.6%)
l, y	1 (1.3%)	0 (0%)	1 (0.6%)
n	22 (28.6%)	16 (16.7%)	38 (22.0%)
n ,w	1 (1.3%)	0 (0%)	1 (0.6%)
n, b	1 (1.3%)	1 (1.0%)	2 (1.2%)
n, e	1 (1.3%)	4 (4.2%)	5 (2.9%)
n, e, y	0 (0%)	1 (1.0%)	1 (0.6%)
n, g	3 (3.9%)	0 (0%)	3 (1.7%)
n, o	2 (2.6%)	2 (2.1%)	4 (2.3%)
n, o, e	1 (1.3%)	0 (0%)	1 (0.6%)
n, o, y, w	0 (0%)	1 (1.0%) 1 (1.0%)	1 (0.6%)
n, p, e	1 (1.3%)	0 (0%)	2 (1.2%) 1 (0.6%)
n, r, u, y	1 (1.3%) 1 (1.3%)	3 (3.1%)	4 (2.3%)
n, w	3 (3.9%)	6 (6.3%)	9 (5.2%)
n, y n, y, e	1 (1.3%)	0 (0.5%)	1 (0.6%)
n, y, w	1 (1.3%)	0 (0%)	1 (0.6%)
0	0 (0%)	2 (2.1%)	2 (1.2%)
o, b	1 (1.3%)	0 (0%)	1 (0.6%)
o, e, n, k	0 (0%)	1 (1.0%)	1 (0.6%)
o, n	1 (1.3%)	0 (0%)	1 (0.6%)
o, p, e	1 (1.3%)	0 (0%)	1 (0.6%)
o, y	0 (0%)	3 (3.1%)	3 (1.7%)
o, y, r	0 (0%)	1 (1.0%)	1 (0.6%)
p	0 (0%)	2 (2.1%)	2 (1.2%)
r	0 (0%)	1 (1.0%)	1 (0.6%)
r, l	0 (0%)	1 (1.0%)	1 (0.6%)
		-	•

	e	р	Overall
r, n	0 (0%)	1 (1.0%)	1 (0.6%)
r, p, y	0 (0%)	1 (1.0%)	1 (0.6%)
r, y	0 (0%)	1 (1.0%)	1 (0.6%)
u	0 (0%)	2 (2.1%)	2 (1.2%)
u, k	1 (1.3%)	0 (0%)	1 (0.6%)
w	6 (7.8%)	6 (6.3%)	12 (6.9%)
w, g	1 (1.3%)	1 (1.0%)	2 (1.2%)
w, n	2 (2.6%)	2 (2.1%)	4 (2.3%)
w, p, o	1 (1.3%)	0 (0%)	1 (0.6%)
w, u	0 (0%)	1 (1.0%)	1 (0.6%)
w, y	1 (1.3%)	1 (1.0%)	2 (1.2%)
w, y, g, n	0 (0%)	1 (1.0%)	1 (0.6%)
у	6 (7.8%)	4 (4.2%)	10 (5.8%)
y, n	0 (0%)	3 (3.1%)	3 (1.7%)
y, o	0 (0%)	1 (1.0%)	1 (0.6%)
y, o, g, n, r	0 (0%)	1 (1.0%)	1 (0.6%)
y, o, r, n	0 (0%)	1 (1.0%)	1 (0.6%)
does.bruise.or.bleed	,	, ,	
f	63 (81.8%)	80 (83.3%)	143 (82.7%)
t	14 (18.2%)	16 (16.7%)	30 (17.3%)
gill.attachment	,	, ,	,
3	10 (13.0%)	18 (18.8%)	28 (16.2%)
a	11 (14.3%)	21 (21.9%)	32 (18.5%)
a, d	5 (6.5%)	3 (3.1%)	8 (4.6%)
d	9 (11.7%)	16 (16.7%)	25 (14.5%)
e	10 (13.0%)	6 (6.3%)	16 (9.2%)
f	4 (5.2%)	6 (6.3%)	10 (5.8%)
р	12 (15.6%)	5 (5.2%)	17 (9.8%)
S	7 (9.1%)	9 (9.4%)	16 (9.2%)
x	9 (11.7%)	12 (12.5%)	21 (12.1%)
gill.spacing	,	, ,	,
3 . 3	31 (40.3%)	40 (41.7%)	71 (41.0%)
С	29 (37.7%)	41 (42.7%)	70 (40.5%)
d	13 (16.9%)	9 (9.4%)	22 (12.7%)
f	4 (5.2%)	6 (6.3%)	10 (5.8%)
gill.color	,	, ,	,
Ď	1 (1.3%)	0 (0%)	1 (0.6%)
b, p, w	0 (0%)	1 (1.0%)	1 (0.6%)
b, u	1 (1.3%)	0 (0%)	1 (0.6%)
e	0 (0%)	1 (1.0%)	1 (0.6%)
f	4 (5.2%)	6 (6.3%)	10 (5.8%)
g	3 (3.9%)	1 (1.0%)	4 (2.3%)
g, k	1 (1.3%)	1 (1.0%)	2 (1.2%)
g, n	1 (1.3%)	2 (2.1%)	3 (1.7%)
g, n, u	0 (0%)	1 (1.0%)	1 (0.6%)
g, p	1 (1.3%)	0 (0%)	1 (0.6%)
g, r, w	0 (0%)	1 (1.0%)	1 (0.6%)
g, u	0 (0%)	1 (1.0%)	1 (0.6%)
g, w	2 (2.6%)	0 (0%)	2 (1.2%)
g, w, y	1 (1.3%)	0 (0%)	1 (0.6%)
k, n	2 (2.6%)	4 (4.2%)	6 (3.5%)
k, p	0 (0%)	1 (1.0%)	1 (0.6%)
, t	· \ /	· · /	

	е	р	Overall
k, p, w	1 (1.3%)	0 (0%)	1 (0.6%)
n	3 (3.9%)	8 (8.3%)	11 (6.4%)
n, e, y	0 (0%)	1 (1.0%)	1 (0.6%)
n, p	0 (0%)	2 (2.1%)	2 (1.2%)
n, r	0 (0%)	1 (1.0%)	1 (0.6%)
n, u	0 (0%)	1 (1.0%)	1 (0.6%)
n, w	0 (0%)	2 (2.1%)	2 (1.2%)
n, y	1 (1.3%)	1 (1.0%)	2 (1.2%)
0	2 (2.6%)	2 (2.1%)	4 (2.3%)
o, b	1 (1.3%)	0 (0%)	1 (0.6%)
o, e	1 (1.3%)	1 (1.0%)	2 (1.2%)
o, y	1 (1.3%)	4 (4.2%)	5 (2.9%)
	3 (3.9%)	5 (5.2%)	8 (4.6%)
p n n	1 (1.3%)	0 (0%)	1 (0.6%)
p, n	1 (1.3%)	0 (0%)	1 (0.6%)
p, n, k		• •	
p, w	3 (3.9%)	2 (2.1%)	5 (2.9%)
p, y	0 (0%)	1 (1.0%)	1 (0.6%)
p, y, r	0 (0%)	1 (1.0%)	1 (0.6%)
r	1 (1.3%)	0 (0%)	1 (0.6%)
r, y	0 (0%)	1 (1.0%)	1 (0.6%)
u, w	1 (1.3%)	0 (0%)	1 (0.6%)
W .	21 (27.3%)	15 (15.6%)	36 (20.8%)
w, b, n	0 (0%)	1 (1.0%)	1 (0.6%)
w, g	0 (0%)	1 (1.0%)	1 (0.6%)
w, g, k	0 (0%)	1 (1.0%)	1 (0.6%)
w, g, p, n	0 (0%)	1 (1.0%)	1 (0.6%)
w, g, u	0 (0%)	1 (1.0%)	1 (0.6%)
w, n	3 (3.9%)	2 (2.1%)	5 (2.9%)
w, p	1 (1.3%)	2 (2.1%)	3 (1.7%)
w, p, y	1 (1.3%)	0 (0%)	1 (0.6%)
w, r	0 (0%)	1 (1.0%)	1 (0.6%)
w, u, g, n	1 (1.3%)	0 (0%)	1 (0.6%)
w, y	3 (3.9%)	2 (2.1%)	5 (2.9%)
w, y, g, n	0 (0%)	1 (1.0%)	1 (0.6%)
y , , , ,	6 (7.8%)	7 (7.3%)	13 (7.5%)
y, e, n	1 (1.3%)	0 (0%)	1 (0.6%)
y, g, k	0 (0%)	1 (1.0%)	1 (0.6%)
y, k	1 (1.3%)	0 (0%)	1 (0.6%)
y, n	1 (1.3%)	4 (4.2%)	5 (2.9%)
y, o, e	0 (0%)	1 (1.0%)	1 (0.6%)
=	1 (1.3%)	0 (0%)	1 (0.6%)
y, r	0 (0%)	1 (1.0%)	1 (0.6%)
y, r, k	0 (0%)		1 (0.6%)
y, w	0 (0%)	1 (1.0%)	1 (0.0%)
stem.root	67 (97 09/)	70 (02 20/)	146 (94 49/)
L	67 (87.0%)	79 (82.3%)	146 (84.4%)
b	6 (7.8%)	3 (3.1%)	9 (5.2%)
C	0 (0%)	2 (2.1%)	2 (1.2%)
f	0 (0%)	3 (3.1%)	3 (1.7%)
r	0 (0%)	4 (4.2%)	4 (2.3%)
S	4 (5.2%)	5 (5.2%)	9 (5.2%)
stem.surface			
	53 (68.8%)	55 (57.3%)	108 (62.4%)

	е	р	Overall
f	0 (0%)	3 (3.1%)	3 (1.7%)
g	0 (0%)	5 (5.2%)	5 (2.9%)
ĥ	0 (0%)	1 (1.0%)	1 (0.6%)
i	4 (5.2%)	7 (7.3%)	11 (6.4%)
i, s	0 (0%)	1 (1.0%)	1 (0.6%)
i, t	1 (1.3%)	0 (0%)	1 (0.6%)
i, y	0 (0%)	1 (1.0%)	1 (0.6%)
k	1 (1.3%)	3 (3.1%)	4 (2.3%)
k, s	1 (1.3%)	0 (0%)	1 (0.6%)
S	9 (11.7%)	6 (6.3%)	15 (8.7%)
s, h	0 (0%)	1 (1.0%)	1 (0.6%)
t	3 (3.9%)	4 (4.2%)	7 (4.0%)
у	4 (5.2%)	9 (9.4%)	13 (7.5%)
y, s	1 (1.3%)	0 (0%)	1 (0.6%)
stem.color	. ,	. ,	, ,
b, u	1 (1.3%)	0 (0%)	1 (0.6%)
e	0 (0%)	1 (1.0%)	1 (0.6%)
e, n	1 (1.3%)	2 (2.1%)	3 (1.7%)
e, u, y	0 (0%)	1 (1.0%)	1 (0.6%)
e, y	1 (1.3%)	0 (0%)	1 (0.6%)
f	0 (0%)	3 (3.1%)	3 (1.7%)
g	2 (2.6%)	0 (0%)	2 (1.2%)
g, w	1 (1.3%)	0 (0%)	1 (0.6%)
g, n	1 (1.3%)	3 (3.1%)	4 (2.3%)
g, r, n	0 (0%)	2 (2.1%)	2 (1.2%)
g, u, n	0 (0%)	1 (1.0%)	1 (0.6%)
g, w	2 (2.6%)	0 (0%)	2 (1.2%)
k	0 (0%)	1 (1.0%)	1 (0.6%)
k, n	1 (1.3%)	1 (1.0%)	2 (1.2%)
l, r, w	1 (1.3%)	0 (0%)	1 (0.6%)
n	15 (19.5%)	20 (20.8%)	35 (20.2%)
n, e	0 (0%)	2 (2.1%)	2 (1.2%)
n, g	1 (1.3%)	1 (1.0%)	2 (1.2%)
n, o	1 (1.3%)	1 (1.0%)	2 (1.2%)
n, p	0 (0%)	1 (1.0%)	1 (0.6%)
n, p, w	1 (1.3%)	0 (0%)	1 (0.6%)
n, w	2 (2.6%)	1 (1.0%)	3 (1.7%)
n, y	1 (1.3%)	1 (1.0%)	2 (1.2%)
0	0 (0%)	1 (1.0%)	1 (0.6%)
o, e	1 (1.3%)	0 (0%)	1 (0.6%)
o, n	1 (1.3%)	0 (0%)	1 (0.6%)
o, y	1 (1.3%)	4 (4.2%)	5 (2.9%)
p	0 (0%)	2 (2.1%)	2 (1.2%)
r, y	0 (0%)	1 (1.0%)	1 (0.6%)
u	1 (1.3%)	1 (1.0%)	2 (1.2%)
u, e	0 (0%)	1 (1.0%)	1 (0.6%)
W	32 (41.6%)	25 (26.0%)	57 (32.9%)
w, l, n	0 (0%)	1 (1.0%)	1 (0.6%)
w, n	2 (2.6%)	1 (1.0%)	3 (1.7%)
w, o	1 (1.3%)	0 (0%)	1 (0.6%)
w, u	0 (0%)	1 (1.0%)	1 (0.6%)
w, y	1 (1.3%)	2 (2.1%)	3 (1.7%)
, J	_ (=.5 / 5 /	_ (=.=,0)	- (=/5)

	е	р	Overall
у	5 (6.5%)	8 (8.3%)	13 (7.5%)
y, e, n	0 (0%)	1 (1.0%)	1 (0.6%)
y, n	0 (0%)	4 (4.2%)	4 (2.3%)
y, o, k	0 (0%)	1 (1.0%)	1 (0.6%)
veil.type	` ,	,	,
91	74 (96.1%)	90 (93.8%)	164 (94.8%)
u	3 (3.9%)	6 (6.3%)	9 (5.2%)
veil.color	c (2.2.3)	2 (2.2.2)	C (C.E.S)
1000.0.	68 (88.3%)	84 (87.5%)	152 (87.9%)
e, n	0 (0%)	1 (1.0%)	1 (0.6%)
k	0 (0%)	1 (1.0%)	1 (0.6%)
	0 (0%)	1 (1.0%)	1 (0.6%)
n	• •	• •	
u	0 (0%)	1 (1.0%)	1 (0.6%)
W	7 (9.1%)	8 (8.3%)	15 (8.7%)
у	1 (1.3%)	0 (0%)	1 (0.6%)
y, w	1 (1.3%)	0 (0%)	1 (0.6%)
has.ring			
f	60 (77.9%)	70 (72.9%)	130 (75.1%)
t	17 (22.1%)	26 (27.1%)	43 (24.9%)
ring.type			
	4 (5.2%)	3 (3.1%)	7 (4.0%)
e	3 (3.9%)	3 (3.1%)	6 (3.5%)
e, g	0 (0%)	1 (1.0%)	1 (0.6%)
f	61 (79.2%)	76 (79.2%)	137 (79.2%)
g	2 (2.6%)	0 (0%)	2 (1.2%)
g, p	0 (0%)	2 (2.1%)	2 (1.2%)
9, P I	1 (1.3%)	1 (1.0%)	2 (1.2%)
l, e	0 (0%)	1 (1.0%)	1 (0.6%)
_	1 (1.3%)	0 (0%)	1 (0.6%)
l, p			
l, r	2 (2.6%)	0 (0%)	2 (1.2%)
m 	1 (1.3%)	0 (0%)	1 (0.6%)
p	1 (1.3%)	1 (1.0%)	2 (1.2%)
r	1 (1.3%)	2 (2.1%)	3 (1.7%)
Z	0 (0%)	6 (6.3%)	6 (3.5%)
Spore.print.color			
	72 (93.5%)	83 (86.5%)	155 (89.6%)
g	1 (1.3%)	0 (0%)	1 (0.6%)
g k	1 (1.3%)	4 (4.2%)	5 (2.9%)
k, r	0 (0%)	1 (1.0%)	1 (0.6%)
k, u	0 (0%)	1 (1.0%)	1 (0.6%)
n	0 (0%)	3 (3.1%)	3 (1.7%)
p	1 (1.3%)	2 (2.1%)	3 (1.7%)
p, w	0 (0%)	1 (1.0%)	1 (0.6%)
W	2 (2.6%)	1 (1.0%)	3 (1.7%)
habitat	2 (2.070)	1 (1.070)	3 (1.770)
d	47 (61.0%)	57 (59.4%)	104 (60.1%)
d, h	1 (1.3%)	3 (3.1%)	4 (2.3%)
g	1 (1.3%)	10 (10.4%)	11 (6.4%)
g, d	6 (7.8%)	4 (4.2%)	10 (5.8%)
g, d, h	1 (1.3%)	0 (0%)	1 (0.6%)
g, h, d	1 (1.3%)	2 (2.1%)	3 (1.7%)
g, l, d	0 (0%)	1 (1.0%)	1 (0.6%)

	е	р	Overall
g, l, m, d	1 (1.3%)	0 (0%)	1 (0.6%)
g, m	3 (3.9%)	2 (2.1%)	5 (2.9%)
g, m, d	1 (1.3%)	4 (4.2%)	5 (2.9%)
g, u, d	1 (1.3%)	0 (0%)	1 (0.6%)
h, d	0 (0%)	2 (2.1%)	2 (1.2%)
L	1 (1.3%)	0 (0%)	1 (0.6%)
l, d	7 (9.1%)	6 (6.3%)	13 (7.5%)
l, d, h	1 (1.3%)	0 (0%)	1 (0.6%)
l, h	1 (1.3%)	0 (0%)	1 (0.6%)
m	1 (1.3%)	1 (1.0%)	2 (1.2%)
m, d	2 (2.6%)	1 (1.0%)	3 (1.7%)
m, h	0 (0%)	1 (1.0%)	1 (0.6%)
p, d	0 (0%)	2 (2.1%)	2 (1.2%)
W	1 (1.3%)	0 (0%)	1 (0.6%)
season	_ (=::-,	- (- · · ·)	_ (0.010)
a	5 (6.5%)	11 (11.5%)	16 (9.2%)
a, w	9 (11.7%)	6 (6.3%)	15 (8.7%)
S	1 (1.3%)	0 (0%)	1 (0.6%)
s, a, w	1 (1.3%)	0 (0%)	1 (0.6%)
s, u	2 (2.6%)	1 (1.0%)	3 (1.7%)
s, u, a	1 (1.3%)	4 (4.2%)	5 (2.9%)
s, u, a, w	7 (9.1%)	6 (6.3%)	13 (7.5%)
u	0 (0%)	1 (1.0%)	1 (0.6%)
u, a	43 (55.8%)	63 (65.6%)	106 (61.3%)
u, a, w	8 (10.4%)	4 (4.2%)	12 (6.9%)
cap.diameter_min	0 (20.170)	. (= /5)	12 (0.570)
Mean (SD)	4.75 (5.74)	3.47 (2.27)	4.04 (4.22)
Median [Min, Max]	4.00 [0.500, 50.0]	3.00 [0.400, 10.0]	3.00 [0.400, 50.0]
cap.diameter_max	4.00 [0.300, 30.0]	3.00 [0.400, 10.0]	3.00 [0.400, 30.0]
Mean (SD)	10.9 (7.29)	8.29 (5.58)	9.44 (6.50)
Median [Min, Max]	10.0 [1.50, 50.0]	7.00 [1.00, 30.0]	8.00 [1.00, 50.0]
stem.height_min	10.0 [1.50, 50.0]	7.00 [2.00, 50.0]	0.00 [1.00, 50.0]
Mean (SD)	4.52 (2.20)	4.14 (2.31)	4.31 (2.26)
Median [Min, Max]	4.00 [2.00, 15.0]	4.00 [0, 15.0]	4.00 [0, 15.0]
stem.height_max	4.00 [2.00, 13.0]	4.00 [0, 15.0]	4.00 [0, 15.0]
Mean (SD)	9.58 (5.03)	8.30 (4.03)	8.87 (4.53)
Median [Min, Max]	8.00 [3.00, 35.0]	8.00 [0, 20.0]	8.00 [0, 35.0]
stem.width_min	0.00 [3.00, 33.0]	0.00 [0, 20.0]	3.00 [0, 33.0]
Mean (SD)	10.1 (6.80)	7.26 (5.71)	8.53 (6.36)
Median [Min, Max]	10.1 (0.80)		
	10.0 [1.00, 40.0]	5.00 [0, 20.0]	8.00 [0, 40.0]
stem.width_max	106 (157)	12 5 /11 0\	1 5 0 /12 0\
Mean (SD)	18.6 (15.7)	13.5 (11.8)	15.8 (13.9)
Median [Min, Max]	15.0 [1.00, 100]	10.0 [0, 60.0]	12.0 [0, 100]