HW2

A summary report for the Primary mushroom dataset

Hung-Tse Hsu

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目錄

Variable definition

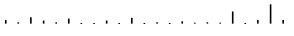
Variable	Type	Description
species_name	Nominal	The family name of the mushroom species.
name	Nominal	The specific mushroom species name.
class	Nominal	The edibility of the mushroom: p = poisonous, e = edible.
cap-diameter	Numerical	Float number(s) in cm. Two values = min and max, one value = mean.
cap-shape	Nominal	b = bell, c = conical, x = convex, f = flat, s = sunken, p = spherical, o = others.
cap-surface	Nominal	i = fibrous, g = grooves, y = scaly, s = smooth, h = shiny, l = leathery, k = silky, t = sticky, w = wrinkled, e = fleshy.
cap-color	Nominal	n = brown, b = buff, g = gray, r = green, p = pink, u = purple, e = red, w = white, y = yellow, l = blue, o = orange, k = black.
does_bruise_or_bleed	Nominal	t = bruises or bleeding, f = no.
gill-attachment	Nominal	a = adnate, x = adnexed, d = decurrent, e = free, s = sinuate, p = pores, f = none, ? = unknown.
gill-spacing	Nominal	c = close, d = distant, f = none.
gill-color	Nominal	Same as cap-color, plus f = none.
stem-height	Numerical	Float number(s) in cm. Two values = min and max, one value = mean.
stem-width	Numerical	Float number(s) in mm. Two values = min and max, one value = mean.
stem-root	Nominal	b = bulbous, s = swollen, c = club, u = cup, e = equal, z = rhizomorphs, r = rooted.

Variable	Type	Description
stem-surface	Nominal	Same as cap–surface, plus f = none.
stem-color	Nominal	Same as cap–color, plus f = none.
veil-type	Nominal	p = partial, u = universal.
veil-color	Nominal	Same as cap–color, plus f = none.
has-ring	Nominal	t = ring, f = none.
ring-type	Nominal	c = cobwebby, e = evanescent, r = flaring, g = grooved, l = large, p = pendant, s = sheathing, z = zone, y = scaly, m = movable, f = none, ? = unknown.
spore-print-color	Nominal	Same as cap–color.
habitat	Nominal	g = grasses, l = leaves, m = meadows, p = paths, h = heaths, u = urban, w = waste, d = woods.
season	Nominal	s = spring, u = summer, a = autumn, w = winter.

Data discription

mushroom.df
23 Variables 173 Observations

family



```
     n      missing      distinct
   173            0            23

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

```
     n      missing      distinct
   173            0           173

lowest : Amethyst Deceiver        Aniseed Funnel Cap       Apricot Fungus           Bare-toothed Russula     Bay Bolete
highest: Yellow-brown Tricholoma  Yellow-cracked Bolete    Yellow-gilled Russula    Yellow-staining Mushroom Yellow-stemmed Bell Cap
```

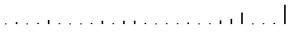
class

```
     n      missing      distinct
   173            0            2

Value          e     p
Frequency     77    96
Proportion 0.445 0.555
```

cap.diameter

```
     n      missing      distinct
   173            0           51

lowest : [0.4, 1]   [0.5, 1.5] [0.5, 1]   [0.7, 1.3] [1, 1.5]
highest: [8, 14]    [8, 15]    [8, 20]    [8, 25]    [8, 30]
```

cap.shape



```
     n      missing      distinct
   173            0           27

lowest : [b, f, s] [b, f]     [b, x, f] [b, x]     [b]
highest: [x, f]    [x, o]     [x, p]    [x, s]     [x]
```

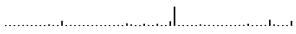
Cap.surface

n	missing	distinct
133	40	40

```
lowest : [d, e, y, i] [d, k, s]    [d, k]       [d, s]       [d]
highest: [t]          [w, t]       [w]          [y, s]       [y]
```

---

cap.color



n	missing	distinct
173	0	67

```
lowest : [b, p, e, y]    [b, u]          [b]             [e, n, p, w]    [e, n, y]
highest: [y, n]          [y, o, g, n, r] [y, o, r, n]    [y, o]          [y]
```

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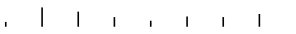
does.bruise.or.bleed

n	missing	distinct
173	0	2

Value	[f]	[t]
Frequency	143	30
Proportion	0.827	0.173

---

gill.attachment



n	missing	distinct
145	28	8

Value	[a, d]	[a]	[d]	[e]	[f]	[p]	[s]	[x]
Frequency	8	32	25	16	10	17	16	21
Proportion	0.055	0.221	0.172	0.110	0.069	0.117	0.110	0.145

---

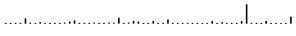
gill.spacing

n	missing	distinct
102	71	3

Value	[c]	[d]	[f]
Frequency	70	22	10
Proportion	0.686	0.216	0.098

---

gill.color

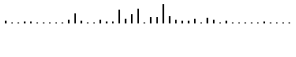


n	missing	distinct
173	0	59

```
lowest : [b, p, w] [b, u]    [b]       [e]       [f]
highest: [y, o, e] [y, r, k] [y, r]    [y, w]    [y]
```

---

stem.height



n	missing	distinct
173	0	46

```
lowest : [0]      [1, 2]   [1, 3]   [10, 12] [10, 15], highest: [8, 12]  [8, 15]  [8, 20]  [8, 25]  [8, 30]
```

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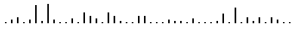
stem.width



n	missing	distinct
173	0	48

```
lowest : [0.5, 1] [0]      [1, 2]   [1, 3]   [1]     , highest: [7, 15]  [8, 12]  [8, 15]  [8, 18]  [8, 20]
```

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stem.root

n	missing	distinct
27	146	5

Value	[b]	[c]	[f]	[r]	[s]
Frequency	9	2	3	4	9
Proportion	0.333	0.074	0.111	0.148	0.333

---

stem.surface

n	missing	distinct
65	108	14

Value	[f]	[g]	[h]	[i, s]	[i, t]	[i, y]	[i]	[k, s]	[k]	[s, h]	[s]	[t]
Frequency	3	5	1	1	1	1	11	1	4	1	15	7
Proportion	0.046	0.077	0.015	0.015	0.015	0.015	0.169	0.015	0.062	0.015	0.231	0.108

Value	[y, s]	[y]
Frequency	1	13
Proportion	0.015	0.200

stem.color

n	missing	distinct
173	0	41

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

veil.type

n	missing	distinct	value
9	164	1	[u]

Value	[u]
Frequency	9
Proportion	1

veil.color

n	missing	distinct
21	152	7

Value	[e, n]	[k]	[n]	[u]	[w]	[y, w]	[y]
Frequency	1	1	1	1	15	1	1
Proportion	0.048	0.048	0.048	0.048	0.714	0.048	0.048

has.ring

n	missing	distinct
173	0	2

Value	[f]	[t]
Frequency	130	43
Proportion	0.751	0.249

ring.type

n	missing	distinct
166	7	13

Value	[e, g]	[e]	[f]	[g, p]	[g]	[l, e]	[l, p]	[l, r]	[l]	[m]	[p]	[r]
Frequency	1	6	137	2	2	1	1	2	2	1	2	3
Proportion	0.006	0.036	0.825	0.012	0.012	0.006	0.006	0.012	0.012	0.006	0.012	0.018

Value	[z]
Frequency	6
Proportion	0.036

Spore.print.color

n	missing	distinct
18	155	8

Value	[g]	[k, r]	[k, u]	[k]	[n]	[p, w]	[p]	[w]
Frequency	1	1	1	5	3	1	3	3
Proportion	0.056	0.056	0.056	0.278	0.167	0.056	0.167	0.167

habitat

n	missing	distinct
173	0	21

lowest :	[d, h]	[d]	[g, d, h]	[g, d]	[g, h, d]
highest:	[m, d]	[m, h]	[m]	[p, d]	[w]

season

n	missing	distinct
173	0	10

Value	[a, w]	[a]	[s, a, w]	[s, u, a, w]	[s, u, a]	[s, u]
Frequency	15	16	1	13	5	3
Proportion	0.087	0.092	0.006	0.075	0.029	0.017

Value	[s]	[u, a, w]	[u, a]	[u]
Frequency	1	12	106	1
Proportion	0.006	0.069	0.613	0.006

Table one

	level	Overall
n		173
class (%)	e	77 (44.5)
	p	96 (55.5)
cap.diameter (%)	[0.4, 1]	2 (1.2)
	[0.5, 1.5]	3 (1.7)
	[0.5, 1]	1 (0.6)
	[0.7, 1.3]	1 (0.6)
	[1, 1.5]	1 (0.6)
	[1, 2]	7 (4.0)
	[1, 3]	5 (2.9)
	[1, 4]	4 (2.3)
	[10, 15]	1 (0.6)
	[10, 20]	1 (0.6)
	[10, 25]	2 (1.2)
	[12, 18]	1 (0.6)
	[12, 25]	1 (0.6)
	[2, 10]	1 (0.6)
	[2, 3]	1 (0.6)
	[2, 4]	8 (4.6)
	[2, 5]	16 (9.2)
	[2, 6]	10 (5.8)
	[2, 7]	2 (1.2)
	[2, 8]	1 (0.6)
	[3, 10]	5 (2.9)
	[3, 12]	1 (0.6)
	[3, 5]	2 (1.2)
	[3, 6]	6 (3.5)
	[3, 7]	4 (2.3)
	[3, 8]	6 (3.5)
	[4, 10]	8 (4.6)
	[4, 12]	5 (2.9)
	[4, 7]	1 (0.6)
	[4, 8]	9 (5.2)
	[4, 9]	3 (1.7)
	[5, 10]	12 (6.9)
	[5, 12]	6 (3.5)
	[5, 14]	1 (0.6)
	[5, 15]	8 (4.6)
	[5, 18]	1 (0.6)
	[5, 20]	1 (0.6)

	[50]	1 (0.6)
	[6, 10]	2 (1.2)
	[6, 12]	5 (2.9)
	[6, 14]	1 (0.6)
	[6, 15]	2 (1.2)
	[6, 18]	1 (0.6)
	[7, 15]	3 (1.7)
	[7, 20]	1 (0.6)
	[8, 12]	1 (0.6)
	[8, 14]	1 (0.6)
	[8, 15]	1 (0.6)
	[8, 20]	2 (1.2)
	[8, 25]	2 (1.2)
	[8, 30]	2 (1.2)
cap.shape (%)	[b, f, s]	1 (0.6)
	[b, f]	5 (2.9)
	[b, x, f]	1 (0.6)
	[b, x]	3 (1.7)
	[b]	10 (5.8)
	[c, f]	2 (1.2)
	[c, x, f]	1 (0.6)
	[c, x]	1 (0.6)
	[c]	3 (1.7)
	[f, s]	8 (4.6)
	[f, x]	2 (1.2)
	[f]	8 (4.6)
	[o]	8 (4.6)
	[p, b]	3 (1.7)
	[p, c, o]	1 (0.6)
	[p, f]	2 (1.2)
	[p, x, f]	2 (1.2)
	[p, x]	4 (2.3)
	[p]	1 (0.6)
	[s, o]	2 (1.2)
	[s]	9 (5.2)
	[x, f, s]	13 (7.5)
	[x, f]	29 (16.8)
	[x, o]	1 (0.6)
	[x, p]	2 (1.2)
	[x, s]	3 (1.7)
	[x]	48 (27.7)
Cap.surface (%)		40 (23.1)
	[d, e, y, i]	1 (0.6)
	[d, k, s]	1 (0.6)
	[d, k]	2 (1.2)
	[d, s]	1 (0.6)
	[d]	9 (5.2)
	[e, k, s, h]	1 (0.6)
	[e, t, k]	1 (0.6)
	[e, y]	1 (0.6)
	[e]	5 (2.9)
	[g, h]	1 (0.6)
	[g, s, d]	1 (0.6)
	[g, s, h, t]	1 (0.6)

	[g, s, t]	1 (0.6)
	[g]	12 (6.9)
	[h, s, d]	1 (0.6)
	[h, s, t]	1 (0.6)
	[h, t, w]	1 (0.6)
	[h, t, y]	1 (0.6)
	[h, t]	10 (5.8)
	[h]	5 (2.9)
	[i, e]	1 (0.6)
	[i, y]	2 (1.2)
	[i]	4 (2.3)
	[k, e]	1 (0.6)
	[k]	4 (2.3)
	[l]	4 (2.3)
	[s, d]	1 (0.6)
	[s, h]	1 (0.6)
	[s, i]	1 (0.6)
	[s, t]	4 (2.3)
	[s, y]	3 (1.7)
	[s]	13 (7.5)
	[t, h, s]	1 (0.6)
	[t, h]	2 (1.2)
	[t, w, d]	1 (0.6)
	[t]	12 (6.9)
	[w, t]	1 (0.6)
	[w]	5 (2.9)
	[y, s]	1 (0.6)
	[y]	14 (8.1)
cap.color (%)	[b, p, e, y]	1 (0.6)
	[b, u]	1 (0.6)
	[b]	1 (0.6)
	[e, n, p, w]	1 (0.6)
	[e, n, y]	2 (1.2)
	[e, n]	2 (1.2)
	[e, o, k]	1 (0.6)
	[e, o]	1 (0.6)
	[e, p, w]	1 (0.6)
	[e, u, y]	1 (0.6)
	[e]	3 (1.7)
	[g, k]	2 (1.2)
	[g, n, k]	1 (0.6)
	[g, n]	10 (5.8)
	[g, r, k, n]	1 (0.6)
	[g, r, n]	2 (1.2)
	[g, u, n, p]	1 (0.6)
	[g, u, n]	1 (0.6)
	[g]	1 (0.6)
	[k, n, w]	1 (0.6)
	[l, g, b, w]	1 (0.6)
	[l, k]	1 (0.6)
	[l, r, w]	1 (0.6)
	[l, u, g, n]	1 (0.6)
	[l, y]	1 (0.6)
	[n ,w]	1 (0.6)

```
                          [n, b]            2 ( 1.2)
                          [n, e, y]         1 ( 0.6)
                          [n, e]            5 ( 2.9)
                          [n, g]            3 ( 1.7)
                          [n, o, e]         1 ( 0.6)
                          [n, o, y, w]      1 ( 0.6)
                          [n, o]            4 ( 2.3)
                          [n, p, e]         2 ( 1.2)
                          [n, r, u, y]      1 ( 0.6)
                          [n, w]            4 ( 2.3)
                          [n, y, e]         1 ( 0.6)
                          [n, y, w]         1 ( 0.6)
                          [n, y]            9 ( 5.2)
                          [n]              38 (22.0)
                          [o, b]            1 ( 0.6)
                          [o, e, n, k]      1 ( 0.6)
                          [o, n]            1 ( 0.6)
                          [o, p, e]         1 ( 0.6)
                          [o, y, r]         1 ( 0.6)
                          [o, y]            3 ( 1.7)
                          [o]               2 ( 1.2)
                          [p]               2 ( 1.2)
                          [r, l]            1 ( 0.6)
                          [r, n]            1 ( 0.6)
                          [r, p, y]         1 ( 0.6)
                          [r, y]            1 ( 0.6)
                          [r]               1 ( 0.6)
                          [u, k]            1 ( 0.6)
                          [u]               2 ( 1.2)
                          [w, g]            2 ( 1.2)
                          [w, n]            4 ( 2.3)
                          [w, p, o]         1 ( 0.6)
                          [w, u]            1 ( 0.6)
                          [w, y, g, n]      1 ( 0.6)
                          [w, y]            2 ( 1.2)
                          [w]              12 ( 6.9)
                          [y, n]            3 ( 1.7)
                          [y, o, g, n, r]   1 ( 0.6)
                          [y, o, r, n]      1 ( 0.6)
                          [y, o]            1 ( 0.6)
                          [y]              10 ( 5.8)
does.bruise.or.bleed (%)  [f]             143 (82.7)
                          [t]              30 (17.3)
gill.attachment (%)                        28 (16.2)
                          [a, d]            8 ( 4.6)
                          [a]              32 (18.5)
                          [d]              25 (14.5)
                          [e]              16 ( 9.2)
                          [f]              10 ( 5.8)
                          [p]              17 ( 9.8)
                          [s]              16 ( 9.2)
                          [x]              21 (12.1)
gill.spacing (%)                           71 (41.0)
                          [c]              70 (40.5)
```

	[d]	22 (12.7)
	[f]	10 (5.8)
gill.color (%)	[b, p, w]	1 (0.6)
	[b, u]	1 (0.6)
	[b]	1 (0.6)
	[e]	1 (0.6)
	[f]	10 (5.8)
	[g, k]	2 (1.2)
	[g, n, u]	1 (0.6)
	[g, n]	3 (1.7)
	[g, p]	1 (0.6)
	[g, r, w]	1 (0.6)
	[g, u]	1 (0.6)
	[g, w, y]	1 (0.6)
	[g, w]	2 (1.2)
	[g]	4 (2.3)
	[k, n]	6 (3.5)
	[k, p, w]	1 (0.6)
	[k, p]	1 (0.6)
	[n, e, y]	1 (0.6)
	[n, p]	2 (1.2)
	[n, r]	1 (0.6)
	[n, u]	1 (0.6)
	[n, w]	2 (1.2)
	[n, y]	2 (1.2)
	[n]	11 (6.4)
	[o, b]	1 (0.6)
	[o, e]	2 (1.2)
	[o, y]	5 (2.9)
	[o]	4 (2.3)
	[p, n, k]	1 (0.6)
	[p, n]	1 (0.6)
	[p, w]	5 (2.9)
	[p, y, r]	1 (0.6)
	[p, y]	1 (0.6)
	[p]	8 (4.6)
	[r, y]	1 (0.6)
	[r]	1 (0.6)
	[u, w]	1 (0.6)
	[w, b, n]	1 (0.6)
	[w, g, k]	1 (0.6)
	[w, g, p, n]	1 (0.6)
	[w, g, u]	1 (0.6)
	[w, g]	1 (0.6)
	[w, n]	5 (2.9)
	[w, p, y]	1 (0.6)
	[w, p]	3 (1.7)
	[w, r]	1 (0.6)
	[w, u, g, n]	1 (0.6)
	[w, y, g, n]	1 (0.6)
	[w, y]	5 (2.9)
	[w]	36 (20.8)
	[y, e, n]	1 (0.6)
	[y, g, k]	1 (0.6)

	[y, k]	1 (0.6)
	[y, n]	5 (2.9)
	[y, o, e]	1 (0.6)
	[y, r, k]	1 (0.6)
	[y, r]	1 (0.6)
	[y, w]	1 (0.6)
	[y]	13 (7.5)
stem.height (%)	[0]	3 (1.7)
	[1, 2]	1 (0.6)
	[1, 3]	1 (0.6)
	[10, 12]	2 (1.2)
	[10, 15]	2 (1.2)
	[10, 20]	1 (0.6)
	[12, 20]	1 (0.6)
	[15, 20]	1 (0.6)
	[15, 35]	1 (0.6)
	[2, 3]	1 (0.6)
	[2, 4]	4 (2.3)
	[2, 5]	11 (6.4)
	[2, 6]	3 (1.7)
	[2, 7]	1 (0.6)
	[2, 8]	1 (0.6)
	[3, 10]	4 (2.3)
	[3, 4]	2 (1.2)
	[3, 5]	2 (1.2)
	[3, 6]	15 (8.7)
	[3, 7]	5 (2.9)
	[3, 8]	10 (5.8)
	[4, 10]	16 (9.2)
	[4, 5]	1 (0.6)
	[4, 6]	7 (4.0)
	[4, 7]	7 (4.0)
	[4, 8]	21 (12.1)
	[5, 10]	8 (4.6)
	[5, 12]	4 (2.3)
	[5, 15]	3 (1.7)
	[5, 7]	3 (1.7)
	[5, 8]	5 (2.9)
	[5, 9]	1 (0.6)
	[6, 10]	6 (3.5)
	[6, 12]	4 (2.3)
	[6, 14]	1 (0.6)
	[6, 15]	3 (1.7)
	[6, 18]	1 (0.6)
	[7, 11]	1 (0.6)
	[7, 15]	1 (0.6)
	[7, 9]	1 (0.6)
	[8, 10]	1 (0.6)
	[8, 12]	2 (1.2)
	[8, 15]	1 (0.6)
	[8, 20]	1 (0.6)
	[8, 25]	1 (0.6)
	[8, 30]	1 (0.6)
stem.width (%)	[0.5, 1]	1 (0.6)

	[0]	3 (1.7)
	[1, 2]	5 (2.9)
	[1, 3]	1 (0.6)
	[1]	3 (1.7)
	[10, 15]	15 (8.7)
	[10, 18]	2 (1.2)
	[10, 20]	16 (9.2)
	[10, 25]	3 (1.7)
	[10, 30]	1 (0.6)
	[10, 60]	1 (0.6)
	[10]	4 (2.3)
	[12, 18]	1 (0.6)
	[15, 20]	9 (5.2)
	[15, 25]	6 (3.5)
	[15, 30]	4 (2.3)
	[15, 40]	1 (0.6)
	[2, 3]	9 (5.2)
	[2, 4]	6 (3.5)
	[2, 5]	2 (1.2)
	[2]	1 (0.6)
	[20, 25]	1 (0.6)
	[20, 30]	6 (3.5)
	[20, 40]	6 (3.5)
	[20, 50]	1 (0.6)
	[20, 60]	1 (0.6)
	[20, 80]	1 (0.6)
	[3, 4]	3 (1.7)
	[3, 5]	2 (1.2)
	[3, 6]	2 (1.2)
	[3, 7]	1 (0.6)
	[3, 8]	4 (2.3)
	[30, 40]	1 (0.6)
	[4, 5]	1 (0.6)
	[4, 6]	1 (0.6)
	[4, 7]	2 (1.2)
	[4, 8]	8 (4.6)
	[40, 100]	1 (0.6)
	[5, 10]	13 (7.5)
	[5, 12]	1 (0.6)
	[5, 8]	5 (2.9)
	[6, 10]	2 (1.2)
	[6, 12]	5 (2.9)
	[7, 15]	1 (0.6)
	[8, 12]	5 (2.9)
	[8, 15]	3 (1.7)
	[8, 18]	1 (0.6)
	[8, 20]	1 (0.6)
stem.root (%)		146 (84.4)
	[b]	9 (5.2)
	[c]	2 (1.2)
	[f]	3 (1.7)
	[r]	4 (2.3)
	[s]	9 (5.2)
stem.surface (%)		108 (62.4)

	[f]	3 (1.7)
	[g]	5 (2.9)
	[h]	1 (0.6)
	[i, s]	1 (0.6)
	[i, t]	1 (0.6)
	[i, y]	1 (0.6)
	[i]	11 (6.4)
	[k, s]	1 (0.6)
	[k]	4 (2.3)
	[s, h]	1 (0.6)
	[s]	15 (8.7)
	[t]	7 (4.0)
	[y, s]	1 (0.6)
	[y]	13 (7.5)
stem.color (%)	[b, u]	1 (0.6)
	[e, n]	3 (1.7)
	[e, u, y]	1 (0.6)
	[e, y]	1 (0.6)
	[e]	1 (0.6)
	[f]	3 (1.7)
	[g, w]	1 (0.6)
	[g, n]	4 (2.3)
	[g, r, n]	2 (1.2)
	[g, u, n]	1 (0.6)
	[g, w]	2 (1.2)
	[g]	2 (1.2)
	[k, n]	2 (1.2)
	[k]	1 (0.6)
	[l, r, w]	1 (0.6)
	[n, e]	2 (1.2)
	[n, g]	2 (1.2)
	[n, o]	2 (1.2)
	[n, p, w]	1 (0.6)
	[n, p]	1 (0.6)
	[n, w]	3 (1.7)
	[n, y]	2 (1.2)
	[n]	35 (20.2)
	[o, e]	1 (0.6)
	[o, n]	1 (0.6)
	[o, y]	5 (2.9)
	[o]	1 (0.6)
	[p]	2 (1.2)
	[r, y]	1 (0.6)
	[u, e]	1 (0.6)
	[u]	2 (1.2)
	[w, l, n]	1 (0.6)
	[w, n]	3 (1.7)
	[w, o]	1 (0.6)
	[w, u]	1 (0.6)
	[w, y]	3 (1.7)
	[w]	57 (32.9)
	[y, e, n]	1 (0.6)
	[y, n]	4 (2.3)
	[y, o, k]	1 (0.6)

	[y]	13 (7.5)
veil.type (%)		164 (94.8)
	[u]	9 (5.2)
veil.color (%)		152 (87.9)
	[e, n]	1 (0.6)
	[k]	1 (0.6)
	[n]	1 (0.6)
	[u]	1 (0.6)
	[w]	15 (8.7)
	[y, w]	1 (0.6)
	[y]	1 (0.6)
has.ring (%)	[f]	130 (75.1)
	[t]	43 (24.9)
ring.type (%)		7 (4.0)
	[e, g]	1 (0.6)
	[e]	6 (3.5)
	[f]	137 (79.2)
	[g, p]	2 (1.2)
	[g]	2 (1.2)
	[l, e]	1 (0.6)
	[l, p]	1 (0.6)
	[l, r]	2 (1.2)
	[l]	2 (1.2)
	[m]	1 (0.6)
	[p]	2 (1.2)
	[r]	3 (1.7)
	[z]	6 (3.5)
Spore.print.color (%)		155 (89.6)
	[g]	1 (0.6)
	[k, r]	1 (0.6)
	[k, u]	1 (0.6)
	[k]	5 (2.9)
	[n]	3 (1.7)
	[p, w]	1 (0.6)
	[p]	3 (1.7)
	[w]	3 (1.7)
habitat (%)	[d, h]	4 (2.3)
	[d]	104 (60.1)
	[g, d, h]	1 (0.6)
	[g, d]	10 (5.8)
	[g, h, d]	3 (1.7)
	[g, l, d]	1 (0.6)
	[g, l, m, d]	1 (0.6)
	[g, m, d]	5 (2.9)
	[g, m]	5 (2.9)
	[g, u, d]	1 (0.6)
	[g]	11 (6.4)
	[h, d]	2 (1.2)
	[l, d, h]	1 (0.6)
	[l, d]	13 (7.5)
	[l, h]	1 (0.6)
	[l]	1 (0.6)
	[m, d]	3 (1.7)
	[m, h]	1 (0.6)

	[m]	2	(1.2)
	[p, d]	2	(1.2)
	[w]	1	(0.6)
season (%)	[a, w]	15	(8.7)
	[a]	16	(9.2)
	[s, a, w]	1	(0.6)
	[s, u, a, w]	13	(7.5)
	[s, u, a]	5	(2.9)
	[s, u]	3	(1.7)
	[s]	1	(0.6)
	[u, a, w]	12	(6.9)
	[u, a]	106	(61.3)
	[u]	1	(0.6)