

Table 1.1 The Contact Lens Data

Age	Spectacle Prescription	Astigmatism	Tear Production Rate	Recommended Lenses
Young	Myope	No	Reduced	None
Young	Myope	No	Normal	Soft
Young	Myope	Yes	Reduced	None
Young	Myope	Yes	Normal	Hard
Young	Hypermetrope	No	Reduced	None
Young	Hypermetrope	No	Normal	Soft
Young	Hypermetrope	Yes	Reduced	None
Young	Hypermetrope	Yes	Normal	Hard
Prepresbyopic	Myope	No	Reduced	None
Prepresbyopic	Myope	No	Normal	Soft
Prepresbyopic	Myope	Yes	Reduced	None
Prepresbyopic	Myope	Yes	Normal	Hard
Prepresbyopic	Hypermetrope	No	Reduced	None
Prepresbyopic	Hypermetrope	No	Normal	Soft
Prepresbyopic	Hypermetrope	Yes	Reduced	None
Prepresbyopic	Hypermetrope	Yes	Normal	None
Presbyopic	Myope	No	Reduced	None
Presbyopic	Myope	No	Normal	None
Presbyopic	Myope	Yes	Reduced	None
Presbyopic	Myope	Yes	Normal	Hard
Presbyopic	Hypermetrope	No	Reduced	None
Presbyopic	Hypermetrope	No	Normal	Soft
Presbyopic	Hypermetrope	Yes	Reduced	None
Presbyopic	Hypermetrope	Yes	Normal	None

Table 1.2 The Weather Data

Outlook	Temperature	Humidity	Windy	Play
Sunny	Hot	High	False	No
Sunny	Hot	High	True	No
Overcast	Hot	High	False	Yes
Rainy	Mild	High	False	Yes
Rainy	Cool	Normal	False	Yes
Rainy	Cool	Normal	True	No
Overcast	Cool	Normal	True	Yes
Sunny	Mild	High	False	No
Sunny	Cool	Normal	False	Yes
Rainy	Mild	Normal	False	Yes
Sunny	Mild	Normal	True	Yes
Overcast	Mild	High	True	Yes
Overcast	Hot	Normal	False	Yes
Rainy	Mild	High	True	No

Table 1.3 Weather Data With Some Numeric Attributes

Outlook	Temperature	Humidity	Windy	Play
Sunny	85	85	False	No
Sunny	80	90	True	No
Overcast	83	86	False	Yes
Rainy	70	96	False	Yes
Rainy	68	80	False	Yes
Rainy	65	70	True	No
Overcast	64	65	True	Yes
Sunny	72	95	False	No
Sunny	69	70	False	Yes
Rainy	75	80	False	Yes
Sunny	75	70	True	Yes
Overcast	72	90	True	Yes
Overcast	81	75	False	Yes
Rainy	71	91	True	No

Table 1.4 The Iris Data

	Sepal Length	Sepal Width	Petal Length	Petal Width	Type
1	5.1	3.5	1.4	0.2	<i>Iris setosa</i>
2	4.9	3.0	1.4	0.2	<i>I. setosa</i>
3	4.7	3.2	1.3	0.2	<i>I. setosa</i>
4	4.6	3.1	1.5	0.2	<i>I. setosa</i>
5	5.0	3.6	1.4	0.2	<i>I. setosa</i>
...					
51	7.0	3.2	4.7	1.4	<i>Iris versicolor</i>
52	6.4	3.2	4.5	1.5	<i>I. versicolor</i>
53	6.9	3.1	4.9	1.5	<i>I. versicolor</i>
54	5.5	2.3	4.0	1.3	<i>I. versicolor</i>
55	6.5	2.8	4.6	1.5	<i>I. versicolor</i>
...					
101	6.3	3.3	6.0	2.5	<i>Iris virginica</i>
102	5.8	2.7	5.1	1.9	<i>I. virginica</i>
103	7.1	3.0	5.9	2.1	<i>I. virginica</i>
104	6.3	2.9	5.6	1.8	<i>I. virginica</i>
105	6.5	3.0	5.8	2.2	<i>I. virginica</i>
...					

Table 1.5 The CPU Performance Data

	Cycle Time (ns)	Main Memory (Kb)		Cache (KB)	Channels		Performance
		Min	Max		Min	Max	
	MYCT	MMIN	MMAX	CACH	CHMIN	CHMAX	PRP
1	125	256	6000	256	16	128	198
2	29	8000	32,000	32	8	32	269
3	29	8000	32,000	32	8	32	220
4	29	8000	32,000	32	8	32	172
5	29	8000	16,000	32	8	16	132
...							
207	125	2000	8000	0	2	14	52
208	480	512	8000	32	0	0	67
209	480	1000	4000	0	0	0	45

Table 1.6 The Labor Negotiations Data

Attribute	Type	1	2	3	...	40
Duration	(Number of years)	1	2	3		2
Wage increase 1st year	Percentage	2%	4%	4.3%		4.5
Wage increase 2nd year	Percentage	?	5%	4.4%		4.0
Wage increase 3rd year	Percentage	?	?	?		?
Cost of living adjustment	{None, tcf, tc}	None	Tcf	?		None
Working hours per week	(Number of hours)	28	35	38		40
Pension	{None, ret-allw, empl-cntr}	None	?	?		?
Standby pay	Percentage	?	13%	?		?
Shift-work supplement	Percentage	?	5%	4%		4
Education allowance	{Yes, no}	Yes	?	?		?
Statutory holidays	(Number of days)	11	15	12		12
Vacation	{Below-avg, avg, gen}	Avg	Gen	Gen		Avg
Long-term disability assistance	{Yes, no}	No	?	?		Yes
Dental plan contribution	{None, half, full}	None	?	Full		Full
Bereavement assistance	{Yes, no}	No	?	?		Yes
Health-plan contribution	{None, half, full}	None	?	Full		Half
Acceptability of contract	{Good, bad}	Bad	Good	Good		Good

Table 1.7 The Soybean Data

	Attribute	Number of Values	Sample Value
Environment	Time of occurrence	7	July
	Precipitation	3	Above normal
	Temperature	3	Normal
	Cropping history	4	Same as last year
	Hail damage	2	Yes
	Damaged area	4	Scattered
	Severity	3	Severe
	Plant height	2	Normal
	Plant growth	2	Abnormal
	Seed treatment	3	Fungicide
	Germination	3	Less than 80%
Seed	Condition	2	Normal
	Mold growth	2	Absent
	Discoloration	2	Absent
	Size	2	Normal
	Shriveling	2	Absent
Fruit	Condition of fruit pods	3	Normal
	Fruit spots	5	—
Leaves	Condition	2	Abnormal
	Leaf spot size	3	—
	Yellow leaf spot halo	3	Absent
	Leaf spot margins	3	—
	Shredding	2	Absent
	Leaf malformation	2	Absent
	Leaf mildew growth	3	Absent
Stem	Condition	2	Abnormal
	Stem lodging	2	Yes
	Stem cankers	4	Above soil line
	Canker lesion color	3	—
	Fruiting bodies on stems	2	Present
	External decay of stem	3	Firm and dry
	Mycelium on stem	2	Absent
	Internal discoloration	3	None
	Sclerotia	2	Absent
	Condition	3	Normal
Roots			
Diagnosis		19	Diaporthe stem canker