Contraceptive method choice (CMC)

Attribute Information:

1. Wife's age (numerical)  
2. Wife's education (categorical) 1=low, 2, 3, 4=high  
3. Husband's education (categorical) 1=low, 2, 3, 4=high  
4. Number of children ever born (numerical)  
5. Wife's religion (binary) 0=Non-Islam, 1=Islam  
6. Wife's now working? (binary) 0=Yes, 1=No  
7. Husband's occupation (categorical) 1, 2, 3, 4  
8. Standard-of-living index (categorical) 1=low, 2, 3, 4=high  
9. Media exposure (binary) 0=Good, 1=Not good  
10. Contraceptive method used (class attribute) 1=No-use, 2=Long-term, 3=Short-term

Audiology

Number of instances: 200 training cases, 26 test cases

6. Number of attributes: 69 + identifier attribute + class attribute

7. Attribute information:

age\_gt\_60: f, t.

air(): mild,moderate,severe,normal,profound.

airBoneGap: f, t.

ar\_c(): normal,elevated,absent.

ar\_u(): normal,absent,elevated.

bone(): mild,moderate,normal,unmeasured.

boneAbnormal: f, t.

bser(): normal,degraded.

history\_buzzing: f, t.

history\_dizziness: f, t.

history\_fluctuating: f, t.

history\_fullness: f, t.

history\_heredity: f, t.

history\_nausea: f, t.

history\_noise: f, t.

history\_recruitment: f, t.

history\_ringing: f, t.

history\_roaring: f, t.

history\_vomiting: f, t.

late\_wave\_poor: f, t.

m\_at\_2k: f, t.

m\_cond\_lt\_1k: f, t.

m\_gt\_1k: f, t.

m\_m\_gt\_2k: f, t.

m\_m\_sn: f, t.

m\_m\_sn\_gt\_1k: f, t.

m\_m\_sn\_gt\_2k: f, t.

m\_m\_sn\_gt\_500: f, t.

m\_p\_sn\_gt\_2k: f, t.

m\_s\_gt\_500: f, t.

m\_s\_sn: f, t.

m\_s\_sn\_gt\_1k: f, t.

m\_s\_sn\_gt\_2k: f, t.

m\_s\_sn\_gt\_3k: f, t.

m\_s\_sn\_gt\_4k: f, t.

m\_sn\_2\_3k: f, t.

m\_sn\_gt\_1k: f, t.

m\_sn\_gt\_2k: f, t.

m\_sn\_gt\_3k: f, t.

m\_sn\_gt\_4k: f, t.

m\_sn\_gt\_500: f, t.

m\_sn\_gt\_6k: f, t.

m\_sn\_lt\_1k: f, t.

m\_sn\_lt\_2k: f, t.

m\_sn\_lt\_3k: f, t.

middle\_wave\_poor: f, t.

mod\_gt\_4k: f, t.

mod\_mixed: f, t.

mod\_s\_mixed: f, t.

mod\_s\_sn\_gt\_500: f, t.

mod\_sn: f, t.

mod\_sn\_gt\_1k: f, t.

mod\_sn\_gt\_2k: f, t.

mod\_sn\_gt\_3k: f, t.

mod\_sn\_gt\_4k: f, t.

mod\_sn\_gt\_500: f, t.

notch\_4k: f, t.

notch\_at\_4k: f, t.

o\_ar\_c(): normal,elevated,absent.

o\_ar\_u(): normal,absent,elevated.

s\_sn\_gt\_1k: f, t.

s\_sn\_gt\_2k: f, t.

s\_sn\_gt\_4k: f, t.

speech(): normal,good,very\_good,very\_poor,poor,unmeasured.

static\_normal: f, t.

tymp(): a,as,b,ad,c.

viith\_nerve\_signs: f, t.

wave\_V\_delayed: f, t.

waveform\_ItoV\_prolonged: f, t.

indentifier (unique for each instance)

class: cochlear\_unknown,mixed\_cochlear\_age\_fixation,poss\_central

mixed\_cochlear\_age\_otitis\_media,mixed\_poss\_noise\_om,

cochlear\_age,normal\_ear,cochlear\_poss\_noise,cochlear\_age\_and\_noise,

acoustic\_neuroma,mixed\_cochlear\_unk\_ser\_om,conductive\_discontinuity,

retrocochlear\_unknown,conductive\_fixation,bells\_palsy,

cochlear\_noise\_and\_heredity,mixed\_cochlear\_unk\_fixation,

otitis\_media,possible\_menieres,possible\_brainstem\_disorder,

cochlear\_age\_plus\_poss\_menieres,mixed\_cochlear\_age\_s\_om,

mixed\_cochlear\_unk\_discontinuity,mixed\_poss\_central\_om

8. Missing attributes: Yes

9. Class Distribution: (in the training set)

1. acoustic\_neuroma: 1

2. bells\_palsy: 1

3. cochlear\_age: 46

4. cochlear\_age\_and\_noise: 18

5. cochlear\_age\_plus\_poss\_menieres: 1

6. cochlear\_noise\_and\_heredity: 2

7. cochlear\_poss\_noise: 16

8. cochlear\_unknown: 48

9. conductive\_discontinuity: 2

10. conductive\_fixation: 6

11. mixed\_cochlear\_age\_fixation: 1

12. mixed\_cochlear\_age\_otitis\_media: 4

13. mixed\_cochlear\_age\_s\_om: 2

14. mixed\_cochlear\_unk\_discontinuity: 2

15. mixed\_cochlear\_unk\_fixation: 5

16. mixed\_cochlear\_unk\_ser\_om: 3

17. mixed\_poss\_central\_om: 1

18. mixed\_poss\_noise\_om: 2

19. normal\_ear: 20

20. otitis\_media: 4

21. poss\_central: 1

22. possible\_brainstem\_disorder: 4

23. possible\_menieres: 8

24. retrocochlear\_unknown: 2

Soybean Large

**Attribute Information:**

-- 19 Classes  
diaporthe-stem-canker, charcoal-rot, rhizoctonia-root-rot,  
phytophthora-rot, brown-stem-rot, powdery-mildew,  
downy-mildew, brown-spot, bacterial-blight,  
bacterial-pustule, purple-seed-stain, anthracnose,  
phyllosticta-leaf-spot, alternarialeaf-spot,  
frog-eye-leaf-spot, diaporthe-pod-&-stem-blight,  
cyst-nematode, 2-4-d-injury, herbicide-injury.  
  
1. date: april,may,june,july,august,september,october,?.  
2. plant-stand: normal,lt-normal,?.  
3. precip: lt-norm,norm,gt-norm,?.  
4. temp: lt-norm,norm,gt-norm,?.  
5. hail: yes,no,?.  
6. crop-hist: diff-lst-year,same-lst-yr,same-lst-two-yrs,  
same-lst-sev-yrs,?.  
7. area-damaged: scattered,low-areas,upper-areas,whole-field,?.  
8. severity: minor,pot-severe,severe,?.  
9. seed-tmt: none,fungicide,other,?.  
10. germination: 90-100%,80-89%,lt-80%,?.  
11. plant-growth: norm,abnorm,?.  
12. leaves: norm,abnorm.  
13. leafspots-halo: absent,yellow-halos,no-yellow-halos,?.  
14. leafspots-marg: w-s-marg,no-w-s-marg,dna,?.  
15. leafspot-size: lt-1/8,gt-1/8,dna,?.  
16. leaf-shread: absent,present,?.  
17. leaf-malf: absent,present,?.  
18. leaf-mild: absent,upper-surf,lower-surf,?.  
19. stem: norm,abnorm,?.  
20. lodging: yes,no,?.  
21. stem-cankers: absent,below-soil,above-soil,above-sec-nde,?.  
22. canker-lesion: dna,brown,dk-brown-blk,tan,?.  
23. fruiting-bodies: absent,present,?.  
24. external decay: absent,firm-and-dry,watery,?.  
25. mycelium: absent,present,?.  
26. int-discolor: none,brown,black,?.  
27. sclerotia: absent,present,?.  
28. fruit-pods: norm,diseased,few-present,dna,?.  
29. fruit spots: absent,colored,brown-w/blk-specks,distort,dna,?.  
30. seed: norm,abnorm,?.  
31. mold-growth: absent,present,?.  
32. seed-discolor: absent,present,?.  
33. seed-size: norm,lt-norm,?.  
34. shriveling: absent,present,?.  
35. roots: norm,rotted,galls-cysts,?.

Breast Cancer Wisconsin

**Attribute Information:**

1) ID number  
2) Diagnosis (M = malignant, B = benign)  
3-32)  
  
Ten real-valued features are computed for each cell nucleus:  
  
a) radius (mean of distances from center to points on the perimeter)  
b) texture (standard deviation of gray-scale values)  
c) perimeter  
d) area  
e) smoothness (local variation in radius lengths)  
f) compactness (perimeter^2 / area - 1.0)  
g) concavity (severity of concave portions of the contour)  
h) concave points (number of concave portions of the contour)  
i) symmetry  
j) fractal dimension ("coastline approximation" - 1)

Hayes Roth

**Attribute Information:**

-- 1. name: distinct for each instance and represented numerically  
-- 2. hobby: nominal values ranging between 1 and 3  
-- 3. age: nominal values ranging between 1 and 4  
-- 4. educational level: nominal values ranging between 1 and 4  
-- 5. marital status: nominal values ranging between 1 and 4  
-- 6. class: nominal value between 1 and 3

ISOLET

1. Number of Instances

isolet1+2+3+4.data.Z: 6238

isolet5.data.Z: 1559

1. Number of Attributes 617 plus 1 for the class

All attributes are continuous, real-valued attributes scaled into the

range -1.0 to 1.0.

3. For Each Attribute: (please give both acronym and full name if both exist)

The features are described in the paper by Cole and Fanty cited

above. The features include spectral coefficients; contour

features, sonorant features, pre-sonorant features, and

post-sonorant features. Exact order of appearance of the

features is not known.

4. Missing Attribute Values: none

5. Class Distribution:

Class isolet1+2+3+4: isolet5:

1 A 240 60

2 B 240 60

3 C 240 60

4 D 240 60

5 E 240 60

6 F 238 60

7 G 240 60

8 H 240 60

9 I 240 60

10 J 240 60

11 K 240 60

12 L 240 60

13 M 240 59

14 N 240 60

15 O 240 60

16 P 240 60

17 Q 240 60

18 R 240 60

19 S 240 60

20 T 240 60

21 U 240 60

22 V 240 60

23 W 240 60

24 X 240 60

25 Y 240 60

26 Z 240 60