**Data Set Information:**

This database contains 279 attributes, 206 of which are linear valued and the rest are nominal.

The names and id numbers of the patients were recently removed from the database.

**Attribute Information:**

-- Complete attribute documentation:

1 Age: Age in years , linear

2 Sex: Sex (0 = male; 1 = female) , nominal

3 Height: Height in centimeters , linear

4 Weight: Weight in kilograms , linear

5 QRS duration: Average of QRS duration in msec., linear

6 P-R interval: Average duration between onset of P and Q waves in msec., linear

7 Q-T interval: Average duration between onset of Q and offset of T waves in msec., linear

8 T interval: Average duration of T wave in msec., linear

9 P interval: Average duration of P wave in msec., linear

Vector angles in degrees on front plane of:, linear

10 QRS

11 T

12 P

13 QRST

14 J

15 Heart rate: Number of heart beats per minute ,linear

Of channel DI:

Average width, in msec., of: linear

16 Q wave

17 R wave

18 S wave

19 R' wave, small peak just after R

20 S' wave

21 Number of intrinsic deflections, linear

22 Existence of ragged R wave, nominal

23 Existence of diphasic derivation of R wave, nominal

24 Existence of ragged P wave, nominal

25 Existence of diphasic derivation of P wave, nominal

26 Existence of ragged T wave, nominal

27 Existence of diphasic derivation of T wave, nominal

Of channel DII:

28 .. 39 (similar to 16 .. 27 of channel DI)

Of channels DIII:

40 .. 51

Of channel AVR:

52 .. 63

Of channel AVL:

64 .. 75

Of channel AVF:

76 .. 87

Of channel V1:

88 .. 99

Of channel V2:

100 .. 111

Of channel V3:

112 .. 123

Of channel V4:

124 .. 135

Of channel V5:

136 .. 147

Of channel V6:

148 .. 159

Of channel DI:

Amplitude , \* 0.1 milivolt, of

160 JJ wave, linear

161 Q wave, linear

162 R wave, linear

163 S wave, linear

164 R' wave, linear

165 S' wave, linear

166 P wave, linear

167 T wave, linear

168 QRSA , Sum of areas of all segments divided by 10, ( Area= width \* height / 2 ), linear

169 QRSTA = QRSA + 0.5 \* width of T wave \* 0.1 \* height of T wave. (If T is diphasic then the bigger segment is considered), linear

Of channel DII:

170 .. 179

Of channel DIII:

180 .. 189

Of channel AVR:

190 .. 199

Of channel AVL:

200 .. 209

Of channel AVF:

210 .. 219

Of channel V1:

220 .. 229

Of channel V2:

230 .. 239

Of channel V3:

240 .. 249

Of channel V4:

250 .. 259

Of channel V5:

260 .. 269

Of channel V6:

270 .. 279