Description of the Dataset:

THIS CREDIT DATA ORIGINATES FROM QUINLAN (see below).

1. Title: Australian Credit Approval

2. Sources:
   (confidential)
   Submitted by quinlan@cs.su.oz.au

3. Past Usage:

   See Quinlan,
   * "Simplifying decision trees", Int J Man-Machine Studies 27,
     Dec 1987, pp. 221-234.
   * "C4.5: Programs for Machine Learning", Morgan Kaufmann, Oct 1992

4. Relevant Information:

   This file concerns credit card applications. All attribute names
   and values have been changed to meaningless symbols to protect
   confidentiality of the data.

   This dataset is interesting because there is a good mix of
   attributes -- continuous, nominal with small numbers of
   values, and nominal with larger numbers of values. There
   are also a few missing values.

5. Number of Instances: 690

6. Number of Attributes: 14 + class attribute

7. Attribute Information: THERE ARE 6 NUMERICAL AND 8 CATEGORICAL ATTRIBUTES.

   THE LABELS HAVE BEEN CHANGED FOR THE CONVENIENCE
   OF THE STATISTICAL ALGORITHMS. FOR EXAMPLE,
   ATTRIBUTE 4 ORIGINALLY HAD 3 LABELS p,g,gg AND
   THESE HAVE BEEN CHANGED TO LABELS 1,2,3.

   A1: 0,1 CATEGORICAL
   a,b
   A2: continuous.
   A3: continuous.
   A4: 1,2,3 CATEGORICAL
   p,g,gg
   A5: 1, 2,3,4,5, 6,7,8,9,10,11,12,13,14 CATEGORICAL

ff,d,i,k,j,aa,m,c,w, e, q, r,cc, x

A6: 1, 2,3, 4,5,6,7,8,9 CATEGORICAL
ff,dd,j,bb,v,n,o,h,z

A7: continuous.
A8: 1, 0 CATEGORICAL
t, f.
A9: 1, 0 CATEGORICAL
t, f.
A10: continuous.
A11: 1, 0 CATEGORICAL
t, f.
A12: 1, 2, 3 CATEGORICAL
s, g, p
A13: continuous.
A14: continuous.
A15: 1,2
+,- (class attribute)

8. Missing Attribute Values:
37 cases (5%) HAD one or more missing values. The missing values from particular attributes WERE:

A1: 12
A2: 12
A4: 6
A5: 6
A6: 9
A7: 9
A14: 13

THESE WERE REPLACED BY THE MODE OF THE ATTRIBUTE (CATEGORICAL)
MEAN OF THE ATTRIBUTE (CONTINUOUS)

9. Class Distribution

+: 307 (44.5%) CLASS 2
-: 383 (55.5%) CLASS 1

10. There is no cost matrix.